

Oracle® Lease Management

API Reference Guide

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Oracle Lease Management API Reference Guide, Release 11i

Part No. B10671-01

Oracle Corporation welcomes your comments and suggestions on the quality and usefulness of this document. Your input is an important part of the information used for revision.

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Preface

The main topics in this preface include:

- [Structure](#) on page xxx
- [Intended Audience](#) on page xxx
- [Documentation Accessibility](#) on page xxx
- [Related Documents](#) on page xxxi

Structure

Information about this document's structure follows.

- [Part I--Introduction to API Catalogs](#)--includes information about what each package includes, parameter specifications, and status messages.
- [Part II--Setup API Catalog](#)--includes public API information that corresponds to implementation-related setup for Oracle Lease Management.
- [Part III--Key Business Flow API Catalog](#)--includes public API information that corresponds to areas pertaining to business flows and accounting processes of Oracle Lease Management.
- [Part IV--Appendix](#)--includes information about all table and record type parameters.

Intended Audience

The intended audience for this manual is anyone who is interested in understanding or using (with minimal impact) the public APIs that Oracle Lease Management provides.

This audience includes:

- Oracle consultants
- Oracle internal development members
- Oracle support members
- Oracle customers

The information in this document is intended for experienced application programmers working in PL/SQL only.

This guide assumes that you have the following prerequisites:

- Backgrounds in programming and databases.
- Understanding of the company business processes.
- Knowledge of products and services as defined by your company.

Documentation Accessibility

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Related Documents

Related documentation includes:

- *Oracle Lease Management Implementation Guide*
- *Oracle Lease Management User's Guide*

Part I

Introduction to API Catalogs

Part 1 contains the following chapter concerning Oracle Lease Management APIs:

- [Chapter 1, "Introduction"](#)

Introduction

Topics in this chapter include:

- [Organization](#) on page 1-2
- [Setup Public API Catalog](#) on page 1-2
- [Key Business Flow Public API Catalog](#) on page 1-3
- [Data Structure Specifications](#) on page 1-3
- [Parameter Specifications](#) on page 1-3
- [Version Information](#) on page 1-6
- [Status Messages](#) on page 1-7

1.1 Organization

The Oracle Lease Management APIs appear in this document in following groups of public packages.

- [Setup API Catalog](#)
- [Key Business Flow API Catalog](#)

Within the appropriate package, the specifications for each API include:

- Code definition, including all of its parameters.
- API parameter definitions.
- Data structure definitions.

Note: The words **procedure** and **API** are interchangeable terms in this document.

Information about all table and record type parameters appear in [Appendix A, "API Data Structure Specifications"](#).

1.2 Setup Public API Catalog

The [Setup API Catalog](#) comprises:

- [Chapter 2, "Stream and Pricing APIs"](#)
- [Chapter 3, "Formula Engine APIs"](#)
- [Chapter 4, "Accounting Option APIs"](#)
- [Chapter 5, "Lease Accounting Template APIs"](#)
- [Chapter 6, "Account Generator APIs"](#)
- [Chapter 7, "Define Financial Product APIs"](#)
- [Chapter 8, "Invoice Group Parameter APIs"](#)
- [Chapter 9, "Interest Rate APIs"](#)
- [Chapter 10, "Late Charge APIs"](#)
- [Chapter 11, "Cash Search and Application Rule APIs"](#)
- [Chapter 12, "Customer Service APIs"](#)

- [Chapter 13, "Quote Line Allocation APIs"](#)
- [Chapter 14, "Remarketing Functionality APIs"](#)
- [Chapter 15, "Lease Income Accrual Rule APIs"](#)
- [Chapter 16, "Loss Provision Rule APIs"](#)
- [Chapter 17, "Off-Lease Asset Amortization Rule APIs"](#)
- [Chapter 18, "Insurance APIs"](#)
- [Chapter 19, "Sales Quoting APIs"](#)

1.3 Key Business Flow Public API Catalog

The [Key Business Flow API Catalog](#) comprises:

- [Chapter 20, "Inquiry to Resolution APIs"](#)
- [Chapter 21, "Contract Authoring APIs"](#)
- [Chapter 22, "Invoice to Receipt APIs"](#)
- [Chapter 23, "Quote to Termination APIs"](#)
- [Chapter 24, "Asset Return to Disposal APIs"](#)
- [Chapter 25, "Journalize Accounting Entry APIs"](#)
- [Chapter 26, "Accounting Period Open to Period Close APIs"](#)

1.4 Data Structure Specifications

The [API Data Structure Specifications](#) appendix comprises information about all table and record type parameters. For more information, see [Appendix A, "API Data Structure Specifications"](#).

1.5 Parameter Specifications

The Oracle CRM Application Foundation provides the specifications for the public APIs. These specifications define four categories of parameters:

- Standard IN
- Standard OUT
- Procedure-specific IN

- Procedure-specific OUT

The API Coding Standards of the Oracle Applications business object specify standard IN and OUT parameters. The following sections describe the standard IN and OUT parameters:

- [Standard IN Parameters](#) on page 1-4
- [Standard OUT Parameters](#) on page 1-5

For more information on procedure-specific IN and OUT parameters for a specific API, refer to that individual API.

1.5.1 Standard IN Parameters

The following table describes standard IN parameters, which are common to all public APIs that Oracle CRM Application Foundation provides.

Table 1–1 Standard IN Parameters

Parameter	Data Type	Required	Description
p_api_version	NUMBER	Yes	This must match the version number of the API. An unexpected error results if the calling program version number is not compatible with the current API version number (provided in the documentation).
p_init_msg_list	VARCHAR2	Yes	Default = FND_API.G_FALSE: ■ If set to true, then the API makes a call to <i>fnd_msg_pub.initialize</i> to initialize the message stack. ■ If set to false, then the calling program must initialize the message stack. This action is required to be performed only once, even in the case where more than one API is called.
p_commit	VARCHAR2(1)	No	Default = FND_API.G_FALSE: ■ If set to true, then the API commits before returning to the calling program. ■ If set to false, then the calling program must commit the transaction.

1.5.2 Standard OUT Parameters

The following table describes standard OUT parameters, which are common to all public APIs provided by Oracle CRM Application Foundation.

Note: All standard OUT parameters are required.

Table 1–2 Standard OUT Parameters

Parameter	Data Type	Description
x_return_status	VARCHAR2(1)	Indicates the return status of the API. The returned values are one of the following. ■ FND_API.G_RET_STS_SUCCESS Success: Indicates the API call was successful ■ FND_API.G_RET_STS_ERROR Expected Error: There is a validation error, or missing data error. ■ FND_API.G_RET_STS_UNEXP_ERROR Unexpected Error: The calling program cannot correct the error.
x_msg_count	NUMBER	Holds the number of messages in the message list.
x_msg_data	VARCHAR2(2000)	Holds the encoded message if <i>x_msg_count</i> is equal to one.

1.5.3 Parameter Size

Verify the size of the column from the base table for that column when passing a parameter of a specific length. For example, if you pass a NUMBER value, first query to find the exact value to pass. An incorrect value can cause the API call to fail.

1.5.4 Missing Parameter Attributes

The following table describes optional IN parameters that are initialized to defined values representing missing constants. Definitions for these constants are for the common PL/SQL data types. You should use these in the initialization of the API formal parameters.

Table 1–3 Initialized IN Parameters

Parameter	Type	Initialized Value
G_MISS_NUM	CONSTANT	NUMBER:= 9.99E125
G_MISS_CHAR	CONSTANT	VARCHAR2(1):= chr(0)
G_MISS_DATE	CONSTANT	DATE:= TO_DATE('1','j');

The definitions of these constants are in the package FND_API in the file fndpapis.pls. Definitions for these constants are in the package FND_API in the file fndpapis.pls.

The settings for all columns in a record definition are the G_MISS_X constant, according to the data type definition.

1.5.5 Parameter Validations

Validation of the following types of parameters always occur during the API call:

- Standard IN
- Standard OUT
- Mandatory procedure specific IN
- Procedure specific OUT

1.5.6 Invalid Parameters

If the API encounters any invalid parameters during the API call, then one of the following actions occur:

- Occurrence of an exception.
- Generation of an error message that identifies the invalid parameter.
- Cancellation of all API actions.

1.6 Version Information

It is mandatory that every API call passes a version number for that API as its first parameter (*p_api_version*).

This version number must match the internal version number of that API. An unexpected error results if the calling program version number is not compatible with the current API version number.

Warning: The currently supported version at this time is 1.0. Use only this for the API version number.

In addition, the object version number **must** be input for all update and delete APIs.

- If the *object_version_number* that the API passes matches that of the object in the database, then the update is completed.
- If the *object_version_number* that the API passes does not match that of the object in the database, then an error condition occurs.

1.7 Status Messages

Note: It is not a requirement that all status notifications provide a number identifier along with the message, although, in many cases, it is provided.

Every API must return one of the following states as parameter *x_return_status* after the API is called:

- S (Success)
- E (Error)
- U (Unexpected error)

Each state can be associated with a status message. The following table describes each state.

Table 1–4 Status Message and Description

Status	Description
S	Indicates that the API performed all the operations that its caller requested. - Messages in the API message list might or might not accompany a success return status. - Currently, the CRM Foundation APIs do not provide a message for a return status of success.
E	Indicates that the API failed to perform one or more of the operations that its caller requested. One or more messages describing the error accompanies an error return status.
U	Indicates that the API encountered an error condition it did not expect, or could not handle, and that it is unable to continue with its regular processing. - For example, certain programming errors, such as attempting to a division by zero, cause this error. - The user usually cannot correct these types of errors. These types of errors require a system administrator or application developer to correct.

Warning and Information Messages

In addition to the preceding three types of possible status messages, you can also code the following additional message types:

- Warnings
- Information

Create a Warning Message

To create a warning message:

1. Create a global variable that you want to use to signal a warning condition.

For example, this could be similar to:

```
G_RET_STS_WARNING := 'W'
```

This global variable is not part of the FND_API package.

2. Return this value if the warning condition happens.

For example, using the same example as in the first step, set up the following code in the API to process the warning condition:

```
x_return_status := G_RET_STS_WARNING
```

This code replaces the more usual:

```
x_return_status := fnd_api.g_ret_sts_unexp_error for "U"
```

You can perform a similar procedure to create Information messages.

Part II

Setup API Catalog

The Oracle Lease Management Setup API Catalog contains the following chapters:

- [Chapter 2, "Stream and Pricing APIs"](#)
- [Chapter 3, "Formula Engine APIs"](#)
- [Chapter 4, "Accounting Option APIs"](#)
- [Chapter 5, "Lease Accounting Template APIs"](#)
- [Chapter 6, "Account Generator APIs"](#)
- [Chapter 7, "Define Financial Product APIs"](#)
- [Chapter 8, "Invoice Group Parameter APIs"](#)
- [Chapter 9, "Interest Rate APIs"](#)
- [Chapter 10, "Late Charge APIs"](#)
- [Chapter 11, "Cash Search and Application Rule APIs"](#)
- [Chapter 12, "Customer Service APIs"](#)
- [Chapter 13, "Quote Line Allocation APIs"](#)
- [Chapter 14, "Remarketing Functionality APIs"](#)
- [Chapter 15, "Lease Income Accrual Rule APIs"](#)
- [Chapter 16, "Loss Provision Rule APIs"](#)
- [Chapter 17, "Off-Lease Asset Amortization Rule APIs"](#)
- [Chapter 18, "Insurance APIs"](#)
- [Chapter 19, "Sales Quoting APIs"](#)

For information about all table and record type parameters, see [Appendix A, "API Data Structure Specifications"](#).

Stream and Pricing APIs

The following are public packages of Stream and Pricing APIs in Oracle Lease Management:

- [Package OKL_SETUP_PRD_PRCTEMPL_PUB](#) on page 2-2
- [Package OKL_SETUP_PRICEPARMS_PUB](#) on page 2-9
- [Package OKL_SETUP_STREAMTYPES_PUB](#) on page 2-15
- [Package OKL_SETUP_STRMS_TRANS_PUB](#) on page 2-20
- [Package OKL_SETUP_TRXPARMS_PUB](#) on page 2-24

For information about all table and record type parameters, see [Appendix A, "API Data Structure Specifications"](#).

2.1 Package OKL_SETUP_PRD_PRCTEMPL_PUB

This package contains the following procedures:

- [CHECK_PRODUCT_CONSTRAINTS \(Overloaded\)](#) on page 2-2
- [INSERT_PRD_PRICE_TMPLS \(Overloaded\)](#) on page 2-4
- [UPDATE_PRD_PRICE_TMPLS \(Overloaded\)](#) on page 2-7

2.1.1 CHECK_PRODUCT_CONSTRAINTS (Overloaded)

This overloaded procedure includes:

- [CHECK_PRODUCT_CONSTRAINTS](#) on page 2-2
- [CHECK_PRODUCT_CONSTRAINTS](#) on page 2-3

CHECK_PRODUCT_CONSTRAINTS

Procedure Specification

```
Program Unit CHECK_PRODUCT_CONSTRAINTS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_pdtv_rec              IN      OKL_PDT_PVT.PDTV_REC_TYPE,
    x_validated             OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 2–1 CHECK_PRODUCT_CONSTRAINTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 2-1 CHECK_PRODUCT_CONSTRAINTS IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_pdtv_rec	OKL_PDT_PVT.PDTV_REC_TYPE	Yes	Record type of OKL_PRODUCTS_V

OUT Parameters

Table 2-2 CHECK_PRODUCT_CONSTRAINTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_validated	VARCHAR2	Yes	Result of product constraint validation. Value is T if validation successful else value is F.

CHECK_PRODUCT_CONSTRAINTS

Procedure Specification

```
Program Unit CHECK_PRODUCT_CONSTRAINTS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_pdtv_tbl            IN      OKL_PDT_PVT.PDTV_TBL_TYPE,
  x_validated            OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 2–3 CHECK_PRODUCT_CONSTRAINTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_pdtv_tbl	OKL_PDT_PVT.PDTV_TBL_TYPE	Yes	Table type of OKL_PRODUCTS_V records.

OUT Parameters

Table 2–4 CHECK_PRODUCT_CONSTRAINTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_validated	VARCHAR2	Yes	Result of product constraint validation. Value is T if validation successful else value is F .

2.1.2 INSERT_PRD_PRICE_TMPLS (Overloaded)

This overloaded procedure includes:

- [INSERT_PRD_PRICE_TMPLS](#) on page 2-5
- [INSERT_PRD_PRICE_TMPLS](#) on page 2-6

INSERT_PRD_PRICE_TMPLS

Procedure Specification

Program Unit INSERT_PRD_PRICE_TMPLS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_pitv_rec             IN      OKL_PIT_PVT.PITV_REC_TYPE,
  x_pitv_rec             OUT     OKL_PIT_PVT.PITV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 2-5 INSERT_PRD_PRICE_TMPLS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_pitv_rec	OKL_PIT_PVT.PITV_REC_TYPE	Yes	Record type of OKL_PRD_PRICE_TMPLS_V.

OUT Parameters

Table 2-6 INSERT_PRD_PRICE_TMPLS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 2–6 INSERT_PRD_PRICE_TMPLS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_pitv_rec	OKL_PIT_PVT.PITV_REC_TYPE	Yes	Record type of OKL_PRD_PRICE_TMPLS_V.

INSERT_PRD_PRICE_TMPLS

Procedure Specification

```
Program Unit INSERT_PRD_PRICE_TMPLS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_pitv_tbl             IN      OKL_PIT_PVT.PITV_TBL_TYPE,
    x_pitv_tbl             OUT     OKL_PIT_PVT.PITV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 2–7 INSERT_PRD_PRICE_TMPLS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_pitv_tbl	OKL_PIT_PVT.PITV_TBL_TYPE	Yes	Table type of OKL_PRD_PRICE_TMPLS_V records.

OUT Parameters

Table 2–8 INSERT_PRD_PRICE_TMPLS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_pitv_tbl	OKL_PIT_PVT.PITV_TBL_TYPE	Yes	Table type of OKL_PRD_PRICE_TMPLS_V records.

2.1.3 UPDATE_PRD_PRICE_TMPLS (Overloaded)

This overloaded procedure includes:

- [UPDATE_PRD_PRICE_TMPLS](#) on page 2-7
- [UPDATE_PRD_PRICE_TMPLS](#) on page 2-8

UPDATE_PRD_PRICE_TMPLS

Procedure Specification

```
Program Unit UPDATE_PRD_PRICE_TMPLS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_pitv_rec              IN      OKL_PIT_PVT.PITV_REC_TYPE,
  x_pitv_rec              OUT     OKL_PIT_PVT.PITV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 2–9 UPDATE_PRD_PRICE_TMPLS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_pitv_rec	OKL_PIT_PVT.PITV_REC_TYPE	Yes	Record type of OKL_PRD_PRICE_TMPLS_V.

OUT Parameters

Table 2–10 UPDATE_PRD_PRICE_TMPLS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_pitv_rec	OKL_PIT_PVT.PITV_REC_TYPE	Yes	Record type of OKL_PRD_PRICE_TMPLS_V.

UPDATE_PRD_PRICE_TMPLS

Procedure Specification

```
Program Unit UPDATE_PRD_PRICE_TMPLS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_pitv_tbl             IN      OKL_PIT_PVT.PITV_TBL_TYPE,
  x_pitv_tbl             OUT     OKL_PIT_PVT.PITV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters**Table 2–11 UPDATE_PRD_PRICE_TMPLS IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_pitv_tbl	OKL_PIT_PVT.PITV_TBL_TYPE	Yes	Table type of OKL_PRD_PRICE_TMPLS_V records.

OUT Parameters**Table 2–12 UPDATE_PRD_PRICE_TMPLS OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_pitv_tbl	OKL_PIT_PVT.PITV_TBL_TYPE	Yes	Table type of OKL_PRD_PRICE_TMPLS_V records.

2.2 Package OKL_SETUP_PRICEPARMS_PUB

This package contains the following procedures:

- [CREATE_PRICE_PARM \(Overloaded\)](#) on page 2-9
- [UPDATE_PRICE_PARM \(Overloaded\)](#) on page 2-12

2.2.1 CREATE_PRICE_PARM (Overloaded)

This overloaded procedure includes:

- [CREATE_PRICE_PARM](#) on page 2-10
- [CREATE_PRICE_PARM](#) on page 2-11

CREATE_PRICE_PARM

Procedure Specification

Program Unit CREATE_PRICE_PARM

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  p_sppv_rec              IN      OKL_SPP_PVT.SPPV_REC_TYPE,
  x_sppv_rec              OUT     OKL_SPP_PVT.SPPV_REC_TYPE,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 2–13 CREATE_PRICE_PARM IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_sppv_rec	OKL_SPP_PVT.SPPV_REC_TYPE	Yes	Record type of OKL_SIF_PRICE_PARMS_V.

OUT Parameters

Table 2–14 CREATE_PRICE_PARM OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_sppv_rec	OKL_SPP_PVT.SPPV_REC_TYPE	Yes	Record type of OKL_SIF_PRICE_PARMS_V.
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

CREATE_PRICE_PARM

Procedure Specification

Program Unit CREATE_PRICE_PARM

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  p_sppv_tbl              IN      OKL_SPP_PVT.SPPV_TBL_TYPE,
  x_sppv_tbl              OUT     OKL_SPP_PVT.SPPV_TBL_TYPE,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 2–15 CREATE_PRICE_PARM IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 2–15 CREATE_PRICE_PARM IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_sppv_tbl	OKL_SPP_PVT.SPPV_TBL_TYPE	Yes	Table type of OKL_SIF_PRICE_PARMS_V records.

OUT Parameters

Table 2–16 CREATE_PRICE_PARM OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_sppv_tbl	OKL_SPP_PVT.SPPV_TBL_TYPE	Yes	Table type of OKL_SIF_PRICE_PARMS_V records.
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

2.2.2 UPDATE_PRICE_PARM (Overloaded)

This overloaded procedure includes:

- [UPDATE_PRICE_PARM](#) on page 2-12
- [UPDATE_PRICE_PARM](#) on page 2-13

UPDATE_PRICE_PARM

Procedure Specification

Program Unit UPDATE_PRICE_PARM

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  p_sppv_rec             IN      OKL_SPP_PVT.SPPV_REC_TYPE,
  x_sppv_rec             OUT     OKL_SPP_PVT.SPPV_REC_TYPE,
  x_return_status        OUT     VARCHAR2,
```

```
x_msg_count          OUT      NUMBER,  
x_msg_data           OUT      VARCHAR2  
);
```

Current Version

1.0

IN Parameters

Table 2–17 UPDATE_PRICE_PARM IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_sppv_rec	OKL_SPP_PVT.SPPV_REC_TYPE	Yes	Record type of OKL_SIF_PRICE_PARMS_V records.

OUT Parameters

Table 2–18 UPDATE_PRICE_PARM OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_sppv_rec	OKL_SPP_PVT.SPPV_REC_TYPE	Yes	Record type of OKL_SIF_PRICE_PARMS_V records.
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

UPDATE_PRICE_PARM

Procedure Specification

Program Unit UPDATE_PRICE_PARM

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  p_sppv_tbl              IN      OKL_SPP_PVT.SPPV_TBL_TYPE,
  x_sppv_tbl              OUT     OKL_SPP_PVT.SPPV_TBL_TYPE,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 2–19 UPDATE_PRICE_PARM IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_sppv_tbl	OKL_SPP_PVT.SPPV_TBL_TYPE	Yes	Table type of OKL_SIF_PRICE_PARMS_V records.

OUT Parameters

Table 2–20 UPDATE_PRICE_PARM OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_sppv_tbl	OKL_SPP_PVT.SPPV_TBL_TYPE	Yes	Table type of OKL_SIF_PRICE_PARMS_V records.
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

2.3 Package OKL_SETUP_STREAMTYPES_PUB

This package includes:

- [CREATE_STREAM_TYPE \(Overloaded\)](#) on page 2-15
- [UPDATE_STREAM_TYPE \(Overloaded\)](#) on page 2-17

2.3.1 CREATE_STREAM_TYPE (Overloaded)

This overloaded procedure includes:

- [CREATE_STREAM_TYPE](#) on page 2-15
- [CREATE_STREAM_TYPE](#) on page 2-16

CREATE_STREAM_TYPE

Procedure Specification

```
Program Unit CREATE_STREAM_TYPE
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_styv_rec              IN      OKL_STY_PVT.STYV_REC_TYPE,
  x_styv_rec              OUT     OKL_STY_PVT.STYV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 2–21 CREATE_STREAM_TYPE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 2–21 CREATE_STREAM_TYPE IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_styv_rec	OKL_STY_PVT.STYV_REC_TYPE	Yes	Record type of OKL_STRM_TYPE_V.

OUT Parameters

Table 2–22 CREATE_STREAM_TYPE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_styv_rec	OKL_STY_PVT.STYV_REC_TYPE	Yes	Record type of OKL_STRM_TYPE_V.

CREATE_STREAM_TYPE

Procedure Specification

```
Program Unit CREATE_STREAM_TYPE
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_styv_tbl              IN      OKL_STY_PVT.STYV_TBL_TYPE,
  x_styv_tbl              OUT     OKL_STY_PVT.STYV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 2–23 CREATE_STREAM_TYPE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_styv_tbl	OKL_STY_ PVT.STYV_TBL_ TYPE	Yes	Table type of OKL_STRM_ TYPE_V records.

OUT Parameters

Table 2–24 CREATE_STREAM_TYPE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_styv_tbl	OKL_STY_ PVT.STYV_TBL_ TYPE	Yes	Table type of OKL_STRM_ TYPE_V records.

2.3.2 UPDATE_STREAM_TYPE (Overloaded)

This overloaded procedure includes:

- [UPDATE_STREAM_TYPE](#) on page 2-18
- [UPDATE_STREAM_TYPE](#) on page 2-19

UPDATE_STREAM_TYPE

Procedure Specification

```
Program Unit UPDATE_STREAM_TYPE
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_styv_rec             IN      OKL_STY_PVT.STYV_REC_TYPE,
    x_styv_rec             OUT     OKL_STY_PVT.STYV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 2–25 UPDATE_STREAM_TYPE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_styv_rec	OKL_STY_PVT.STYV_REC_TYPE	Yes	Record type of OKL_STRM_TYPE_V records.

OUT Parameters

Table 2–26 UPDATE_STREAM_TYPE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 2–26 UPDATE_STREAM_TYPE OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_styv_rec	OKL_STY_PVT.STYV_REC_TYPE	Yes	Record type of OKL_STRM_TYPE_V records.

UPDATE_STREAM_TYPE

Procedure Specification

Program Unit UPDATE_STREAM_TYPE

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_styv_tbl             IN      OKL_STY_PVT.STYV_TBL_TYPE,
  x_styv_tbl             OUT     OKL_STY_PVT.STYV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 2–27 UPDATE_STREAM_TYPE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_styv_tbl	OKL_STY_PVT.STYV_TBL_TYPE	Yes	Table type of OKL_STRM_TYPE_V records.

OUT Parameters

Table 2–28 UPDATE_STREAM_TYPE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_styv_tbl	OKL_STY_PVT.STYV_TBL_TYPE	Yes	Table type of OKL_STRM_TYPE_V records.

2.4 Package OKL_SETUP_STRMS_TRANS_PUB

This package contains the following procedures:

- [DELETE_TRANSLATIONS](#) on page 2-20
- [INSERT_TRANSLATIONS](#) on page 2-21
- [UPDATE_TRANSLATIONS](#) on page 2-22

2.4.1 DELETE_TRANSLATIONS

Procedure Specification

```
Program Unit DELETE_TRANSLATIONS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    p_sgnv_tbl              IN      OKL_SGT_PVT.SGNV_TBL_TYPE,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 2–29 DELETE_TRANSLATIONS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_sgnv_tbl	OKL_SGT_PVT.SGNV_TBL_TYPE	Yes	Table type of OKL_SGN_TRANSLATIONS_V records.

OUT Parameters

Table 2–30 DELETE_TRANSLATIONS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

2.4.2 INSERT_TRANSLATIONS

Procedure Specification

Program Unit INSERT_TRANSLATIONS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  p_sgnv_tbl             IN      OKL_SGT_PVT.SGNV_TBL_TYPE,
  x_sgnv_tbl            OUT     OKL_SGT_PVT.SGNV_TBL_TYPE,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data            OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 2–31 INSERT_TRANSLATIONS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_sgnv_tbl	OKL_SGT_PVT.SGNV_TBL_TYPE	Yes	Table type of OKL_SGN_TRANSLATIONS_V records.

OUT Parameters

Table 2–32 INSERT_TRANSLATIONS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_sgnv_tbl	OKL_SGT_PVT.SGNV_TBL_TYPE	Yes	Table type of OKL_SGN_TRANSLATIONS_V records.
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

2.4.3 UPDATE_TRANSLATIONS

Procedure Specification

```
Program Unit UPDATE_TRANSLATIONS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  p_sgnv_tbl             IN      OKL_SGT_PVT.SGNV_TBL_TYPE,
  x_sgnv_tbl             OUT     OKL_SGT_PVT.SGNV_TBL_TYPE,
```

```

x_return_status      OUT      VARCHAR2,
x_msg_count          OUT      NUMBER,
x_msg_data           OUT      VARCHAR2
);

```

Current Version

1.0

IN Parameters

Table 2–33 UPDATE_TRANSLATIONS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_sgnv_tbl	OKL_SGT_PVT.SGNV_TBL_TYPE	Yes	Table type of OKL_SGN_TRANSLATIONS_V records.

OUT Parameters

Table 2–34 UPDATE_TRANSLATIONS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_sgnv_tbl	OKL_SGT_PVT.SGNV_TBL_TYPE	Yes	Table type of OKL_SGN_TRANSLATIONS_V records.
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

2.5 Package OKL_SETUP_TRXPARMS_PUB

This package contains the following procedures:

- [CREATE_TRX_ASSET_PARM \(Overloaded\)](#) on page 2-24
- [CREATE_TRX_PARM \(Overloaded\)](#) on page 2-26
- [DELETE_TRX_PARM \(Overloaded\)](#) on page 2-29
- [UPDATE_TRX_ASSET_PARM \(Overloaded\)](#) on page 2-31
- [UPDATE_TRX_PARM \(Overloaded\)](#) on page 2-34

2.5.1 CREATE_TRX_ASSET_PARM (Overloaded)

This overloaded procedure includes:

- [CREATE_TRX_ASSET_PARM](#) on page 2-24
- [CREATE_TRX_ASSET_PARM](#) on page 2-25

CREATE_TRX_ASSET_PARM

Procedure Specification

```
Program Unit CREATE_TRX_ASSET_PARM
(
    p_api_version           IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_sxpvt_rec            IN      OKL_SXP_PVT.SXPV_REC_TYPE,
    x_sxpvt_rec            OUT     OKL_SXP_PVT.SXPV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 2–35 CREATE_TRX_ASSET_PARM IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_sxp_v_rec	OKL_SXP_PVT.SXPV_REC_TYPE	Yes	Record type of OKL_SIF_TRX_PARMS_V.

OUT Parameters

Table 2–36 CREATE_TRX_ASSET_PARM OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_sxp_v_rec	OKL_SXP_PVT.SXPV_REC_TYPE	Yes	Record type of OKL_SIF_TRX_PARMS_V.

CREATE_TRX_ASSET_PARM

Procedure Specification

Program Unit CREATE_TRX_ASSET_PARM

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_sxp_v_tbl            IN      OKL_SXP_PVT.SXPV_TBL_TYPE,
  x_sxp_v_tbl            OUT     OKL_SXP_PVT.SXPV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters**Table 2–37 CREATE_TRX_ASSET_PARM IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_sxpvtbl	OKL_SXP_PVT.SXPV_TBL_TYPE	Yes	Table type of OKL_SIF_TRX_PARMV records.

OUT Parameters**Table 2–38 CREATE_TRX_ASSET_PARM OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_sxpvtbl	OKL_SXP_PVT.SXPV_TBL_TYPE	Yes	Table type of OKL_SIF_TRX_PARMV records.

2.5.2 CREATE_TRX_PARM (Overloaded)

This overloaded procedure includes:

- [CREATE_TRX_PARM](#) on page 2-27
- [CREATE_TRX_PARM](#) on page 2-28

CREATE_TRX_PARM

Procedure Specification

```

Program Unit CREATE_TRX_PARM
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_sxpvt_rec            IN      OKL_SXP_PVT.SXPV_REC_TYPE,
  x_sxpvt_rec            OUT     OKL_SXP_PVT.SXPV_REC_TYPE
);

```

Current Version

1.0

IN Parameters

Table 2–39 CREATE_TRX_PARM IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_sxpvt_rec	OKL_SXP_PVT.SXPV_REC_TYPE	Yes	Record type of OKL_SIF_TRX_PARMS_V records.

OUT Parameters

Table 2–40 CREATE_TRX_PARM OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 2–40 CREATE_TRX_PARM OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_sxp_v_rec	OKL_SXP_PVT.SXPV_REC_TYPE	Yes	Record type of OKL_SIF_TRX_PARMS_V records.

CREATE_TRX_PARM

Procedure Specification

```
Program Unit CREATE_TRX_PARM
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_sxp_v_tbl            IN      OKL_SXP_PVT.SXPV_TBL_TYPE,
  x_sxp_v_tbl            OUT     OKL_SXP_PVT.SXPV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 2–41 CREATE_TRX_PARM IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_sxp_v_tbl	OKL_SXP_PVT.SXPV_TBL_TYPE	Yes	Table type of OKL_SIF_TRX_PARMS_V records.

OUT Parameters

Table 2–42 CREATE_TRX_PARM OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_sxpvtbl	OKL_SXP_PVT.SXPV_TBL_TYPE	Yes	Table type of OKL_SIF_TRX_PARAMS_V records.

2.5.3 DELETE_TRX_PARM (Overloaded)

This overloaded procedure includes:

- [DELETE_TRX_PARM](#) on page 2-29
- [DELETE_TRX_PARM](#) on page 2-30

DELETE_TRX_PARM

Procedure Specification

```
Program Unit DELETE_TRX_PARM
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_sxpvt_rec            IN      OKL_SXP_PVT.SXPV_REC_TYPE,
  x_sxpvt_rec            OUT     OKL_SXP_PVT.SXPV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 2–43 DELETE_TRX_PARM IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_sxp_v_rec	OKL_SXP_PVT.SXPV_REC_TYPE	Yes	Record type of OKL_SIF_TRX_PARMS_V.

OUT Parameters

Table 2–44 DELETE_TRX_PARM OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_sxp_v_rec	OKL_SXP_PVT.SXPV_REC_TYPE	Yes	Record type of OKL_SIF_TRX_PARMS_V.

DELETE_TRX_PARM

Procedure Specification

```
Program Unit DELETE_TRX_PARM
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_sxp_v_tbl            IN      OKL_SXP_PVT.SXPV_TBL_TYPE,
  x_sxp_v_tbl            OUT     OKL_SXP_PVT.SXPV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters**Table 2–45 DELETE_TRX_PARM IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_sxpv_tbl	OKL_SXP_PVT.SXPV_TBL_TYPE	Yes	Table type of OKL_SIF_TRX_PARMS_V records.

OUT Parameters**Table 2–46 DELETE_TRX_PARM OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_sxpv_tbl	OKL_SXP_PVT.SXPV_TBL_TYPE	Yes	Table type of OKL_SIF_TRX_PARMS_V records.

2.5.4 UPDATE_TRX_ASSET_PARM (Overloaded)

This overloaded procedure includes:

- [UPDATE_TRX_ASSET_PARM](#) on page 2-32
- [UPDATE_TRX_ASSET_PARM](#) on page 2-33

UPDATE_TRX_ASSET_PARM

Procedure Specification

```
Program Unit UPDATE_TRX_ASSET_PARM
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_sxpv_rec              IN      OKL_SXP_PVT.SXPV_REC_TYPE,
    x_sxpv_rec              OUT     OKL_SXP_PVT.SXPV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 2–47 UPDATE_TRX_ASSET_PARM IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_sxpv_rec	OKL_SXP_PVT.SXPV_REC_TYPE	Yes	Record type of OKL_SIF_TRX_PARMS_V.

OUT Parameters

Table 2–48 UPDATE_TRX_ASSET_PARM OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 2–48 UPDATE_TRX_ASSET_PARM OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_sxpvt_rec	OKL_SXP_PVT.SXPV_REC_TYPE	Yes	Record type of OKL_SIF_TRX_PARMS_V.

UPDATE_TRX_ASSET_PARM

Procedure Specification

Program Unit UPDATE_TRX_ASSET_PARM

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_sxpvt_tbl            IN      OKL_SXP_PVT.SXPV_TBL_TYPE,
  x_sxpvt_tbl            OUT     OKL_SXP_PVT.SXPV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 2–49 UPDATE_TRX_ASSET_PARM IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_sxpvt_tbl	OKL_SXP_PVT.SXPV_TBL_TYPE	Yes	Table type of OKL_SIF_TRX_PARMS_V.

OUT Parameters

Table 2–50 UPDATE_TRX_ASSET_PARM OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_sxpvtbl	OKL_SXP_PVT.SXPV_TBL_TYPE	Yes	Table type of OKL_SIF_TRX_PARAMS_V.

2.5.5 UPDATE_TRX_PARM (Overloaded)

This overloaded procedure includes:

- [UPDATE_TRX_PARM](#) on page 2-34
- [UPDATE_TRX_PARM](#) on page 2-35

UPDATE_TRX_PARM

Procedure Specification

```
Program Unit UPDATE_TRX_PARM
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_sxpvt_rec             IN      OKL_SXP_PVT.SXPV_REC_TYPE,
  x_sxpvt_rec             OUT     OKL_SXP_PVT.SXPV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 2–51 UPDATE_TRX_PARM IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_sxpv_rec	OKL_SXP_PVT.SXPV_REC_TYPE	Yes	Record type of OKL_SIF_TRX_PARMS_V.

OUT Parameters

Table 2–52 UPDATE_TRX_PARM OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_sxpv_rec	OKL_SXP_PVT.SXPV_REC_TYPE	Yes	Record type of OKL_SIF_TRX_PARMS_V.

UPDATE_TRX_PARM

Procedure Specification

Program Unit UPDATE_TRX_PARM

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_sxpv_tbl             IN      OKL_SXP_PVT.SXPV_TBL_TYPE,
  x_sxpv_tbl             OUT     OKL_SXP_PVT.SXPV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 2–53 UPDATE_TRX_PARM IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_sxpvtbl	OKL_SXP_PVT.SXPV_TBL_TYPE	Yes	Table type of OKL_SIF_TRX_PARM_V records.

OUT Parameters

Table 2–54 UPDATE_TRX_PARM OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_sxpvtbl	OKL_SXP_PVT.SXPV_TBL_TYPE	Yes	Table type of OKL_SIF_TRX_PARM_V records.

Formula Engine APIs

The following are public packages of Formula Engine APIs in Oracle Lease Management:

- [Package OKL_EXECUTE_FORMULA_PUB](#) on page 3-2
- [Package OKL_SETUPCONTEXTGROUPS_PUB](#) on page 3-5
- [Package OKL_SETUPFMACONSTRAINTS_PUB](#) on page 3-9
- [Package OKL_SETUPFORMULAE_PUB](#) on page 3-14
- [Package OKL_SETUPFUNCTIONS_PUB](#) on page 3-17
- [Package OKL_SETUPOPERANDS_PUB](#) on page 3-21

For information about all table and record type parameters, see [Appendix A, "API Data Structure Specifications"](#).

3.1 Package OKL_EXECUTE_FORMULA_PUB

This package contains the following procedure:

- [EXECUTE \(Overloaded\)](#) on page 3-2

3.1.1 EXECUTE (Overloaded)

This overloaded procedure includes:

- [EXECUTE](#) on page 3-2
- [EXECUTE](#) on page 3-3

EXECUTE

Procedure Specification

```
Program Unit EXECUTE
(
    p_api_version           IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_formula_name         IN      VARCHAR2,
    p_contract_id          IN      NUMBER,
    p_line_id              IN      NUMBER,
    p_additional_parameters IN      OKL_EXECUTE_FORMULA_PVT.CTXT_VAL_TBL_
TYPE,
    x_value                OUT     NUMBER
);
```

Current Version

1.0

IN Parameters

Table 3–1 EXECUTE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 3–1 EXECUTE IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_formula_name	VARCHAR2	Yes	Formula Name.
p_contract_id	NUMBER	Yes	Contract ID.
p_line_id	NUMBER	Yes	Contract line ID.
p_additional_parameters	OKL_EXECUTE_FORMULA_PVT.CTXT_VAL_TBL_TYPE	Yes	Addition parameters.

OUT Parameters

Table 3–2 EXECUTE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_value	NUMBER	Yes	Returns a scalar value on formula Evaluation.

EXECUTE

Procedure Specification

Program Unit EXECUTE

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_formula_name         IN      VARCHAR2,
  p_contract_id          IN      NUMBER,
```

```

    p_line_id                IN      NUMBER,
    p_additional_parameters   IN      OKL_EXECUTE_FORMULA_PVT.CTXT_VAL_TBL_
TYPE,
    x_operand_val_tbl        OUT     OKL_EXECUTE_FORMULA_PVT.OPERAND_VAL_
TBL_TYPE,
    x_value                  OUT     NUMBER
);
```

Current Version

1.0

IN Parameters

Table 3–3 EXECUTE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_formula_name	VARCHAR2	Yes	Formula name.
p_contract_id	NUMBER	Yes	Contract ID.
p_line_id	NUMBER	Yes	Contract line ID.
p_additional_parameters	OKL_EXECUTE_FORMULA_PVT.CTXT_VAL_TBL_TYPE	Yes	Addition parameters.

OUT Parameters

Table 3–4 EXECUTE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Table 3–4 EXECUTE OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_operand_val_tbl	OKL_EXECUTE_ FORMULA_ PVT.OPERAND_ VAL_TBL_TYPE	Yes	This table gives details of list of Individual Operands.
x_value	NUMBER	Yes	Returns a scalar value on formula Evaluation.

3.2 Package OKL_SETUPCONTEXTGROUPS_PUB

This package contains the following procedures:

- [GET_REC](#) on page 3-5
- [INSERT_CONTEXTGROUPS](#) on page 3-6
- [UPDATE_CONTEXTGROUPS](#) on page 3-7

3.2.1 GET_REC

Procedure Specification

Program Unit GET_REC

```
(
  p_cgrv_rec          IN      OKL_CGR_PVT.CGRV_REC_TYPE,
  x_return_status     OUT     VARCHAR2,
  x_msg_data          OUT     VARCHAR2,
  x_no_data_found     OUT     PL/SQL BOOLEAN,
  x_cgrv_rec          OUT     OKL_CGR_PVT.CGRV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 3–5 GET_REC IN Parameters

Parameter	Data Type	Required	Description and Validation
p_cgrv_rec	OKL_CGR_PVT.CGRV_REC_TYPE	Yes	Record type for view OKL_CONTEXT_GROUPS_V.

OUT Parameters

Table 3–6 GET_REC OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_no_data_found	PL/SQL BOOLEAN	Yes	Flag to check for data; returns false if data exists; the converse also applies.
x_cgrv_rec	OKL_CGR_PVT.CGRV_REC_TYPE	Yes	Record type for view OKL_CONTEXT_GROUPS_V.

3.2.2 INSERT_CONTEXTGROUPS

Procedure Specification

```
Program Unit INSERT_CONTEXTGROUPS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_cgrv_rec              IN      OKL_CGR_PVT.CGRV_REC_TYPE,
  x_cgrv_rec              OUT     OKL_CGR_PVT.CGRV_REC_TYPE
);
```


Current Version

1.0

IN Parameters**Table 3–7 INSERT_CONTEXTGROUPS IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_cgrv_rec	OKL_CGR_PVT.CGRV_REC_TYPE	Yes	Record type for view OKL_CONTEXT_GROUPS_V.

OUT Parameters**Table 3–8 INSERT_CONTEXTGROUPS OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_cgrv_rec	OKL_CGR_PVT.CGRV_REC_TYPE	Yes	Record type for view OKL_CONTEXT_GROUPS_V.

3.2.3 UPDATE_CONTEXTGROUPS**Procedure Specification**

Program Unit UPDATE_CONTEXTGROUPS

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
```

```
x_msg_data          OUT      VARCHAR2,
p_cgrv_rec          IN       OKL_CGR_PVT.CGRV_REC_TYPE,
x_cgrv_rec          OUT      OKL_CGR_PVT.CGRV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 3–9 UPDATE_CONTEXTGROUPS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_cgrv_rec	OKL_CGR_PVT.CGRV_REC_TYPE	Yes	Record type for view OKL_CONTEXT_GROUPS_V.

OUT Parameters

Table 3–10 UPDATE_CONTEXTGROUPS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_cgrv_rec	OKL_CGR_PVT.CGRV_REC_TYPE	Yes	Record type for view OKL_CONTEXT_GROUPS_V.

3.3 Package OKL_SETUPFMACONSTRAINTS_PUB

This package contains the following procedures:

- [DELETE_FMACONSTRAINTS](#) on page 3-9
- [GET_REC](#) on page 3-10
- [INSERT_FMACONSTRAINTS](#) on page 3-11
- [UPDATE_FMACONSTRAINTS](#) on page 3-12

3.3.1 DELETE_FMACONSTRAINTS

Procedure Specification

Program Unit DELETE_FMACONSTRAINTS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_fodv_tbl             IN      OKL_FOD_PVT.FODV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 3–11 *DELETE_FMACONSTRAINTS IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_fodv_tbl	OKL_FOD_PVT.FODV_TBL_TYPE	Yes	Table type for view OKL_FMLA_OPRNDS_V.

OUT Parameters

Table 3–12 DELETE_FMACONSTRAINTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

3.3.2 GET_REC

Procedure Specification

```
Program Unit GET_REC
(
    p_fodv_rec           IN      OKL_FOD_PVT.FODV_REC_TYPE,
    x_return_status      OUT     VARCHAR2,
    x_msg_data           OUT     VARCHAR2,
    x_no_data_found      OUT     PL/SQL BOOLEAN,
    x_fodv_rec           OUT     OKL_FOD_PVT.FODV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 3–13 GET_REC IN Parameters

Parameter	Data Type	Required	Description and Validation
p_fodv_rec	OKL_FOD_PVT.FODV_REC_TYPE	Yes	Record type for view OKL_FMLA_OPRNDS_V.

OUT Parameters

Table 3–14 GET_REC OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_no_data_found	PL/SQL BOOLEAN	Yes	Flag to check for data; returns False if data exists; the converse also applies.
x_fodv_rec	OKL_FOD_PVT.FODV_REC_TYPE	Yes	Record type for view OKL_FMLA_OPRNDS_V.

3.3.3 INSERT_FMACONSTRAINTS

Procedure Specification

Program Unit INSERT_FMACONSTRAINTS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_fmav_rec             IN      OKL_FMA_PVT.FMAV_REC_TYPE,
  p_fodv_rec             IN      OKL_FOD_PVT.FODV_REC_TYPE,
  x_fodv_rec             OUT     OKL_FOD_PVT.FODV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 3–15 INSERT_FMACONSTRAINTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_fmav_rec	OKL_FMA_PVT.FMAV_REC_TYPE	Yes	Record type for view OKL_FORMULAE_V.
p_fodv_rec	OKL_FOD_PVT.FODV_REC_TYPE	Yes	Record type for view OKL_FMLA_OPRNDS_V.

OUT Parameters

Table 3–16 INSERT_FMACONSTRAINTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_fodv_rec	OKL_FOD_PVT.FODV_REC_TYPE	Yes	Record type for view OKL_FMLA_OPRNDS_V.

3.3.4 UPDATE_FMACONSTRAINTS

Procedure Specification

```
Program Unit UPDATE_FMACONSTRAINTS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
```

```

x_msg_data          OUT      VARCHAR2,
p_fmav_rec          IN       OKL_FMA_PVT.FMAV_REC_TYPE,
p_fodv_rec          IN       OKL_FOD_PVT.FODV_REC_TYPE,
x_fodv_rec          OUT      OKL_FOD_PVT.FODV_REC_TYPE
);

```

Current Version

1.0

IN Parameters

Table 3–17 UPDATE_FMACONSTRAINTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_fmav_rec	OKL_FMA_PVT.FMAV_REC_TYPE	Yes	Record type for view OKL_FORMULAE_V.
p_fodv_rec	OKL_FOD_PVT.FODV_REC_TYPE	Yes	Record type for view OKL_FMLA_OPRNDS_V.

OUT Parameters

Table 3–18 UPDATE_FMACONSTRAINTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_fodv_rec	OKL_FOD_PVT.FODV_REC_TYPE	Yes	Record type for view OKL_FMLA_OPRNDS_V.

3.4 Package OKL_SETUPFORMULAE_PUB

This package contains the following procedures:

- [GET_REC](#) on page 3-14
- [INSERT_FORMULAE](#) on page 3-15
- [UPDATE_FORMULAE](#) on page 3-16

3.4.1 GET_REC

Procedure Specification

```
Program Unit GET_REC
(
  p_fmav_rec                IN      OKL_FMA_PVT.FMAV_REC_TYPE,
  x_return_status           OUT     VARCHAR2,
  x_msg_data                OUT     VARCHAR2,
  x_no_data_found           OUT     PL/SQL BOOLEAN,
  x_fmav_rec                OUT     OKL_FMA_PVT.FMAV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 3–19 GET_REC IN Parameters

Parameter	Data Type	Required	Description and Validation
p_fmav_rec	OKL_FMA_PVT.FMAV_REC_TYPE	Yes	Record type for view OKL_FORMULAE_V.

OUT Parameters

Table 3–20 GET_REC OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Table 3–20 GET_REC OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_no_data_found	PL/SQL BOOLEAN	Yes	Flag to check for data; returns False if data exists; the converse also applies.
x_fmav_rec	OKL_FMA_PVT.FMAV_REC_TYPE	Yes	Record type for view OKL_FORMULAE_V.

3.4.2 INSERT_FORMULAE

Procedure Specification

Program Unit INSERT_FORMULAE

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_fmav_rec              IN      OKL_FMA_PVT.FMAV_REC_TYPE,
  x_fmav_rec              OUT     OKL_FMA_PVT.FMAV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 3–21 INSERT_FORMULAE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 3–21 INSERT_FORMULAE IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_fmav_rec	OKL_FMA_PVT.FMAV_REC_TYPE	Yes	Record type for view OKL_FORMULAE_V.

OUT Parameters

Table 3–22 INSERT_FORMULAE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_fmav_rec	OKL_FMA_PVT.FMAV_REC_TYPE	Yes	Record type for view OKL_FORMULAE_V.

3.4.3 UPDATE_FORMULAE

Procedure Specification

```
Program Unit UPDATE_FORMULAE
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_fmav_rec              IN      OKL_FMA_PVT.FMAV_REC_TYPE,
  x_fmav_rec              OUT     OKL_FMA_PVT.FMAV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 3–23 UPDATE_FORMULAE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_fmav_rec	OKL_FMA_PVT.FMAV_REC_TYPE	Yes	Record type for view OKL_FORMULAE_V.

OUT Parameters

Table 3–24 UPDATE_FORMULAE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_fmav_rec	OKL_FMA_PVT.FMAV_REC_TYPE	Yes	Record type for view OKL_FORMULAE_V.

3.5 Package OKL_SETUPFUNCTIONS_PUB

This package contains the following procedures:

- [GET_REC](#) on page 3-18
- [INSERT_FUNCTIONS](#) on page 3-19
- [UPDATE_FUNCTIONS](#) on page 3-20

3.5.1 GET_REC

Procedure Specification

```
Program Unit GET_REC
(
    p_dsfv_rec           IN      OKL_DSF_PVT.DSFV_REC_TYPE,
    x_return_status      OUT     VARCHAR2,
    x_msg_data           OUT     VARCHAR2,
    x_no_data_found      OUT     PL/SQL BOOLEAN,
    x_dsfv_rec           OUT     OKL_DSF_PVT.DSFV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 3–25 GET_REC IN Parameters

Parameter	Data Type	Required	Description and Validation
p_dsfv_rec	OKL_DSF_PVT.DSFV_REC_TYPE	Yes	Record type for view OKL_DATA_SRC_FNCTNS_V.

OUT Parameters

Table 3–26 GET_REC OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_no_data_found	PL/SQL BOOLEAN	Yes	Flag to check for data; returns False if data exists; the converse also applies.
x_dsfv_rec	OKL_DSF_PVT.DSFV_REC_TYPE	Yes	Record type for view OKL_DATA_SRC_FNCTNS_V.

3.5.2 INSERT_FUNCTIONS

Procedure Specification

Program Unit INSERT_FUNCTIONS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_dsfv_rec             IN      OKL_DSF_PVT.DSFV_REC_TYPE,
  x_dsfv_rec             OUT     OKL_DSF_PVT.DSFV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 3–27 INSERT_FUNCTIONS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_dsfv_rec	OKL_DSF_PVT.DSFV_REC_TYPE	Yes	Record type for view OKL_DATA_SRC_FNCTNS_V.

OUT Parameters

Table 3–28 INSERT_FUNCTIONS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 3–28 INSERT_FUNCTIONS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_dsfv_rec	OKL_DSF_PVT.DSFV_REC_TYPE	Yes	Record type for view OKL_DATA_SRC_FNCTNS_V.

3.5.3 UPDATE_FUNCTIONS

Procedure Specification

```
Program Unit UPDATE_FUNCTIONS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_dsfv_rec             IN      OKL_DSF_PVT.DSFV_REC_TYPE,
  x_dsfv_rec             OUT     OKL_DSF_PVT.DSFV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 3–29 UPDATE_FUNCTIONS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_dsfv_rec	OKL_DSF_PVT.DSFV_REC_TYPE	Yes	Record type for view OKL_DATA_SRC_FNCTNS_V.

OUT Parameters

Table 3–30 UPDATE_FUNCTIONS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_dsfv_rec	OKL_DSF_PVT.DSFV_REC_TYPE	Yes	Record type for view OKL_DATA_SRC_FNCTNS_V.

3.6 Package OKL_SETUPOPERANDS_PUB

This package contains the following procedures:

- [GET_REC](#) on page 3-21
- [INSERT_OPERANDS](#) on page 3-22
- [UPDATE_OPERANDS](#) on page 3-23

3.6.1 GET_REC

Procedure Specification

Program Unit GET_REC

```
(
  p_opdv_rec           IN      OKL_OPD_PVT.OPDV_REC_TYPE,
  x_return_status      OUT     VARCHAR2,
  x_msg_data           OUT     VARCHAR2,
  x_no_data_found      OUT     PL/SQL BOOLEAN,
  x_opdv_rec           OUT     OKL_OPD_PVT.OPDV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 3–31 GET_REC IN Parameters

Parameter	Data Type	Required	Description and Validation
p_opdv_rec	OKL_OPD_PVT.OPDV_REC_TYPE	Yes	Record type for view OKL_OPERANDS_V.

OUT Parameters

Table 3–32 GET_REC OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_no_data_found	PL/SQL BOOLEAN	Yes	Flag to check for data; returns False if data exists; the converse also applies.
x_opdv_rec	OKL_OPD_PVT.OPDV_REC_TYPE	Yes	Record type for view OKL_OPERANDS_V.

3.6.2 INSERT_OPERANDS

Procedure Specification

```
Program Unit INSERT_OPERANDS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data            OUT     VARCHAR2,
    p_opdv_rec            IN      OKL_OPD_PVT.OPDV_REC_TYPE,
    x_opdv_rec            OUT     OKL_OPD_PVT.OPDV_REC_TYPE
);
```


Current Version

1.0

IN Parameters**Table 3–33 INSERT_OPERANDS IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_opdv_rec	OKL_OPD_ PVT.OPDV_REC_ TYPE	Yes	Record type for view OKL_OPERANDS_V.

OUT Parameters**Table 3–34 INSERT_OPERANDS OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_opdv_rec	OKL_OPD_ PVT.OPDV_REC_ TYPE	Yes	Record type for view OKL_OPERANDS_V.

3.6.3 UPDATE_OPERANDS**Procedure Specification**

Program Unit UPDATE_OPERANDS

```

(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,

```

```

x_msg_data          OUT      VARCHAR2,
p_opdv_rec          IN       OKL_OPD_PVT.OPDV_REC_TYPE,
x_opdv_rec          OUT      OKL_OPD_PVT.OPDV_REC_TYPE
);
```

Current Version
1.0

IN Parameters

Table 3–35 UPDATE_OPERANDS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_opdv_rec	OKL_OPD_PVT.OPDV_REC_TYPE	Yes	Record type for view OKL_OPERANDS_V.

OUT Parameters

Table 3–36 UPDATE_OPERANDS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_opdv_rec	OKL_OPD_PVT.OPDV_REC_TYPE	Yes	Record type for view OKL_OPERANDS_V.

Accounting Option APIs

The following are public packages of Accounting Option APIs in Oracle Lease Management:

- [Package OKL_SYSTEM_ACCT_OPT_PUB](#) on page 4-2
- [Package OKL_SYS_ACCT_OPTS_PUB](#) on page 4-4

For information about all table and record type parameters, see [Appendix A, "API Data Structure Specifications"](#).

4.1 Package OKL_SYSTEM_ACCT_OPT_PUB

This package contains the following procedures:

- [GET_SYSTEM_ACCT_OPT](#) on page 4-2
- [UPDT_SYSTEM_ACCT_OPT](#) on page 4-3

4.1.1 GET_SYSTEM_ACCT_OPT

Procedure Specification

```
Program Unit GET_SYSTEM_ACCT_OPT
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_set_of_books_id       IN      NUMBER,
  x_saov_rec              OUT     OKL_SAO_PVT.SAOV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 4–1 GET_SYSTEM_ACCT_OPT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_set_of_books_id	NUMBER	Yes	Set of book ID associated with organization.

OUT Parameters

Table 4–2 GET_SYSTEM_ACCT_OPT OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_saov_rec	OKL_SAO_PVT.SAOV_REC_TYPE	Yes	Record type for OKL_SYS_ACCT_OPTS_V view.

4.1.2 UPDT_SYSTEM_ACCT_OPT

Procedure Specification

Program Unit UPDT_SYSTEM_ACCT_OPT

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_saov_rec             IN      OKL_SAO_PVT.SAOV_REC_TYPE,
  x_saov_rec             OUT     OKL_SAO_PVT.SAOV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 4–3 UPDT_SYSTEM_ACCT_OPT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 4–3 UPDT_SYSTEM_ACCT_OPT IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_saov_rec	OKL_SAO_PVT.SAOV_REC_TYPE	Yes	Record type for OKL_SYS_ACCT_OPTS_V view.

OUT Parameters

Table 4–4 UPDT_SYSTEM_ACCT_OPT OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_saov_rec	OKL_SAO_PVT.SAOV_REC_TYPE	Yes	Record type for OKL_SYS_ACCT_OPTS_V view.

4.2 Package OKL_SYS_ACCT_OPTS_PUB

This package contains the following procedures:

- [DELETE_SYS_ACCT_OPTS \(Overloaded\)](#) on page 4-4
- [INSERT_SYS_ACCT_OPTS \(Overloaded\)](#) on page 4-7
- [LOCK_SYS_ACCT_OPTS \(Overloaded\)](#) on page 4-9
- [UPDATE_SYS_ACCT_OPTS \(Overloaded\)](#) on page 4-12
- [VALIDATE_SYS_ACCT_OPTS \(Overloaded\)](#) on page 4-14

4.2.1 DELETE_SYS_ACCT_OPTS (Overloaded)

This overloaded procedure includes:

- [DELETE_SYS_ACCT_OPTS](#) on page 4-5

- [DELETE_SYS_ACCT_OPTS](#) on page 4-6

DELETE_SYS_ACCT_OPTS

Procedure Specification

Program Unit DELETE_SYS_ACCT_OPTS

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_saov_rec             IN      OKL_SAO_PVT.SAOV_REC_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 4–5 *DELETE_SYS_ACCT_OPTS IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_saov_rec	OKL_SAO_PVT.SAOV_REC_TYPE	Yes	Record type for OKL_SYS_ACCT_OPTS_V view.

OUT Parameters

Table 4–6 *DELETE_SYS_ACCT_OPTS OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Table 4–6 DELETE_SYS_ACCT_OPTS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_SYS_ACCT_OPTS

Procedure Specification

```
Program Unit DELETE_SYS_ACCT_OPTS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_saov_tbl             IN      OKL_SAO_PVT.SAOV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 4–7 DELETE_SYS_ACCT_OPTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_saov_tbl	OKL_SAO_PVT.SAOV_TBL_TYPE	Yes	Table type for OKL_SYS_ACCT_OPTS_V view.

OUT Parameters

Table 4–8 DELETE_SYS_ACCT_OPTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

4.2.2 INSERT_SYS_ACCT_OPTS (Overloaded)

This overloaded procedure includes:

- [INSERT_SYS_ACCT_OPTS](#) on page 4-7
- [INSERT_SYS_ACCT_OPTS](#) on page 4-8

INSERT_SYS_ACCT_OPTS

Procedure Specification

Program Unit INSERT_SYS_ACCT_OPTS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_saov_rec            IN      OKL_SAO_PVT.SAOV_REC_TYPE,
  x_saov_rec            OUT     OKL_SAO_PVT.SAOV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 4–9 INSERT_SYS_ACCT_OPTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_saov_rec	OKL_SAO_PVT.SAOV_REC_TYPE	Yes	Record type for OKL_SYS_ACCT_OPTS_V view.

OUT Parameters

Table 4–10 INSERT_SYS_ACCT_OPTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_saov_rec	OKL_SAO_PVT.SAOV_REC_TYPE	Yes	Record type for OKL_SYS_ACCT_OPTS_V view.

INSERT_SYS_ACCT_OPTS

Procedure Specification

```
Program Unit INSERT_SYS_ACCT_OPTS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_saov_tbl            IN      OKL_SAO_PVT.SAOV_TBL_TYPE,
  x_saov_tbl            OUT     OKL_SAO_PVT.SAOV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters**Table 4–11 INSERT_SYS_ACCT_OPTS IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_saov_tbl	OKL_SAO_ PVT.SAOV_TBL_ TYPE	Yes	Table type for OKL_SYS_ ACCT_OPTS_V view.

OUT Parameters**Table 4–12 INSERT_SYS_ACCT_OPTS OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_saov_tbl	OKL_SAO_ PVT.SAOV_TBL_ TYPE	Yes	Table type for OKL_SYS_ ACCT_OPTS_V view.

4.2.3 LOCK_SYS_ACCT_OPTS (Overloaded)

This overloaded procedure includes:

- [LOCK_SYS_ACCT_OPTS](#) on page 4-10
- [LOCK_SYS_ACCT_OPTS](#) on page 4-11

LOCK_SYS_ACCT_OPTS

Procedure Specification

```
Program Unit LOCK_SYS_ACCT_OPTS
(
    p_api_version          IN          NUMBER,
    p_init_msg_list        IN          VARCHAR2,
    x_return_status        OUT         VARCHAR2,
    x_msg_count            OUT         NUMBER,
    x_msg_data             OUT         VARCHAR2,
    p_saov_rec             IN          OKL_SAO_PVT.SAOV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 4–13 LOCK_SYS_ACCT_OPTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_saov_rec	OKL_SAO_PVT.SAOV_REC_TYPE	Yes	Record type for OKL_SYS_ACCT_OPTS_V view.

OUT Parameters

Table 4–14 LOCK_SYS_ACCT_OPTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 4–14 LOCK_SYS_ACCT_OPTS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_SYS_ACCT_OPTS

Procedure Specification

Program Unit LOCK_SYS_ACCT_OPTS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_saov_tbl             IN      OKL_SAO_PVT.SAOV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 4–15 LOCK_SYS_ACCT_OPTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_saov_tbl	OKL_SAO_PVT.SAOV_TBL_TYPE	Yes	Table type for OKL_SYS_ACCT_OPTS_V view.

OUT Parameters

Table 4–16 LOCK_SYS_ACCT_OPTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

4.2.4 UPDATE_SYS_ACCT_OPTS (Overloaded)

This overloaded procedure includes:

- [UPDATE_SYS_ACCT_OPTS](#) on page 4-12
- [UPDATE_SYS_ACCT_OPTS](#) on page 4-13

UPDATE_SYS_ACCT_OPTS

Procedure Specification

```
Program Unit UPDATE_SYS_ACCT_OPTS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_saov_rec              IN      OKL_SAO_PVT.SAOV_REC_TYPE,
    x_saov_rec              OUT     OKL_SAO_PVT.SAOV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 4–17 UPDATE_SYS_ACCT_OPTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_saov_rec	OKL_SAO_PVT.SAOV_REC_TYPE	Yes	Record type for OKL_SYS_ACCT_OPTS_V view.

OUT Parameters

Table 4–18 UPDATE_SYS_ACCT_OPTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_saov_rec	OKL_SAO_PVT.SAOV_REC_TYPE	Yes	Record type for OKL_SYS_ACCT_OPTS_V view.

UPDATE_SYS_ACCT_OPTS

Procedure Specification

Program Unit UPDATE_SYS_ACCT_OPTS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_saov_tbl             IN      OKL_SAO_PVT.SAOV_TBL_TYPE,
  x_saov_tbl             OUT     OKL_SAO_PVT.SAOV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 4–19 UPDATE_SYS_ACCT_OPTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_saov_tbl	OKL_SAO_PVT.SAOV_TBL_TYPE	Yes	Table type for OKL_SYS_ACCT_OPTS_V view.

OUT Parameters

Table 4–20 UPDATE_SYS_ACCT_OPTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_saov_tbl	OKL_SAO_PVT.SAOV_TBL_TYPE	Yes	Table type for OKL_SYS_ACCT_OPTS_V view.

4.2.5 VALIDATE_SYS_ACCT_OPTS (Overloaded)

This overloaded procedure includes:

- [VALIDATE_SYS_ACCT_OPTS](#) on page 4-15
- [VALIDATE_SYS_ACCT_OPTS](#) on page 4-16

VALIDATE_SYS_ACCT_OPTS

Procedure Specification

Program Unit VALIDATE_SYS_ACCT_OPTS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_saov_rec             IN      OKL_SAO_PVT.SAOV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 4–21 VALIDATE_SYS_ACCT_OPTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_saov_rec	OKL_SAO_PVT.SAOV_REC_TYPE	Yes	Record type for OKL_SYS_ACCT_OPTS_V view.

OUT Parameters

Table 4–22 VALIDATE_SYS_ACCT_OPTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 4–22 VALIDATE_SYS_ACCT_OPTS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_SYS_ACCT_OPTS

Procedure Specification

```
Program Unit VALIDATE_SYS_ACCT_OPTS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_saov_tbl              IN      OKL_SAO_PVT.SAOV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 4–23 VALIDATE_SYS_ACCT_OPTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_saov_tbl	OKL_SAO_PVT.SAOV_TBL_TYPE	Yes	Table type for OKL_SYS_ACCT_OPTS_V view.

OUT Parameters

Table 4–24 *VALIDATE_SYS_ACCT_OPTS OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Lease Accounting Template APIs

The following are public packages of Lease Accounting Template APIs in Oracle Lease Management:

- [Package OKL_COPY_TEMPLATE_PUB](#) on page 5-2
- [Package OKL_PROCESS_TMPT_SET_PUB](#) on page 5-3
- [Package OKL_TMPT_SET_PUB](#) on page 5-31

For information about all table and record type parameters, see [Appendix A, "API Data Structure Specifications"](#).

5.1 Package OKL_COPY_TEMPLATE_PUB

This package contains the following procedure:

- [COPY_TEMPLATES](#) on page 5-2

5.1.1 COPY_TEMPLATES

Procedure Specification

Program Unit COPY_TEMPLATES

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_aes_id_from           IN      NUMBER,
  p_aes_id_to             IN      NUMBER
);
```

Current Version

1.0

IN Parameters

Table 5–1 COPY_TEMPLATES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aes_id_from	NUMBER	Yes	Accounting template set ID.
p_aes_id_to	NUMBER	Yes	Accounting template set ID.

OUT Parameters

Table 5–2 COPY_TEMPLATES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

5.2 Package OKL_PROCESS_TMPT_SET_PUB

This package contains the following procedures:

- [COPY_TEMPLATE](#) on page 5-3
- [COPY_TMPL_SET](#) on page 5-5
- [CREATE_TEMPLATE \(Overloaded\)](#) on page 5-6
- [CREATE_TMPT_LINES \(Overloaded\)](#) on page 5-8
- [CREATE_TMPT_SET \(Overloaded\)](#) on page 5-11
- [DELETE_TEMPLATE \(Overloaded\)](#) on page 5-15
- [DELETE_TMPT_LINES \(Overloaded\)](#) on page 5-17
- [DELETE_TMPT_SET \(Overloaded\)](#) on page 5-20
- [UPDATE_TEMPLATE \(Overloaded\)](#) on page 5-22
- [UPDATE_TMPT_LINES \(Overloaded\)](#) on page 5-25
- [UPDATE_TMPT_SET \(Overloaded\)](#) on page 5-27

5.2.1 COPY_TEMPLATE

Procedure Specification

```
Program Unit COPY_TEMPLATE
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
```

```
x_msg_count          OUT      NUMBER,
x_msg_data            OUT      VARCHAR2,
p_avlv_rec            IN       OKL_AVL_PVT.AVLV_REC_TYPE,
p_source_tmpl_id      IN       NUMBER,
x_avlv_rec            OUT      OKL_AVL_PVT.AVLV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–3 COPY_TEMPLATE_IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_avlv_rec	OKL_AVL_PVT.AVLV_REC_TYPE	Yes	Record type of OKL_AE_TEMPLATES_V.
p_source_tmpl_id	NUMBER	Yes	Source accounting template ID.

OUT Parameters

Table 5–4 COPY_TEMPLATE_OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_avlv_rec	OKL_AVL_PVT.AVLV_REC_TYPE	Yes	Record type of OKL_AE_TEMPLATES_V.

5.2.2 COPY_TMPL_SET

Procedure Specification

```
Program Unit COPY_TMPL_SET
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_aes_id_from           IN      NUMBER,
    p_aes_id_to             IN      NUMBER
);
```

Current Version

1.0

IN Parameters

Table 5–5 COPY_TMPL_SET IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aes_id_from	NUMBER	Yes	Accounting template set ID.
p_aes_id_to	NUMBER	Yes	Accounting template set ID.

OUT Parameters

Table 5–6 COPY_TMPL_SET OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 5–6 COPY_TMPL_SET OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

5.2.3 CREATE_TEMPLATE (Overloaded)

This overloaded procedure includes:

- [CREATE_TEMPLATE](#) on page 5-6
- [CREATE_TEMPLATE](#) on page 5-7

CREATE_TEMPLATE

Procedure Specification

```
Program Unit CREATE_TEMPLATE
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_avlv_tbl             IN      OKL_AVL_PVT.AVLV_TBL_TYPE,
  x_avlv_tbl             OUT     OKL_AVL_PVT.AVLV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–7 CREATE_TEMPLATE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 5–7 CREATE_TEMPLATE IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_avlv_tbl	OKL_AVL_ PVT.AVLV_TBL_ TYPE	Yes	Table type of OKL_AE_ TEMPLATES_V records.

OUT Parameters

Table 5–8 CREATE_TEMPLATE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_avlv_tbl	OKL_AVL_ PVT.AVLV_TBL_ TYPE	Yes	Table type of OKL_AE_ TEMPLATES_V records.

CREATE_TEMPLATE

Procedure Specification

Program Unit CREATE_TEMPLATE

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_avlv_rec              IN      OKL_AVL_PVT.AVLV_REC_TYPE,
  x_avlv_rec              OUT     OKL_AVL_PVT.AVLV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–9 CREATE_TEMPLATE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_avlv_rec	OKL_AVL_ PVT.AVLV_REC_ TYPE	Yes	Record type of OKL_AE_ TEMPLATES_V.

OUT Parameters

Table 5–10 CREATE_TEMPLATE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_avlv_rec	OKL_AVL_ PVT.AVLV_REC_ TYPE	Yes	Record type of OKL_AE_ TEMPLATES_V.

5.2.4 CREATE_TMPT_LINES (Overloaded)

This overloaded procedure includes:

- [CREATE_TMPT_LINES](#) on page 5-8
- [CREATE_TMPT_LINES](#) on page 5-10

CREATE_TMPT_LINES

Procedure Specification

```
Program Unit CREATE_TMPT_LINES
(
```

```

p_api_version          IN      NUMBER,
p_init_msg_list        IN      VARCHAR2,
x_return_status        OUT     VARCHAR2,
x_msg_count            OUT     NUMBER,
x_msg_data             OUT     VARCHAR2,
p_atlv_tbl             IN      OKL_ATL_PVT.ATLV_TBL_TYPE,
x_atlv_tbl             OUT     OKL_ATL_PVT.ATLV_TBL_TYPE
);

```

Current Version

1.0

IN Parameters

Table 5–11 CREATE_TMPT_LINES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_atlv_tbl	OKL_ATL_PVT.ATLV_TBL_TYPE	Yes	Table type of OKL_AE_TMPT_LNES_V records.

OUT Parameters

Table 5–12 CREATE_TMPT_LINES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_atlv_tbl	OKL_ATL_PVT.ATLV_TBL_TYPE	Yes	Table type of OKL_AE_TMPT_LNES_V records.

CREATE_TMPT_LINES

Procedure Specification

```
Program Unit CREATE_TMPT_LINES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_atlv_rec             IN      OKL_ATL_PVT.ATLV_REC_TYPE,
  x_atlv_rec             OUT     OKL_ATL_PVT.ATLV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–13 CREATE_TMPT_LINES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_atlv_rec	OKL_ATL_PVT.ATLV_REC_TYPE	Yes	Record type of OKL_AE_TMPT_LNES_V.

OUT Parameters

Table 5–14 CREATE_TMPT_LINES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 5–14 CREATE_TMPT_LINES OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_atlv_rec	OKL_ATL_PVT.ATLV_REC_TYPE	Yes	Record type of OKL_AE_TMPT_LNES_V.

5.2.5 CREATE_TMPT_SET (Overloaded)

This overloaded procedure includes:

- [CREATE_TMPT_SET](#) on page 5-11
- [CREATE_TMPT_SET](#) on page 5-13
- [CREATE_TMPT_SET](#) on page 5-14

CREATE_TMPT_SET

Procedure Specification

Program Unit CREATE_TMPT_SET

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_aesv_rec              IN      OKL_AES_PVT.AESV_REC_TYPE,
  p_avlv_tbl              IN      OKL_AVL_PVT.AVLV_TBL_TYPE,
  p_atlv_tbl              IN      OKL_ATL_PVT.ATLV_TBL_TYPE,
  x_aesv_rec              OUT     OKL_AES_PVT.AESV_REC_TYPE,
  x_avlv_tbl              OUT     OKL_AVL_PVT.AVLV_TBL_TYPE,
  x_atlv_tbl              OUT     OKL_ATL_PVT.ATLV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–15 CREATE_TMPT_SET IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aesv_rec	OKL_AES_PVT.AESV_REC_TYPE	Yes	Record type of OKL_AE_TMPT_SETS_V.
p_avlv_tbl	OKL_AVL_PVT.AVLV_TBL_TYPE	Yes	Table type of OKL_AE_TEMPLATES_V records.
p_atlv_tbl	OKL_ATL_PVT.ATLV_TBL_TYPE	Yes	Table type of OKL_AE_TMPT_LNES_V records.

OUT Parameters

Table 5–16 CREATE_TMPT_SET OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_aesv_rec	OKL_AES_PVT.AESV_REC_TYPE	Yes	Record type of OKL_AE_TMPT_SETS_V.
x_avlv_tbl	OKL_AVL_PVT.AVLV_TBL_TYPE	Yes	Table type of OKL_AE_TEMPLATES_V records.
x_atlv_tbl	OKL_ATL_PVT.ATLV_TBL_TYPE	Yes	Table type of OKL_AE_TMPT_LNES_V records.

CREATE_TMPT_SET

Procedure Specification

```
Program Unit CREATE_TMPT_SET
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_aesv_tbl             IN      OKL_AES_PVT.AESV_TBL_TYPE,
  x_aesv_tbl             OUT     OKL_AES_PVT.AESV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–17 CREATE_TMPT_SET IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aesv_tbl	OKL_AES_PVT.AESV_TBL_TYPE	Yes	Table type of OKL_AE_TMPT_SETS_V records.

OUT Parameters

Table 5–18 CREATE_TMPT_SET OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 5–18 CREATE_TMPT_SET OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_aesv_tbl	OKL_AES_PVT.AESV_TBL_TYPE	Yes	Table type of OKL_AE_TMPT_SETS_V records.

CREATE_TMPT_SET

Procedure Specification

Program Unit CREATE_TMPT_SET

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_aesv_rec              IN      OKL_AES_PVT.AESV_REC_TYPE,
  x_aesv_rec              OUT     OKL_AES_PVT.AESV_REC_TYPE,
  p_aes_source_id         IN      NUMBER
);
```

Current Version

1.0

IN Parameters

Table 5–19 CREATE_TMPT_SET IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aesv_rec	OKL_AES_PVT.AESV_REC_TYPE	Yes	Record type of OKL_AE_TMPT_SETS_V.

Table 5–19 CREATE_TMPT_SET IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_aes_source_id	NUMBER	Yes	Source Accounting Template Set ID.

OUT Parameters**Table 5–20 CREATE_TMPT_SET OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_aesv_rec	OKL_AES_PVT.AESV_REC_TYPE	Yes	Record type of OKL_AE_TMPT_SETS_V.

5.2.6 DELETE_TEMPLATE (Overloaded)

This overloaded procedure includes:

- [DELETE_TEMPLATE](#) on page 5-15
- [DELETE_TEMPLATE](#) on page 5-16

DELETE_TEMPLATE**Procedure Specification**

Program Unit DELETE_TEMPLATE

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_avlv_tbl             IN      OKL_AVL_PVT.AVLV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–21 DELETE_TEMPLATE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_avlv_tbl	OKL_AVL_PVT.AVLV_TBL_TYPE	Yes	Table type of OKL_AE_TEMPLATES_V records.

OUT Parameters

Table 5–22 DELETE_TEMPLATE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_TEMPLATE

Procedure Specification

```
Program Unit DELETE_TEMPLATE
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_avlv_rec             IN      OKL_AVL_PVT.AVLV_REC_TYPE
);
```

Current Version

1.0

IN Parameters**Table 5–23 DELETE_TEMPLATE IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_avlv_rec	OKL_AVL_ PVT.AVLV_REC_ TYPE	Yes	Record type of OKL_AE_ TEMPLATES_V.

OUT Parameters**Table 5–24 DELETE_TEMPLATE OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

5.2.7 DELETE_TMPT_LINES (Overloaded)

This overloaded procedure includes:

- [DELETE_TMPT_LINES](#) on page 5-18
- [DELETE_TMPT_LINES](#) on page 5-19

DELETE_TMPT_LINES

Procedure Specification

```
Program Unit DELETE_TMPT_LINES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_atlv_tbl             IN      OKL_ATL_PVT.ATLV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–25 DELETE_TMPT_LINES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_atlv_tbl	OKL_ATL_PVT.ATLV_TBL_TYPE	Yes	Table type of OKL_AE_TMPT_LNES_V records.

OUT Parameters

Table 5–26 DELETE_TMPT_LINES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 5–26 DELETE_TMPT_LINES OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_TMPT_LINES

Procedure Specification

```
Program Unit DELETE_TMPT_LINES
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_atlv_rec             IN      OKL_ATL_PVT.ATLV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–27 DELETE_TMPT_LINES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_atlv_rec	OKL_ATL_PVT.ATLV_REC_TYPE	Yes	Record type of OKL_AE_TMPT_LNES_V records.

OUT Parameters

Table 5–28 DELETE_TMPT_LINES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

5.2.8 DELETE_TMPT_SET (Overloaded)

This overloaded procedure includes:

- [DELETE_TMPT_SET](#) on page 5-20
- [DELETE_TMPT_SET](#) on page 5-21

DELETE_TMPT_SET

Procedure Specification

```
Program Unit DELETE_TMPT_SET
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_aesv_tbl              IN      OKL_AES_PVT.AESV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–29 DELETE_TMPT_SET IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aesv_tbl	OKL_AES_PVT.AESV_TBL_TYPE	Yes	Table type of OKL_AE_TMPT_SETS_V records.

OUT Parameters

Table 5–30 DELETE_TMPT_SET OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_TMPT_SET

Procedure Specification

```
Program Unit DELETE_TMPT_SET
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_aesv_rec             IN      OKL_AES_PVT.AESV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–31 DELETE_TMPT_SET IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aesv_rec	OKL_AES_PVT.AESV_REC_TYPE	Yes	Record type of OKL_AE_TMPT_SETS_V.

OUT Parameters

Table 5–32 DELETE_TMPT_SET OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

5.2.9 UPDATE_TEMPLATE (Overloaded)

This overloaded procedure includes:

- [UPDATE_TEMPLATE](#) on page 5-22
- [UPDATE_TEMPLATE](#) on page 5-24

UPDATE_TEMPLATE

Procedure Specification

```
Program Unit UPDATE_TEMPLATE
(
```

```

p_api_version          IN      NUMBER,
p_init_msg_list        IN      VARCHAR2,
x_return_status        OUT     VARCHAR2,
x_msg_count            OUT     NUMBER,
x_msg_data             OUT     VARCHAR2,
p_avlv_tbl             IN      OKL_AVL_PVT.AVLV_TBL_TYPE,
x_avlv_tbl             OUT     OKL_AVL_PVT.AVLV_TBL_TYPE
);

```

Current Version

1.0

IN Parameters

Table 5–33 UPDATE_TEMPLATE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_avlv_tbl	OKL_AVL_PVT.AVLV_TBL_TYPE	Yes	Table type of OKL_AE_TEMPLATES_V records.

OUT Parameters

Table 5–34 UPDATE_TEMPLATE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_avlv_tbl	OKL_AVL_PVT.AVLV_TBL_TYPE	Yes	Table type of OKL_AE_TEMPLATES_V records.

UPDATE_TEMPLATE

Procedure Specification

```
Program Unit UPDATE_TEMPLATE
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_avlv_rec             IN      OKL_AVL_PVT.AVLV_REC_TYPE,
  x_avlv_rec             OUT     OKL_AVL_PVT.AVLV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–35 UPDATE_TEMPLATE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_avlv_rec	OKL_AVL_PVT.AVLV_REC_TYPE	Yes	Record type of OKL_AE_TEMPLATES_V.

OUT Parameters

Table 5–36 UPDATE_TEMPLATE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 5–36 UPDATE_TEMPLATE OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_avlv_rec	OKL_AVL_ PVT.AVLV_REC_ TYPE	Yes	Record type of OKL_AE_ TEMPLATES_V.

5.2.10 UPDATE_TMPT_LINES (Overloaded)

This overloaded procedure includes:

- [UPDATE_TMPT_LINES](#) on page 5-25
- [UPDATE_TMPT_LINES](#) on page 5-26

UPDATE_TMPT_LINES

Procedure Specification

Program Unit UPDATE_TMPT_LINES

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_atlv_tbl             IN      OKL_ATL_PVT.ATLV_TBL_TYPE,
  x_atlv_tbl             OUT     OKL_ATL_PVT.ATLV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–37 UPDATE_TMPT_LINES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 5–37 UPDATE_TMPT_LINES IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_atlv_tbl	OKL_ATL_PVT.ATLV_TBL_TYPE	Yes	Table type of OKL_AE_TMPT_LNES_V records.

OUT Parameters

Table 5–38 UPDATE_TMPT_LINES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_atlv_tbl	OKL_ATL_PVT.ATLV_TBL_TYPE	Yes	Table type of OKL_AE_TMPT_LNES_V records.

UPDATE_TMPT_LINES

Procedure Specification

```
Program Unit UPDATE_TMPT_LINES
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_atlv_rec              IN      OKL_ATL_PVT.ATLV_REC_TYPE,
  x_atlv_rec              OUT     OKL_ATL_PVT.ATLV_REC_TYPE
);
```

Current Version

1.0

IN Parameters**Table 5–39 UPDATE_TMPT_LINES IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_atlv_rec	OKL_ATL_ PVT.ATLV_REC_ TYPE	Yes	Record type of OKL_AE_ TMPT_LNES_V records.

OUT Parameters**Table 5–40 UPDATE_TMPT_LINES OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_atlv_rec	OKL_ATL_ PVT.ATLV_REC_ TYPE	Yes	Record type of OKL_AE_ TMPT_LNES_V records.

5.2.11 UPDATE_TMPT_SET (Overloaded)

This overloaded procedure includes:

- [UPDATE_TMPT_SET](#) on page 5-28
- [UPDATE_TMPT_SET](#) on page 5-29
- [UPDATE_TMPT_SET](#) on page 5-30

UPDATE_TMPT_SET

Procedure Specification

Program Unit UPDATE_TMPT_SET

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_aesv_rec              IN      OKL_AES_PVT.AESV_REC_TYPE,
  p_avlv_tbl              IN      OKL_AVL_PVT.AVLV_TBL_TYPE,
  p_atlv_tbl              IN      OKL_ATL_PVT.ATLV_TBL_TYPE,
  x_aesv_rec              OUT     OKL_AES_PVT.AESV_REC_TYPE,
  x_avlv_tbl              OUT     OKL_AVL_PVT.AVLV_TBL_TYPE,
  x_atlv_tbl              OUT     OKL_ATL_PVT.ATLV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–41 UPDATE_TMPT_SET IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aesv_rec	OKL_AES_PVT.AESV_REC_TYPE	Yes	Record type of OKL_AE_TMPT_SETS_V.
p_avlv_tbl	OKL_AVL_PVT.AVLV_TBL_TYPE	Yes	Table type of OKL_AE_TEMPLATES_V records.
p_atlv_tbl	OKL_ATL_PVT.ATLV_TBL_TYPE	Yes	Table type of OKL_AE_TMPT_LNES_V records.

OUT Parameters

Table 5–42 UPDATE_TMPT_SET OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_aesv_rec	OKL_AES_PVT.AESV_REC_TYPE	Yes	Record type of OKL_AE_TMPT_SETS_V.
x_avlv_tbl	OKL_AVL_PVT.AVLV_TBL_TYPE	Yes	Table type of OKL_AE_TEMPLATES_V records.
x_atlv_tbl	OKL_ATL_PVT.ATLV_TBL_TYPE	Yes	Table type of OKL_AE_TMPT_LNES_V records.

UPDATE_TMPT_SET

Procedure Specification

```
Program Unit UPDATE_TMPT_SET
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_aesv_tbl              IN      OKL_AES_PVT.AESV_TBL_TYPE,
    x_aesv_tbl              OUT     OKL_AES_PVT.AESV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–43 UPDATE_TMPT_SET IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aesv_tbl	OKL_AES_PVT.AESV_TBL_TYPE	Yes	Table type of OKL_AE_TMPT_SETS_V records.

OUT Parameters

Table 5–44 UPDATE_TMPT_SET OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_aesv_tbl	OKL_AES_PVT.AESV_TBL_TYPE	Yes	Table type of OKL_AE_TMPT_SETS_V records.

UPDATE_TMPT_SET

Procedure Specification

```
Program Unit UPDATE_TMPT_SET
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data            OUT     VARCHAR2,
    p_aesv_rec            IN      OKL_AES_PVT.AESV_REC_TYPE,
    x_aesv_rec            OUT     OKL_AES_PVT.AESV_REC_TYPE
);
```

Current Version

1.0

IN Parameters**Table 5–45 UPDATE_TMPT_SET IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aesv_rec	OKL_AES_PVT.AESV_REC_TYPE	Yes	Record type of OKL_AE_TMPT_SETS_V.

OUT Parameters**Table 5–46 UPDATE_TMPT_SET OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_aesv_rec	OKL_AES_PVT.AESV_REC_TYPE	Yes	Record type of OKL_AE_TMPT_SETS_V.

5.3 Package OKL_TMPT_SET_PUB

This package contains the following procedures:

- [CREATE_TEMPLATE \(Overloaded\)](#) on page 5-32
- [CREATE_TMPT_LINES \(Overloaded\)](#) on page 5-35

- [CREATE_TMPT_SET \(Overloaded\)](#) on page 5-37
- [DELETE_TEMPLATE \(Overloaded\)](#) on page 5-41
- [DELETE_TMPT_LINES \(Overloaded\)](#) on page 5-44
- [DELETE_TMPT_SET \(Overloaded\)](#) on page 5-46
- [LOCK_TEMPLATE \(Overloaded\)](#) on page 5-49
- [LOCK_TMPT_LINES \(Overloaded\)](#) on page 5-51
- [LOCK_TMPT_SET \(Overloaded\)](#) on page 5-53
- [UPDATE_TEMPLATE \(Overloaded\)](#) on page 5-56
- [UPDATE_TMPT_LINES \(Overloaded\)](#) on page 5-58
- [UPDATE_TMPT_SET \(Overloaded\)](#) on page 5-61
- [VALIDATE_TEMPLATE \(Overloaded\)](#) on page 5-65
- [VALIDATE_TMPT_LINES \(Overloaded\)](#) on page 5-67
- [VALIDATE_TMPT_SET \(Overloaded\)](#) on page 5-70

5.3.1 CREATE_TEMPLATE (Overloaded)

This overloaded procedure includes:

- [CREATE_TEMPLATE](#) on page 5-32
- [CREATE_TEMPLATE](#) on page 5-33

CREATE_TEMPLATE

Procedure Specification

Program Unit CREATE_TEMPLATE

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_avlv_tbl             IN      OKL_AVL_PVT.AVLV_TBL_TYPE,
  x_avlv_tbl             OUT     OKL_AVL_PVT.AVLV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–47 CREATE_TEMPLATE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_avlv_tbl	OKL_AVL_ PVT.AVLV_TBL_ TYPE	Yes	Table type of OKL_AE_ TEMPLATES_V records.

OUT Parameters

Table 5–48 CREATE_TEMPLATE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_avlv_tbl	OKL_AVL_ PVT.AVLV_TBL_ TYPE	Yes	Table type of OKL_AE_ TEMPLATES_V records.

CREATE_TEMPLATE

Procedure Specification

Program Unit CREATE_TEMPLATE

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
```

```

x_msg_data          OUT      VARCHAR2,
p_avlv_rec          IN       OKL_AVL_PVT.AVLV_REC_TYPE,
x_avlv_rec          OUT      OKL_AVL_PVT.AVLV_REC_TYPE
);
```

Current Version
1.0

IN Parameters

Table 5–49 CREATE_TEMPLATE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_avlv_rec	OKL_AVL_PVT.AVLV_REC_TYPE	Yes	Record type of OKL_AE_TEMPLATES_V.

OUT Parameters

Table 5–50 CREATE_TEMPLATE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_avlv_rec	OKL_AVL_PVT.AVLV_REC_TYPE	Yes	Record type of OKL_AE_TEMPLATES_V.

5.3.2 CREATE_TMPT_LINES (Overloaded)

This overloaded procedure includes:

- [CREATE_TMPT_LINES](#) on page 5-35
- [CREATE_TMPT_LINES](#) on page 5-36

CREATE_TMPT_LINES

Procedure Specification

```
Program Unit CREATE_TMPT_LINES
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_atlv_tbl              IN      OKL_ATL_PVT.ATLV_TBL_TYPE,
  x_atlv_tbl              OUT     OKL_ATL_PVT.ATLV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–51 CREATE_TMPT_LINES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_atlv_tbl	OKL_ATL_PVT.ATLV_TBL_TYPE	Yes	Table type of OKL_AE_TMPT_LNES_V records.

OUT Parameters

Table 5–52 CREATE_TMPT_LINES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_atlv_tbl	OKL_ATL_PVT.ATLV_TBL_TYPE	Yes	Table type of OKL_AE_TMPT_LNES_V records.

CREATE_TMPT_LINES

Procedure Specification

```
Program Unit CREATE_TMPT_LINES
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_atlv_rec              IN      OKL_ATL_PVT.ATLV_REC_TYPE,
  x_atlv_rec              OUT     OKL_ATL_PVT.ATLV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–53 CREATE_TMPT_LINES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 5–53 CREATE_TMPT_LINES IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_atlv_rec	OKL_ATL_ PVT.ATLV_REC_ TYPE	Yes	Record type of OKL_AE_ TMPT_LNES_V records.

OUT Parameters**Table 5–54 CREATE_TMPT_LINES OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_atlv_rec	OKL_ATL_ PVT.ATLV_REC_ TYPE	Yes	Record type of OKL_AE_ TMPT_LNES_V records.

5.3.3 CREATE_TMPT_SET (Overloaded)

This overloaded procedure includes:

- [CREATE_TMPT_SET](#) on page 5-37
- [CREATE_TMPT_SET](#) on page 5-39
- [CREATE_TMPT_SET](#) on page 5-40

CREATE_TMPT_SET**Procedure Specification**

Program Unit CREATE_TMPT_SET

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
```

```
x_msg_count          OUT      NUMBER,
x_msg_data           OUT      VARCHAR2,
p_aesv_rec           IN       OKL_AES_PVT.AESV_REC_TYPE,
p_avlv_tbl           IN       OKL_AVL_PVT.AVLV_TBL_TYPE,
p_atlv_tbl           IN       OKL_ATL_PVT.ATLV_TBL_TYPE,
x_aesv_rec           OUT      OKL_AES_PVT.AESV_REC_TYPE,
x_avlv_tbl           OUT      OKL_AVL_PVT.AVLV_TBL_TYPE,
x_atlv_tbl           OUT      OKL_ATL_PVT.ATLV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–55 CREATE_TMPT_SET IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aesv_rec	OKL_AES_PVT.AESV_REC_TYPE	Yes	Record type of OKL_AE_TMPT_SETS_V.
p_avlv_tbl	OKL_AVL_PVT.AVLV_TBL_TYPE	Yes	Table type of OKL_AE_TEMPLATES_V records.
p_atlv_tbl	OKL_ATL_PVT.ATLV_TBL_TYPE	Yes	Table type of OKL_AE_TMPT_LNES_V records.

OUT Parameters

Table 5–56 CREATE_TMPT_SET OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Table 5–56 CREATE_TMPT_SET OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_aesv_rec	OKL_AES_PVT.AESV_REC_TYPE	Yes	Record type of OKL_AE_TMPT_SETS_V.
x_avlv_tbl	OKL_AVL_PVT.AVLV_TBL_TYPE	Yes	Table type of OKL_AE_TEMPLATES_V records.
x_atlv_tbl	OKL_ATL_PVT.ATLV_TBL_TYPE	Yes	Table type of OKL_AE_TMPT_LNES_V records.

CREATE_TMPT_SET

Procedure Specification

Program Unit CREATE_TMPT_SET

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_aesv_tbl              IN      OKL_AES_PVT.AESV_TBL_TYPE,
  x_aesv_tbl              OUT     OKL_AES_PVT.AESV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–57 CREATE_TMPT_SET IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aesv_tbl	OKL_AES_PVT.AESV_TBL_TYPE	Yes	Table type of OKL_AE_TMPT_SETS_V records.

OUT Parameters

Table 5–58 CREATE_TMPT_SET OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_aesv_tbl	OKL_AES_PVT.AESV_TBL_TYPE	Yes	Table type of OKL_AE_TMPT_SETS_V records.

CREATE_TMPT_SET

Procedure Specification

```
Program Unit CREATE_TMPT_SET
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_aesv_rec              IN      OKL_AES_PVT.AESV_REC_TYPE,
    x_aesv_rec              OUT     OKL_AES_PVT.AESV_REC_TYPE
);
```

Current Version

1.0

IN Parameters**Table 5–59 CREATE_TMPT_SET IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aesv_rec	OKL_AES_PVT.AESV_REC_TYPE	Yes	Record type of OKL_AE_TMPT_SETS_V.

OUT Parameters**Table 5–60 CREATE_TMPT_SET OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_aesv_rec	OKL_AES_PVT.AESV_REC_TYPE	Yes	Record type of OKL_AE_TMPT_SETS_V.

5.3.4 DELETE_TEMPLATE (Overloaded)

This overloaded procedure includes:

- [DELETE_TEMPLATE](#) on page 5-42
- [DELETE_TEMPLATE](#) on page 5-43

DELETE_TEMPLATE

Procedure Specification

```
Program Unit DELETE_TEMPLATE
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_avlv_tbl            IN      OKL_AVL_PVT.AVLV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–61 DELETE_TEMPLATE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_avlv_tbl	OKL_AVL_PVT.AVLV_TBL_TYPE	Yes	Table type of OKL_AE_TEMPLATES_V records.

OUT Parameters

Table 5–62 DELETE_TEMPLATE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 5–62 DELETE_TEMPLATE OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_TEMPLATE

Procedure Specification

```
Program Unit DELETE_TEMPLATE
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_avlv_rec             IN      OKL_AVL_PVT.AVLV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–63 DELETE_TEMPLATE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_avlv_rec	OKL_AVL_PVT.AVLV_REC_TYPE	Yes	Record type of OKL_AE_TEMPLATES_V.

OUT Parameters

Table 5–64 DELETE_TEMPLATE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

5.3.5 DELETE_TMPT_LINES (Overloaded)

This overloaded procedure includes:

- [DELETE_TMPT_LINES](#) on page 5-44
- [DELETE_TMPT_LINES](#) on page 5-45

DELETE_TMPT_LINES

Procedure Specification

```
Program Unit DELETE_TMPT_LINES
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_atlv_tbl              IN      OKL_ATL_PVT.ATLV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–65 DELETE_TMPT_LINES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_atlv_tbl	OKL_ATL_ PVT.ATLV_TBL_ TYPE	Yes	Table type of OKL_AE_ TMPT_LNES_V records.

OUT Parameters

Table 5–66 DELETE_TMPT_LINES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_TMPT_LINES

Procedure Specification

Program Unit DELETE_TMPT_LINES

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_atlv_rec             IN      OKL_ATL_PVT.ATLV_REC_TYPE
);
```

Current Version

1.0

IN Parameters**Table 5–67 DELETE_TMPT_LINES IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_atlv_rec	OKL_ATL_ PVT.ATLV_REC_ TYPE	Yes	Record type of OKL_AE_ TMPT_LNES_V records.

OUT Parameters**Table 5–68 DELETE_TMPT_LINES OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

5.3.6 DELETE_TMPT_SET (Overloaded)

This overloaded procedure includes:

- [DELETE_TMPT_SET](#) on page 5-47
- [DELETE_TMPT_SET](#) on page 5-48

DELETE_TMPT_SET

Procedure Specification

```
Program Unit DELETE_TMPT_SET
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_aesv_tbl             IN      OKL_AES_PVT.AESV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–69 DELETE_TMPT_SET IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aesv_tbl	OKL_AES_PVT.AESV_TBL_TYPE	Yes	Table type of OKL_AE_TMPT_SETS_V records.

OUT Parameters

Table 5–70 DELETE_TMPT_SET OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 5–70 DELETE_TMPT_SET OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_TMPT_SET

Procedure Specification

```
Program Unit DELETE_TMPT_SET
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_aesv_rec              IN      OKL_AES_PVT.AESV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–71 DELETE_TMPT_SET IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aesv_rec	OKL_AES_PVT.AESV_REC_TYPE	Yes	Record type of OKL_AE_TMPT_SETS_V.

OUT Parameters

Table 5–72 DELETE_TMPT_SET OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

5.3.7 LOCK_TEMPLATE (Overloaded)

This overloaded procedure includes:

- [LOCK_TEMPLATE](#) on page 5-49
- [LOCK_TEMPLATE](#) on page 5-50

LOCK_TEMPLATE

Procedure Specification

```
Program Unit LOCK_TEMPLATE
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_avlv_tbl              IN      OKL_AVL_PVT.AVLV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–73 LOCK_TEMPLATE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_avlv_tbl	OKL_AVL_PVT.AVLV_TBL_TYPE	Yes	Table type of OKL_AE_TEMPLATES_V records.

OUT Parameters

Table 5–74 LOCK_TEMPLATE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_TEMPLATE

Procedure Specification

```
Program Unit LOCK_TEMPLATE
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_avlv_rec              IN      OKL_AVL_PVT.AVLV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–75 LOCK_TEMPLATE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_avlv_rec	OKL_AVL_PVT.AVLV_REC_TYPE	Yes	Record type of OKL_AE_TEMPLATES_V.

OUT Parameters

Table 5–76 LOCK_TEMPLATE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

5.3.8 LOCK_TMPT_LINES (Overloaded)

LOCK_TMPT_LINES

Procedure Specification

Program Unit LOCK_TMPT_LINES

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
```

```

    p_atlv_tbl                IN      OKL_ATL_PVT.ATLV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5-77 LOCK_TMPT_LINES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_atlv_tbl	OKL_ATL_PVT.ATLV_TBL_TYPE	Yes	Table type of OKL_AE_TMPT_LNES_V records.

OUT Parameters

Table 5-78 LOCK_TMPT_LINES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_TMPT_LINES

Procedure Specification

```

Program Unit LOCK_TMPT_LINES
(
    p_api_version                IN      NUMBER,
    p_init_msg_list              IN      VARCHAR2,
    x_return_status              OUT     VARCHAR2,
```



```

x_msg_count          OUT      NUMBER,
x_msg_data           OUT      VARCHAR2,
p_atlv_rec           IN       OKL_ATL_PVT.ATLV_REC_TYPE
);

```

Current Version

1.0

IN Parameters

Table 5–79 LOCK_TMPT_LINES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_atlv_rec	OKL_ATL_PVT.ATLV_REC_TYPE	Yes	Record type of OKL_AE_TMPT_LNES_V records.

OUT Parameters

Table 5–80 LOCK_TMPT_LINES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

5.3.9 LOCK_TMPT_SET (Overloaded)

This overloaded procedure includes:

- [LOCK_TMPT_SET](#) on page 5-54
- [LOCK_TMPT_SET](#) on page 5-55

LOCK_TMPT_SET

Procedure Specification

```
Program Unit LOCK_TMPT_SET
(
    p_api_version          IN          NUMBER,
    p_init_msg_list        IN          VARCHAR2,
    x_return_status        OUT         VARCHAR2,
    x_msg_count            OUT         NUMBER,
    x_msg_data             OUT         VARCHAR2,
    p_aesv_tbl             IN          OKL_AES_PVT.AESV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–81 LOCK_TMPT_SET IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aesv_tbl	OKL_AES_PVT.AESV_TBL_TYPE	Yes	Table type of OKL_AE_TMPT_SETS_V records.

OUT Parameters

Table 5–82 LOCK_TMPT_SET OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 5–82 LOCK_TMPT_SET OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_TMPT_SET

Procedure Specification

```
Program Unit LOCK_TMPT_SET
(
    p_api_version          IN      NUMBER,
    p_init_msg_list       IN      VARCHAR2,
    x_return_status       OUT     VARCHAR2,
    x_msg_count           OUT     NUMBER,
    x_msg_data            OUT     VARCHAR2,
    p_aesv_rec            IN      OKL_AES_PVT.AESV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–83 LOCK_TMPT_SET IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aesv_rec	OKL_AES_PVT.AESV_REC_TYPE	Yes	Record type of OKL_AE_TMPT_SETS_V.

OUT Parameters

Table 5–84 LOCK_TMPT_SET OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

5.3.10 UPDATE_TEMPLATE (Overloaded)

This overloaded procedure includes:

- [UPDATE_TEMPLATE](#) on page 5-56
- [UPDATE_TEMPLATE](#) on page 5-57

UPDATE_TEMPLATE

Procedure Specification

```
Program Unit UPDATE_TEMPLATE
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_avlv_tbl              IN      OKL_AVL_PVT.AVLV_TBL_TYPE,
    x_avlv_tbl              OUT     OKL_AVL_PVT.AVLV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–85 UPDATE_TEMPLATE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_avlv_tbl	OKL_AVL_ PVT.AVLV_TBL_ TYPE	Yes	Table type of OKL_AE_ TEMPLATES_V records.

OUT Parameters

Table 5–86 UPDATE_TEMPLATE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_avlv_tbl	OKL_AVL_ PVT.AVLV_TBL_ TYPE	Yes	Table type of OKL_AE_ TEMPLATES_V records.

UPDATE_TEMPLATE

Procedure Specification

Program Unit UPDATE_TEMPLATE

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_avlv_rec             IN      OKL_AVL_PVT.AVLV_REC_TYPE,
  x_avlv_rec             OUT     OKL_AVL_PVT.AVLV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–87 UPDATE_TEMPLATE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_avlv_rec	OKL_AVL_PVT.AVLV_REC_TYPE	Yes	Record type of OKL_AE_TEMPLATES_V.

OUT Parameters

Table 5–88 UPDATE_TEMPLATE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_avlv_rec	OKL_AVL_PVT.AVLV_REC_TYPE	Yes	Record type of OKL_AE_TEMPLATES_V.

5.3.11 UPDATE_TMPT_LINES (Overloaded)

This overloaded procedure includes:

- [UPDATE_TMPT_LINES](#) on page 5-59
- [UPDATE_TMPT_LINES](#) on page 5-60

UPDATE_TMPT_LINES

Procedure Specification

```
Program Unit UPDATE_TMPT_LINES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_atlv_tbl             IN      OKL_ATL_PVT.ATLV_TBL_TYPE,
  x_atlv_tbl             OUT     OKL_ATL_PVT.ATLV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–89 UPDATE_TMPT_LINES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_atlv_tbl	OKL_ATL_PVT.ATLV_TBL_TYPE	Yes	Table type of OKL_AE_TMPT_LNES_V records.

OUT Parameters

Table 5–90 UPDATE_TMPT_LINES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 5–90 UPDATE_TMPT_LINES OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_atlv_tbl	OKL_ATL_PVT.ATLV_TBL_TYPE	Yes	Table type of OKL_AE_TMPT_LNES_V records.

UPDATE_TMPT_LINES

Procedure Specification

```
Program Unit UPDATE_TMPT_LINES
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_atlv_rec              IN      OKL_ATL_PVT.ATLV_REC_TYPE,
  x_atlv_rec              OUT     OKL_ATL_PVT.ATLV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–91 UPDATE_TMPT_LINES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_atlv_rec	OKL_ATL_PVT.ATLV_REC_TYPE	Yes	Record type of OKL_AE_TMPT_LNES_V records.

OUT Parameters

Table 5–92 UPDATE_TMPT_LINES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_atlv_rec	OKL_ATL_PVT.ATLV_REC_TYPE	Yes	Record type of OKL_AE_TMPT_LNES_V records.

5.3.12 UPDATE_TMPT_SET (Overloaded)

This overloaded procedure includes:

- [UPDATE_TMPT_SET](#) on page 5-61
- [UPDATE_TMPT_SET](#) on page 5-63
- [UPDATE_TMPT_SET](#) on page 5-64

UPDATE_TMPT_SET

Procedure Specification

Program Unit UPDATE_TMPT_SET

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_aesv_rec            IN      OKL_AES_PVT.AESV_REC_TYPE,
  p_avlv_tbl            IN      OKL_AVL_PVT.AVLV_TBL_TYPE,
  p_atlv_tbl            IN      OKL_ATL_PVT.ATLV_TBL_TYPE,
  x_aesv_rec            OUT     OKL_AES_PVT.AESV_REC_TYPE,
  x_avlv_tbl            OUT     OKL_AVL_PVT.AVLV_TBL_TYPE,
  x_atlv_tbl            OUT     OKL_ATL_PVT.ATLV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters**Table 5–93 UPDATE_TMPT_SET IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aesv_rec	OKL_AES_PVT.AESV_REC_TYPE	Yes	Record type of OKL_AE_TMPT_SETS_V.
p_avlv_tbl	OKL_AVL_PVT.AVLV_TBL_TYPE	Yes	Table type of OKL_AE_TEMPLATES_V records.
p_atlv_tbl	OKL_ATL_PVT.ATLV_TBL_TYPE	Yes	Table type of OKL_AE_TMPT_LNES_V records.

OUT Parameters**Table 5–94 UPDATE_TMPT_SET OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_aesv_rec	OKL_AES_PVT.AESV_REC_TYPE	Yes	Record type of OKL_AE_TMPT_SETS_V.
x_avlv_tbl	OKL_AVL_PVT.AVLV_TBL_TYPE	Yes	Table type of OKL_AE_TEMPLATES_V records.

Table 5–94 UPDATE_TMPT_SET OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_atlv_tbl	OKL_ATL_ PVT.ATLV_TBL_ TYPE	Yes	Table type of OKL_AE_ TMPT_LNES_V records.

UPDATE_TMPT_SET

Procedure Specification

Program Unit UPDATE_TMPT_SET

```
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_aesv_tbl              IN      OKL_AES_PVT.AESV_TBL_TYPE,
    x_aesv_tbl              OUT     OKL_AES_PVT.AESV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–95 UPDATE_TMPT_SET IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aesv_tbl	OKL_AES_ PVT.AESV_TBL_ TYPE	Yes	Table type of OKL_AE_ TMPT_SETS_V records.

OUT Parameters

Table 5–96 UPDATE_TMPT_SET OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_aesv_tbl	OKL_AES_PVT.AESV_TBL_TYPE	Yes	Table type of OKL_AE_TMPT_SETS_V records.

UPDATE_TMPT_SET

Procedure Specification

```
Program Unit UPDATE_TMPT_SET
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_aesv_rec              IN      OKL_AES_PVT.AESV_REC_TYPE,
    x_aesv_rec              OUT     OKL_AES_PVT.AESV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–97 UPDATE_TMPT_SET IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 5–97 UPDATE_TMPT_SET IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aesv_rec	OKL_AES_PVT.AESV_REC_TYPE	Yes	Record type of OKL_AE_TMPT_SETS_V.

OUT Parameters**Table 5–98 UPDATE_TMPT_SET OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_aesv_rec	OKL_AES_PVT.AESV_REC_TYPE	Yes	Record type of OKL_AE_TMPT_SETS_V.

5.3.13 VALIDATE_TEMPLATE (Overloaded)

This overloaded procedure includes:

- [VALIDATE_TEMPLATE](#) on page 5-65
- [VALIDATE_TEMPLATE](#) on page 5-66

VALIDATE_TEMPLATE**Procedure Specification**

Program Unit VALIDATE_TEMPLATE

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
```

```
    p_avlv_tbl                IN      OKL_AVL_PVT.AVLV_TBL_TYPE
);
```

Current Version
1.0

IN Parameters

Table 5–99 *VALIDATE_TEMPLATE IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_avlv_tbl	OKL_AVL_PVT.AVLV_TBL_TYPE	Yes	Table type of OKL_AE_TEMPLATES_V records.

OUT Parameters

Table 5–100 *VALIDATE_TEMPLATE OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_TEMPLATE

Procedure Specification

```
Program Unit VALIDATE_TEMPLATE
(
    p_api_version                IN      NUMBER,
    p_init_msg_list              IN      VARCHAR2,
    x_return_status              OUT     VARCHAR2,
```

```

x_msg_count          OUT      NUMBER,
x_msg_data           OUT      VARCHAR2,
p_avlv_rec           IN       OKL_AVL_PVT.AVLV_REC_TYPE
);

```

Current Version

1.0

IN Parameters

Table 5–101 *VALIDATE_TEMPLATE IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_avlv_rec	OKL_AVL_PVT.AVLV_REC_TYPE	Yes	Record type of OKL_AE_TEMPLATES_V.

OUT Parameters

Table 5–102 *VALIDATE_TEMPLATE OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

5.3.14 VALIDATE_TMPT_LINES (Overloaded)

This overloaded procedure includes:

- [VALIDATE_TMPT_LINES](#) on page 5-68
- [VALIDATE_TMPT_LINES](#) on page 5-69

VALIDATE_TMPT_LINES

Procedure Specification

```
Program Unit VALIDATE_TMPT_LINES
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_atlv_tbl             IN      OKL_ATL_PVT.ATLV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–103 VALIDATE_TMPT_LINES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_atlv_tbl	OKL_ATL_PVT.ATLV_TBL_TYPE	Yes	Table type of OKL_AE_TMPT_LNES_V records.

OUT Parameters

Table 5–104 VALIDATE_TMPT_LINES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 5–104 VALIDATE_TMPT_LINES OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_TMPT_LINES

Procedure Specification

Program Unit VALIDATE_TMPT_LINES

```
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_atlv_rec             IN      OKL_ATL_PVT.ATLV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–105 VALIDATE_TMPT_LINES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_atlv_rec	OKL_ATL_PVT.ATLV_REC_TYPE	Yes	Record type of OKL_AE_TMPT_LNES_V records.

OUT Parameters

Table 5–106 VALIDATE_TMPT_LINES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

5.3.15 VALIDATE_TMPT_SET (Overloaded)

This overloaded procedure includes:

- [VALIDATE_TMPT_SET](#) on page 5-70
- [VALIDATE_TMPT_SET](#) on page 5-71
- [VALIDATE_TMPT_SET](#) on page 5-72

VALIDATE_TMPT_SET

Procedure Specification

```
Program Unit VALIDATE_TMPT_SET
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_aesv_rec              IN      OKL_AES_PVT.AESV_REC_TYPE,
    p_avlv_tbl              IN      OKL_AVL_PVT.AVLV_TBL_TYPE,
    p_atlv_tbl              IN      OKL_ATL_PVT.ATLV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–107 VALIDATE_TMPT_SET IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aesv_rec	OKL_AES_ PVT.AESV_REC_ TYPE	Yes	Record type of OKL_AE_ TMPT_SETS_V.
p_avlv_tbl	OKL_AVL_ PVT.AVLV_TBL_ TYPE	Yes	Table type of OKL_AE_ TEMPLATES_V records.
p_atlv_tbl	OKL_ATL_ PVT.ATLV_TBL_ TYPE	Yes	Table type of OKL_AE_ TMPT_LNES_V records.

OUT Parameters

Table 5–108 VALIDATE_TMPT_SET OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_TMPT_SET

Procedure Specification

Program Unit VALIDATE_TMPT_SET

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
```

```

    x_msg_data          OUT      VARCHAR2,
    p_aesv_tbl          IN       OKL_AES_PVT.AESV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 5–109 VALIDATE_TMPT_SET IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aesv_tbl	OKL_AES_PVT.AESV_TBL_TYPE	Yes	Table type of OKL_AE_TMPT_SETS_V records.

OUT Parameters

Table 5–110 VALIDATE_TMPT_SET OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_TMPT_SET

Procedure Specification

```

Program Unit VALIDATE_TMPT_SET
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
```

```

x_return_status      OUT      VARCHAR2,
x_msg_count          OUT      NUMBER,
x_msg_data           OUT      VARCHAR2,
p_aesv_rec           IN       OKL_AES_PVT.AESV_REC_TYPE
);

```

Current Version

1.0

IN Parameters

Table 5–111 *VALIDATE_TMPT_SET IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aesv_rec	OKL_AES_PVT.AESV_REC_TYPE	Yes	Record type of OKL_AE_TMPT_SETS_V.

OUT Parameters

Table 5–112 *VALIDATE_TMPT_SET OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Account Generator APIs

The following are public packages of Account Generator APIs in Oracle Lease Management:

- [Package OKL_ACCT_GEN_RULE_PUB](#) on page 6-2
- [Package OKL_ACC_GEN_RULE_PUB](#) on page 6-5

For information about all table and record type parameters, see [Appendix A, "API Data Structure Specifications"](#).

6.1 Package OKL_ACCT_GEN_RULE_PUB

This package contains the following procedures:

- [GET_RULE_LINES](#) on page 6-2
- [GET_RULE_LINES_COUNT](#) on page 6-3
- [UPDT_RULE_LINES](#) on page 6-4

6.1.1 GET_RULE_LINES

Procedure Specification

Program Unit GET_RULE_LINES

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_ae_line_type          IN      VARCHAR2,
  x_acc_lines             OUT     OKL_ACCT_GEN_RULE_PVT.ACC_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 6–1 GET_RULE_LINES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ae_line_type	VARCHAR2	Yes	Accounting entry line type.

OUT Parameters

Table 6–2 GET_RULE_LINES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_acc_lines	OKL_ACCT_GEN_RULE_PVT.ACCT_TBL_TYPE	Yes	Table type for view OKL_ACCT_GEN_RULES_V.

6.1.2 GET_RULE_LINES_COUNT

Procedure Specification

Program Unit GET_RULE_LINES_COUNT

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_ae_line_type         IN      VARCHAR2,
  x_line_count           OUT     NUMBER
);
```

Current Version

1.0

IN Parameters

Table 6–3 GET_RULE_LINES_COUNT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 6–3 GET_RULE_LINES_COUNT IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ae_line_type	VARCHAR2	Yes	Accounting entry line type.

OUT Parameters

Table 6–4 GET_RULE_LINES_COUNT OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_line_count	NUMBER	Yes	Number of Account Generator rule count.

6.1.3 UPDT_RULE_LINES

Procedure Specification

```
Program Unit UPDT_RULE_LINES
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_acc_lines             IN      OKL_ACCT_GEN_RULE_PVT.ACCT_TBL_TYPE,
  x_acc_lines             OUT     OKL_ACCT_GEN_RULE_PVT.ACCT_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 6–5 UPDT_RULE_LINES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_acc_lines	OKL_ACCT_GEN_RULE_PVT.ACCT_TBL_TYPE	Yes	Table type for view OKL_ACCT_GEN_RULES_V.

OUT Parameters

Table 6–6 UPDT_RULE_LINES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_acc_lines	OKL_ACCT_GEN_RULE_PVT.ACCT_TBL_TYPE	Yes	Table type for view OKL_ACCT_GEN_RULES_V.

6.2 Package OKL_ACC_GEN_RULE_PUB

This package contains the following procedures:

- [CREATE_ACC_GEN_RULE \(Overloaded\)](#) on page 6-6
- [CREATE_ACC_GEN_RULE_LNS \(Overloaded\)](#) on page 6-10
- [DELETE_ACC_GEN_RULE \(Overloaded\)](#) on page 6-12
- [DELETE_ACC_GEN_RULE_LNS \(Overloaded\)](#) on page 6-15
- [LOCK_ACC_GEN_RULE \(Overloaded\)](#) on page 6-17
- [LOCK_ACC_GEN_RULE_LNS \(Overloaded\)](#) on page 6-20

- [UPDATE_ACC_GEN_RULE \(Overloaded\)](#) on page 6-22
- [UPDATE_ACC_GEN_RULE_LNS \(Overloaded\)](#) on page 6-27
- [VALIDATE_ACC_GEN_RULE \(Overloaded\)](#) on page 6-30
- [VALIDATE_ACC_GEN_RULE_LNS \(Overloaded\)](#) on page 6-32

6.2.1 CREATE_ACC_GEN_RULE (Overloaded)

This overloaded procedure includes:

- [CREATE_ACC_GEN_RULE](#) on page 6-6
- [CREATE_ACC_GEN_RULE](#) on page 6-7
- [CREATE_ACC_GEN_RULE](#) on page 6-9

CREATE_ACC_GEN_RULE

Procedure Specification

Program Unit CREATE_ACC_GEN_RULE

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_agrv_rec             IN      OKL_AGR_PVT.AGRV_REC_TYPE,
  p_aulv_tbl             IN      OKL_AUL_PVT.AULV_TBL_TYPE,
  x_agrv_rec             OUT     OKL_AGR_PVT.AGRV_REC_TYPE,
  x_aulv_tbl             OUT     OKL_AUL_PVT.AULV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 6–7 CREATE_ACC_GEN_RULE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_agrv_rec	OKL_AGR_PVT.AGRV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RULES_V.
p_aulv_tbl	OKL_AUL_PVT.AULV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RUL_LNS_V.

OUT Parameters

Table 6–8 CREATE_ACC_GEN_RULE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_agrv_rec	OKL_AGR_PVT.AGRV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RULES_V.
x_aulv_tbl	OKL_AUL_PVT.AULV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RUL_LNS_V.

CREATE_ACC_GEN_RULE

Procedure Specification

Program Unit CREATE_ACC_GEN_RULE

```
(
    p_api_version          IN          NUMBER,
```

```
p_init_msg_list          IN      VARCHAR2,
x_return_status          OUT     VARCHAR2,
x_msg_count              OUT     NUMBER,
x_msg_data               OUT     VARCHAR2,
p_agrv_tbl               IN      OKL_AGR_PVT.AGRV_TBL_TYPE,
x_agrv_tbl               OUT     OKL_AGR_PVT.AGRV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 6–9 CREATE_ACC_GEN_RULE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_agrv_tbl	OKL_AGR_PVT.AGRV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RULES_V.

OUT Parameters

Table 6–10 CREATE_ACC_GEN_RULE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_agrv_tbl	OKL_AGR_PVT.AGRV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RULES_V.

CREATE_ACC_GEN_RULE

Procedure Specification

Program Unit CREATE_ACC_GEN_RULE

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_agrv_rec             IN      OKL_AGR_PVT.AGRV_REC_TYPE,
  x_agrv_rec             OUT     OKL_AGR_PVT.AGRV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 6–11 CREATE_ACC_GEN_RULE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_agrv_rec	OKL_AGR_PVT.AGRV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RULES_V.

OUT Parameters

Table 6–12 CREATE_ACC_GEN_RULE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 6–12 CREATE_ACC_GEN_RULE OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_agrv_rec	OKL_AGR_PVT.AGRV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RULES_V.

6.2.2 CREATE_ACC_GEN_RULE_LNS (Overloaded)

This overloaded procedure includes:

- [CREATE_ACC_GEN_RULE_LNS](#) on page 6-10
- [CREATE_ACC_GEN_RULE_LNS](#) on page 6-11

CREATE_ACC_GEN_RULE_LNS

Procedure Specification

```
Program Unit CREATE_ACC_GEN_RULE_LNS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_aulv_tbl             IN      OKL_AUL_PVT.AULV_TBL_TYPE,
  x_aulv_tbl             OUT     OKL_AUL_PVT.AULV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 6–13 CREATE_ACC_GEN_RULE_LNS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 6–13 CREATE_ACC_GEN_RULE_LNS IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aulv_tbl	OKL_AUL_PVT.AULV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RUL_LNS_V.

OUT Parameters

Table 6–14 CREATE_ACC_GEN_RULE_LNS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_aulv_tbl	OKL_AUL_PVT.AULV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RUL_LNS_V.

CREATE_ACC_GEN_RULE_LNS

Procedure Specification

Program Unit CREATE_ACC_GEN_RULE_LNS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_aulv_rec             IN      OKL_AUL_PVT.AULV_REC_TYPE,
  x_aulv_rec             OUT     OKL_AUL_PVT.AULV_REC_TYPE
);
```

Current Version

1.0

IN Parameters**Table 6–15 CREATE_ACC_GEN_RULE_LNS IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aulv_rec	OKL_AUL_PVT.AULV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RUL_LNS_V.

OUT Parameters**Table 6–16 CREATE_ACC_GEN_RULE_LNS OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_aulv_rec	OKL_AUL_PVT.AULV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RUL_LNS_V.

6.2.3 DELETE_ACC_GEN_RULE (Overloaded)

This overloaded procedure includes:

- [DELETE_ACC_GEN_RULE](#) on page 6-13
- [DELETE_ACC_GEN_RULE](#) on page 6-14

DELETE_ACC_GEN_RULE

Procedure Specification

Program Unit DELETE_ACC_GEN_RULE

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_agrv_tbl            IN      OKL_AGR_PVT.AGRV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 6–17 DELETE_ACC_GEN_RULE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_agrv_tbl	OKL_AGR_PVT.AGRV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RULES_V.

OUT Parameters

Table 6–18 DELETE_ACC_GEN_RULE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 6–18 DELETE_ACC_GEN_RULE OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_ACC_GEN_RULE

Procedure Specification

```
Program Unit DELETE_ACC_GEN_RULE
(
    p_api_version           IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_agrv_rec             IN      OKL_AGR_PVT.AGRV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 6–19 DELETE_ACC_GEN_RULE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_agrv_rec	OKL_AGR_PVT.AGRV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RULES_V.

OUT Parameters

Table 6–20 *DELETE_ACC_GEN_RULE OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

6.2.4 DELETE_ACC_GEN_RULE_LNS (Overloaded)

This overloaded procedure includes:

- [DELETE_ACC_GEN_RULE_LNS](#) on page 6-15
- [DELETE_ACC_GEN_RULE_LNS](#) on page 6-16

DELETE_ACC_GEN_RULE_LNS

Procedure Specification

```

Program Unit DELETE_ACC_GEN_RULE_LNS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_aulv_tbl            IN      OKL_AUL_PVT.AULV_TBL_TYPE
);

```

Current Version

1.0

IN Parameters

Table 6–21 DELETE_ACC_GEN_RULE_LNS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aulv_tbl	OKL_AUL_PVT.AULV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RUL_LNS_V.

OUT Parameters

Table 6–22 DELETE_ACC_GEN_RULE_LNS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_ACC_GEN_RULE_LNS

Procedure Specification

```
Program Unit DELETE_ACC_GEN_RULE_LNS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_aulv_rec              IN      OKL_AUL_PVT.AULV_REC_TYPE
);
```

Current Version

1.0

IN Parameters**Table 6–23 DELETE_ACC_GEN_RULE_LNS IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aulv_rec	OKL_AUL_PVT.AULV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RUL_LNS_V.

OUT Parameters**Table 6–24 DELETE_ACC_GEN_RULE_LNS OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

6.2.5 LOCK_ACC_GEN_RULE (Overloaded)

This overloaded procedure includes:

- [LOCK_ACC_GEN_RULE](#) on page 6-17
- [LOCK_ACC_GEN_RULE](#) on page 6-19

LOCK_ACC_GEN_RULE**Procedure Specification**

Program Unit LOCK_ACC_GEN_RULE

(

```
p_api_version          IN      NUMBER,
p_init_msg_list        IN      VARCHAR2,
x_return_status        OUT     VARCHAR2,
x_msg_count            OUT     NUMBER,
x_msg_data             OUT     VARCHAR2,
p_agrv_tbl            IN      OKL_AGR_PVT.AGRV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 6–25 LOCK_ACC_GEN_RULE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_agrv_tbl	OKL_AGR_PVT.AGRV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RULES_V.

OUT Parameters

Table 6–26 LOCK_ACC_GEN_RULE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_ACC_GEN_RULE

Procedure Specification

Program Unit LOCK_ACC_GEN_RULE

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_agrv_rec             IN      OKL_AGR_PVT.AGRV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 6–27 LOCK_ACC_GEN_RULE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_agrv_rec	OKL_AGR_PVT.AGRV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RULES_V.

OUT Parameters

Table 6–28 LOCK_ACC_GEN_RULE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 6–28 LOCK_ACC_GEN_RULE OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

6.2.6 LOCK_ACC_GEN_RULE_LNS (Overloaded)

This overloaded procedure includes:

- [LOCK_ACC_GEN_RULE_LNS](#) on page 6-20
- [LOCK_ACC_GEN_RULE_LNS](#) on page 6-21

LOCK_ACC_GEN_RULE_LNS

Procedure Specification

```
Program Unit LOCK_ACC_GEN_RULE_LNS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_aulv_tbl              IN      OKL_AUL_PVT.AULV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 6–29 LOCK_ACC_GEN_RULE_LNS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 6–29 LOCK_ACC_GEN_RULE_LNS IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_aulv_tbl	OKL_AUL_PVT.AULV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RUL_LNS_V.

OUT Parameters

Table 6–30 LOCK_ACC_GEN_RULE_LNS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_ACC_GEN_RULE_LNS

Procedure Specification

```

Program Unit LOCK_ACC_GEN_RULE_LNS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_aulv_rec              IN      OKL_AUL_PVT.AULV_REC_TYPE
);

```

Current Version

1.0

IN Parameters

Table 6–31 LOCK_ACC_GEN_RULE_LNS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aulv_rec	OKL_AUL_PVT.AULV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RUL_LNS_V.

OUT Parameters

Table 6–32 LOCK_ACC_GEN_RULE_LNS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

6.2.7 UPDATE_ACC_GEN_RULE (Overloaded)

This overloaded procedure includes:

- [UPDATE_ACC_GEN_RULE](#) on page 6-22
- [UPDATE_ACC_GEN_RULE](#) on page 6-24
- [UPDATE_ACC_GEN_RULE](#) on page 6-25
- [UPDATE_ACC_GEN_RULE](#) on page 6-26

UPDATE_ACC_GEN_RULE

Procedure Specification

```
Program Unit UPDATE_ACC_GEN_RULE
(  

```

```

p_api_version          IN      NUMBER,
p_init_msg_list        IN      VARCHAR2,
x_return_status        OUT     VARCHAR2,
x_msg_count            OUT     NUMBER,
x_msg_data             OUT     VARCHAR2,
p_agrv_rec             IN      OKL_AGR_PVT.AGRV_REC_TYPE,
p_aulv_tbl            IN      OKL_AUL_PVT.AULV_TBL_TYPE,
x_agrv_rec            OUT     OKL_AGR_PVT.AGRV_REC_TYPE,
x_aulv_tbl            OUT     OKL_AUL_PVT.AULV_TBL_TYPE
);

```

Current Version

1.0

IN Parameters

Table 6–33 UPDATE_ACC_GEN_RULE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_agrv_rec	OKL_AGR_PVT.AGRV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RULES_V.
p_aulv_tbl	OKL_AUL_PVT.AULV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RUL_LNS_V

OUT Parameters

Table 6–34 UPDATE_ACC_GEN_RULE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 6–34 UPDATE_ACC_GEN_RULE OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_agrv_rec	OKL_AGR_PVT.AGRV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RULES_V.
x_aulv_tbl	OKL_AUL_PVT.AULV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RUL_LNS_V.

UPDATE_ACC_GEN_RULE

Procedure Specification

```
Program Unit UPDATE_ACC_GEN_RULE
(
    p_api_version           IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_agrv_tbl             IN      OKL_AGR_PVT.AGRV_TBL_TYPE,
    x_agrv_tbl             OUT     OKL_AGR_PVT.AGRV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 6–35 UPDATE_ACC_GEN_RULE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 6–35 UPDATE_ACC_GEN_RULE IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_agrv_tbl	OKL_AGR_PVT.AGRV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RULES_V.

OUT Parameters

Table 6–36 UPDATE_ACC_GEN_RULE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_agrv_tbl	OKL_AGR_PVT.AGRV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RULES_V.

UPDATE_ACC_GEN_RULE

Procedure Specification

Program Unit UPDATE_ACC_GEN_RULE

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_agrv_rec              IN      OKL_AGR_PVT.AGRV_REC_TYPE,
  x_agrv_rec              OUT     OKL_AGR_PVT.AGRV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 6–37 UPDATE_ACC_GEN_RULE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_agrv_rec	OKL_AGR_PVT.AGRV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RULES_V.

OUT Parameters

Table 6–38 UPDATE_ACC_GEN_RULE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_agrv_rec	OKL_AGR_PVT.AGRV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RULES_V.

UPDATE_ACC_GEN_RULE

Procedure Specification

```
Program Unit UPDATE_ACC_GEN_RULE_INS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_aulv_tbl            IN      OKL_AUL_PVT.AULV_TBL_TYPE,
    x_aulv_tbl            OUT     OKL_AUL_PVT.AULV_TBL_TYPE
);
```


Current Version

1.0

IN Parameters**Table 6–39 UPDATE_ACC_GEN_RULE_LNS IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aulv_tbl	OKL_AUL_PVT.AULV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RUL_LNS_V.

OUT Parameters**Table 6–40 UPDATE_ACC_GEN_RULE_LNS OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_aulv_tbl	OKL_AUL_PVT.AULV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RUL_LNS_V.

6.2.8 UPDATE_ACC_GEN_RULE_LNS (Overloaded)

This overloaded procedure includes:

- [UPDATE_ACC_GEN_RULE_LNS](#) on page 6-28
- [UPDATE_ACC_GEN_RULE_LNS](#) on page 6-29

UPDATE_ACC_GEN_RULE_LNS

Procedure Specification

```
Program Unit UPDATE_ACC_GEN_RULE_LNS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_aulv_rec             IN      OKL_AUL_PVT.AULV_REC_TYPE,
  x_aulv_rec             OUT     OKL_AUL_PVT.AULV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 6–41 UPDATE_ACC_GEN_RULE_LNS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aulv_rec	OKL_AUL_PVT.AULV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RUL_LNS_V.

OUT Parameters

Table 6–42 UPDATE_ACC_GEN_RULE_LNS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 6–42 UPDATE_ACC_GEN_RULE_LNS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_aulv_rec	OKL_AUL_PVT.AULV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RUL_LNS_V.

UPDATE_ACC_GEN_RULE_LNS

Procedure Specification

Program Unit VALIDATE_ACC_GEN_RULE

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_agrv_rec            IN      OKL_AGR_PVT.AGRV_REC_TYPE,
  p_aulv_tbl            IN      OKL_AUL_PVT.AULV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 6–43 VALIDATE_ACC_GEN_RULE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_agrv_rec	OKL_AGR_PVT.AGRV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RULES_V.

Table 6–43 VALIDATE_ACC_GEN_RULE IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_aulv_tbl	OKL_AUL_PVT.AULV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RUL_LNS_V.

OUT Parameters

Table 6–44 VALIDATE_ACC_GEN_RULE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

6.2.9 VALIDATE_ACC_GEN_RULE (Overloaded)

This overloaded procedure includes:

- [VALIDATE_ACC_GEN_RULE](#) on page 6-30
- [VALIDATE_ACC_GEN_RULE](#) on page 6-31

VALIDATE_ACC_GEN_RULE

Procedure Specification

```
Program Unit VALIDATE_ACC_GEN_RULE
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_agrv_tbl              IN      OKL_AGR_PVT.AGRV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 6–45 *VALIDATE_ACC_GEN_RULE IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_agrv_tbl	OKL_AGR_PVT.AGRV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RULES_V.

OUT Parameters

Table 6–46 *VALIDATE_ACC_GEN_RULE OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_ACC_GEN_RULE

Procedure Specification

Program Unit VALIDATE_ACC_GEN_RULE

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_agrv_rec             IN      OKL_AGR_PVT.AGRV_REC_TYPE
);
```

Current Version

1.0

IN Parameters**Table 6–47** *VALIDATE_ACC_GEN_RULE IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_agrv_rec	OKL_AGR_PVT.AGRV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RULES_V.

OUT Parameters**Table 6–48** *VALIDATE_ACC_GEN_RULE OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

6.2.10 VALIDATE_ACC_GEN_RULE_LNS (Overloaded)

This overloaded procedure includes:

- [VALIDATE_ACC_GEN_RULE_LNS](#) on page 6-33
- [VALIDATE_ACC_GEN_RULE_LNS](#) on page 6-34

VALIDATE_ACC_GEN_RULE_LNS

Procedure Specification

```

Program Unit VALIDATE_ACC_GEN_RULE_LNS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_aulv_tbl              IN      OKL_AUL_PVT.AULV_TBL_TYPE
);

```

Current Version

1.0

IN Parameters

Table 6–49 VALIDATE_ACC_GEN_RULE_LNS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aulv_tbl	OKL_AUL_PVT.AULV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RUL_LNS_V.

OUT Parameters

Table 6–50 VALIDATE_ACC_GEN_RULE_LNS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 6–50 VALIDATE_ACC_GEN_RULE_LNS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_ACC_GEN_RULE_LNS

Procedure Specification

```
Program Unit VALIDATE_ACC_GEN_RULE_LNS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_aulv_rec              IN      OKL_AUL_PVT.AULV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 6–51 VALIDATE_ACC_GEN_RULE_LNS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aulv_rec	OKL_AUL_PVT.AULV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RUL_LNS_V.

OUT Parameters

Table 6–52 *VALIDATE_ACC_GEN_RULE_LNS OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Define Financial Product APIs

The following are public packages of Define Financial Product APIs in Oracle Lease Management:

- [Package OKL_SETUPOPTIONS_PUB](#) on page 7-2
- [Package OKL_SETUPOPTVALUES_PUB](#) on page 7-5
- [Package OKL_SETUPPDTTEMPLATES_PUB](#) on page 7-9
- [Package OKL_SETUPPQUALITYS_PUB](#) on page 7-13
- [Package OKL_SETUPPQYVALUES_PUB](#) on page 7-17
- [Package OKL_SETUPPRODUCTS_PUB](#) on page 7-21
- [Package OKL_SETUPTQUALITYS_PUB](#) on page 7-24
- [Package OKL_SETUPTQYVALUES_PUB](#) on page 7-28

For information about all table and record type parameters, see [Appendix A, "API Data Structure Specifications"](#).

7.1 Package OKL_SETUPOPTIONS_PUB

This package contains the following procedures:

- [GET_REC](#) on page 7-2
- [INSERT_OPTIONS](#) on page 7-3
- [UPDATE_OPTIONS](#) on page 7-4

7.1.1 GET_REC

Procedure Specification

```
Program Unit GET_REC
(
    p_optv_rec                IN      OKL_OPT_PVT.OPTV_REC_TYPE,
    x_return_status           OUT     VARCHAR2,
    x_msg_data                OUT     VARCHAR2,
    x_no_data_found           OUT     PL/SQL BOOLEAN,
    x_optv_rec                OUT     OKL_OPT_PVT.OPTV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 7–1 GET_REC IN Parameters

Parameter	Data Type	Required	Description and Validation
p_optv_rec	OKL_OPT_PVT.OPTV_REC_TYPE	Yes	Record type for view OKL_OPTIONS_V.

OUT Parameters

Table 7–2 GET_REC OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Table 7–2 GET_REC OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_no_data_found	PL/SQL BOOLEAN	Yes	Flag to check for data; returns False if data exists; the converse also applies.
x_optv_rec	OKL_OPT_PVT.OPTV_REC_TYPE	Yes	Record type for view OKL_OPTIONS_V.

7.1.2 INSERT_OPTIONS

Procedure Specification

Program Unit INSERT_OPTIONS

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_optv_rec              IN      OKL_OPT_PVT.OPTV_REC_TYPE,
  x_optv_rec              OUT     OKL_OPT_PVT.OPTV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 7–3 INSERT_OPTIONS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 7–3 INSERT_OPTIONS IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_optv_rec	OKL_OPT_PVT.OPTV_REC_TYPE	Yes	Record type for view OKL_OPTIONS_V.

OUT Parameters

Table 7–4 INSERT_OPTIONS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_optv_rec	OKL_OPT_PVT.OPTV_REC_TYPE	Yes	Record type for view OKL_OPTIONS_V.

7.1.3 UPDATE_OPTIONS

Procedure Specification

```
Program Unit UPDATE_OPTIONS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_optv_rec              IN      OKL_OPT_PVT.OPTV_REC_TYPE,
  x_optv_rec              OUT     OKL_OPT_PVT.OPTV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 7-5 UPDATE_OPTIONS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_optv_rec	OKL_OPT_PVT.OPTV_REC_TYPE	Yes	Record type for view OKL_OPTIONS_V.

OUT Parameters

Table 7-6 UPDATE_OPTIONS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_optv_rec	OKL_OPT_PVT.OPTV_REC_TYPE	Yes	Record type for view OKL_OPTIONS_V.

7.2 Package OKL_SETUPOPTVALUES_PUB

This package contains the following procedures:

- [GET_REC](#) on page 7-6
- [INSERT_OPTVALUES](#) on page 7-7
- [UPDATE_OPTVALUES](#) on page 7-8

7.2.1 GET_REC

Procedure Specification

```
Program Unit GET_REC
(
    p_ovev_rec           IN      OKL_OVE_PVT.OVEV_REC_TYPE,
    x_return_status      OUT     VARCHAR2,
    x_msg_data           OUT     VARCHAR2,
    x_no_data_found      OUT     PL/SQL BOOLEAN,
    x_ovev_rec           OUT     OKL_OVE_PVT.OVEV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 7–7 GET_REC IN Parameters

Parameter	Data Type	Required	Description and Validation
p_ovev_rec	OKL_OVE_PVT.OVEV_REC_TYPE	Yes	Record type for view OKL_OPT_values_V.

OUT Parameters

Table 7–8 GET_REC OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_no_data_found	PL/SQL BOOLEAN	Yes	Flag to check for data; returns False if data exists; the converse also applies.
x_ovev_rec	OKL_OVE_PVT.OVEV_REC_TYPE	Yes	Record type for view OKL_OPT_values_V.

7.2.2 INSERT_OPTVALUES

Procedure Specification

```
Program Unit INSERT_OPTVALUES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_optv_rec             IN      OKL_OPT_PVT.OPTV_REC_TYPE,
  p_ovev_rec             IN      OKL_OVE_PVT.OVEV_REC_TYPE,
  x_ovev_rec            OUT     OKL_OVE_PVT.OVEV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 7–9 INSERT_OPTVALUES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_optv_rec	OKL_OPT_PVT.OPTV_REC_TYPE	Yes	Record type for view OKL_OPTIONS_V.
p_ovev_rec	OKL_OVE_PVT.OVEV_REC_TYPE	Yes	Record type for view OKL_OPT_values_V.

OUT Parameters

Table 7–10 INSERT_OPTVALUES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ovev_rec	OKL_OVE_PVT.OVEV_REC_TYPE	Yes	Record type for view OKL_OPT_values_V.

7.2.3 UPDATE_OPTVALUES

Procedure Specification

```
Program Unit UPDATE_OPTVALUES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_optv_rec             IN      OKL_OPT_PVT.OPTV_REC_TYPE,
  p_ovev_rec             IN      OKL_OVE_PVT.OVEV_REC_TYPE,
  x_ovev_rec             OUT     OKL_OVE_PVT.OVEV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 7–11 UPDATE_OPTVALUES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 7–11 UPDATE_OPTVALUES IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_optv_rec	OKL_OPT_ PVT.OPTV_REC_ TYPE	Yes	Record type for view OKL_OPTIONS_V.
p_ovev_rec	OKL_OVE_ PVT.OVEV_REC_ TYPE	Yes	Record type for view OKL_OPT_values_V.

OUT Parameters

Table 7–12 UPDATE_OPTVALUES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ovev_rec	OKL_OVE_ PVT.OVEV_REC_ TYPE	Yes	Record type for view OKL_OPT_values_V.

7.3 Package OKL_SETUPPDTTEMPLATES_PUB

This package contains the following procedures:

- [GET_REC](#) on page 7-10
- [INSERT_PDTTEMPLATES](#) on page 7-11
- [UPDATE_PDTTEMPLATES](#) on page 7-12

7.3.1 GET_REC

Procedure Specification

```
Program Unit GET_REC
(
  p_ptlv_rec           IN      OKL_PTL_PVT.PTLV_REC_TYPE,
  x_return_status      OUT    VARCHAR2,
  x_msg_data          OUT    VARCHAR2,
  x_no_data_found      OUT    PL/SQL BOOLEAN,
  x_ptlv_rec          OUT    OKL_PTL_PVT.PTLV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 7–13 GET_REC IN Parameters

Parameter	Data Type	Required	Description and Validation
p_ptlv_rec	OKL_PTL_PVT.PTLV_REC_TYPE	Yes	Record type for view OKL_PDT_TEMPLATES_V.

OUT Parameters

Table 7–14 GET_REC OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_no_data_found	PL/SQL BOOLEAN	Yes	Flag to check for data; returns False if data exists; the converse also applies.
x_ptlv_rec	OKL_PTL_PVT.PTLV_REC_TYPE	Yes	Record type for view OKL_PDT_TEMPLATES_V.

7.3.2 INSERT_PDTTEMPLATES

Procedure Specification

Program Unit INSERT_PDTTEMPLATES

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_ptlv_rec             IN      OKL_PTL_PVT.PTLV_REC_TYPE,
  x_ptlv_rec             OUT     OKL_PTL_PVT.PTLV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 7–15 INSERT_PDTTEMPLATES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptlv_rec	OKL_PTL_PVT.PTLV_REC_TYPE	Yes	Record type for view OKL_PDT_TEMPLATES_V.

OUT Parameters

Table 7–16 INSERT_PDTTEMPLATES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 7–16 INSERT_PDTTEMPLATES OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ptlv_rec	OKL_PTL_PVT.PTLV_REC_TYPE	Yes	Record type for view OKL_PDT_TEMPLATES_V.

7.3.3 UPDATE_PDTTEMPLATES

Procedure Specification

```
Program Unit UPDATE_PDTTEMPLATES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_ptlv_rec             IN      OKL_PTL_PVT.PTLV_REC_TYPE,
  x_ptlv_rec             OUT     OKL_PTL_PVT.PTLV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 7–17 UPDATE_PDTTEMPLATES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptlv_rec	OKL_PTL_PVT.PTLV_REC_TYPE	Yes	Record type for view OKL_PDT_TEMPLATES_V.

OUT Parameters

Table 7–18 UPDATE_PDTTEMPLATES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ptlv_rec	OKL_PTL_PVT.PTLV_REC_TYPE	Yes	Record type for view OKL_PDT_TEMPLATES_V.

7.4 Package OKL_SETUPPQUALITYS_PUB

This package contains the following procedures:

- [GET_REC](#) on page 7-13
- [INSERT_PQUALITYS](#) on page 7-14
- [UPDATE_PQUALITYS](#) on page 7-15

7.4.1 GET_REC

Procedure Specification

Program Unit GET_REC

```
(
    p_pqyv_rec           IN      OKL_PQY_PVT.PQYV_REC_TYPE,
    x_return_status      OUT     VARCHAR2,
    x_msg_data           OUT     VARCHAR2,
    x_no_data_found      OUT     PL/SQL BOOLEAN,
    x_pqyv_rec           OUT     OKL_PQY_PVT.PQYV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 7–19 GET_REC IN Parameters

Parameter	Data Type	Required	Description and Validation
p_pqyv_rec	OKL_PQY_PVT.PQYV_REC_TYPE	Yes	Record type for view OKL_PDT_QUALITYS_V.

OUT Parameters

Table 7–20 GET_REC OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_no_data_found	PL/SQL BOOLEAN	Yes	Flag to check for data, returns False if data exists; the converse also applies.
x_pqyv_rec	OKL_PQY_PVT.PQYV_REC_TYPE	Yes	Record type for view OKL_PDT_QUALITYS_V.

7.4.2 INSERT_PQUALITYS

Procedure Specification

```
Program Unit INSERT_PQUALITYS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_pqyv_rec              IN      OKL_PQY_PVT.PQYV_REC_TYPE,
  x_pqyv_rec              OUT     OKL_PQY_PVT.PQYV_REC_TYPE
);
```


Current Version

1.0

IN Parameters**Table 7–21 INSERT_PQUALITYS IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_pqyv_rec	OKL_PQY_ PVT.PQYV_REC_ TYPE	Yes	Record type for view OKL_PDT_QUALITYS_V.

OUT Parameters**Table 7–22 INSERT_PQUALITYS OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_pqyv_rec	OKL_PQY_ PVT.PQYV_REC_ TYPE	Yes	Record type for view OKL_PDT_QUALITYS_V.

7.4.3 UPDATE_PQUALITYS**Procedure Specification**

Program Unit UPDATE_PQUALITYS

```

(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,

```

```
x_msg_data          OUT      VARCHAR2,
p_pqyv_rec          IN       OKL_PQY_PVT.PQYV_REC_TYPE,
x_pqyv_rec          OUT      OKL_PQY_PVT.PQYV_REC_TYPE
);
```

Current Version
1.0

IN Parameters

Table 7–23 UPDATE_PQUALITYS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_pqyv_rec	OKL_PQY_PVT.PQYV_REC_TYPE	Yes	Record type for view OKL_PDT_QUALITYS_V.

OUT Parameters

Table 7–24 UPDATE_PQUALITYS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_pqyv_rec	OKL_PQY_PVT.PQYV_REC_TYPE	Yes	Record type for view OKL_PDT_QUALITYS_V.

7.5 Package OKL_SETUPPQYVALUES_PUB

This package contains the following procedures:

- [GET_REC](#) on page 7-17
- [INSERT_PQYVALUES](#) on page 7-18
- [UPDATE_PQYVALUES](#) on page 7-19

7.5.1 GET_REC

Procedure Specification

```
Program Unit GET_REC
(
  p_qvev_rec           IN      OKL_QVE_PVT.QVEV_REC_TYPE,
  x_return_status      OUT     VARCHAR2,
  x_msg_data           OUT     VARCHAR2,
  x_no_data_found      OUT     PL/SQL BOOLEAN,
  x_qvev_rec           OUT     OKL_QVE_PVT.QVEV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 7–25 GET_REC IN Parameters

Parameter	Data Type	Required	Description and Validation
p_qvev_rec	OKL_QVE_PVT.QVEV_REC_TYPE	Yes	Record type for view OKL_PQY_VALUES_V.

OUT Parameters

Table 7–26 GET_REC OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Table 7–26 GET_REC OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_no_data_found	PL/SQL BOOLEAN	Yes	Flag to check for data, returns False if data exists; the converse also applies.
x_qvev_rec	OKL_QVE_PVT.QVEV_REC_TYPE	Yes	Record type for view OKL_PQY_VALUES_V.

7.5.2 INSERT_PQYVALUES

Procedure Specification

```
Program Unit INSERT_PQYVALUES
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_pqyv_rec              IN      OKL_PQY_PVT.PQYV_REC_TYPE,
  p_qvev_rec              IN      OKL_QVE_PVT.QVEV_REC_TYPE,
  x_qvev_rec              OUT     OKL_QVE_PVT.QVEV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 7–27 INSERT_PQYVALUES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 7–27 INSERT_PQYVALUES IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_pqyv_rec	OKL_PQY_PVT.PQYV_REC_TYPE	Yes	Record type for view OKL_PDT_QUALITYS_V
p_qvev_rec	OKL_QVE_PVT.QVEV_REC_TYPE	Yes	Record type for view OKL_PQY_VALUES_V.

OUT Parameters

Table 7–28 INSERT_PQYVALUES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_qvev_rec	OKL_QVE_PVT.QVEV_REC_TYPE	Yes	Record type for view OKL_PQY_VALUES_V.

7.5.3 UPDATE_PQYVALUES

Procedure Specification

Program Unit UPDATE_PQYVALUES

```
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_pqyv_rec             IN      OKL_PQY_PVT.PQYV_REC_TYPE,
    p_qvev_rec             IN      OKL_QVE_PVT.QVEV_REC_TYPE,
    x_qvev_rec             OUT     OKL_QVE_PVT.QVEV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 7–29 UPDATE_PQYVALUES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_pqyv_rec	OKL_PQY_PVT.PQYV_REC_TYPE	Yes	Record type for view OKL_PDT_QUALITYS_V.
p_qvev_rec	OKL_QVE_PVT.QVEV_REC_TYPE	Yes	Record type for view OKL_PQY_VALUES_V.

OUT Parameters

Table 7–30 UPDATE_PQYVALUES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_qvev_rec	OKL_QVE_PVT.QVEV_REC_TYPE	Yes	Record type for view OKL_PQY_VALUES_V.

7.6 Package OKL_SETUPPRODUCTS_PUB

This package contains the following procedures:

- [GET_REC](#) on page 7-21
- [INSERT_PRODUCTS](#) on page 7-22
- [UPDATE_PRODUCTS](#) on page 7-23

7.6.1 GET_REC

Procedure Specification

Program Unit GET_REC

```
(
  p_pdtv_rec          IN      OKL_PDT_PVT.PDTV_REC_TYPE,
  x_return_status      OUT     VARCHAR2,
  x_msg_data          OUT     VARCHAR2,
  x_no_data_found      OUT     PL/SQL BOOLEAN,
  x_pdtv_rec          OUT     OKL_PDT_PVT.PDTV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 7–31 GET_REC IN Parameters

Parameter	Data Type	Required	Description and Validation
p_pdtv_rec	OKL_PDT_PVT.PDTV_REC_TYPE	Yes	Record type for view OKL_PRODUCTS_V.

OUT Parameters

Table 7–32 GET_REC OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Table 7–32 GET_REC OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_no_data_found	PL/SQL BOOLEAN	Yes	Flag to check for data, returns False if data exists; the converse also applies.
x_pdtv_rec	OKL_PDT_PVT.PDTV_REC_TYPE	Yes	Record type for view OKL_PRODUCTS_V.

7.6.2 INSERT_PRODUCTS

Procedure Specification

```
Program Unit INSERT_PRODUCTS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_pdtv_rec              IN      OKL_PDT_PVT.PDTV_REC_TYPE,
  x_pdtv_rec              OUT     OKL_PDT_PVT.PDTV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 7–33 INSERT_PRODUCTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 7–33 INSERT_PRODUCTS IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_pdtv_rec	OKL_PDT_PVT.PDTV_REC_TYPE	Yes	Record type for view OKL_PRODUCTS_V.

OUT Parameters

Table 7–34 INSERT_PRODUCTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_pdtv_rec	OKL_PDT_PVT.PDTV_REC_TYPE	Yes	Record type for view OKL_PRODUCTS_V.

7.6.3 UPDATE_PRODUCTS

Procedure Specification

Program Unit UPDATE_PRODUCTS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_pdtv_rec            IN      OKL_PDT_PVT.PDTV_REC_TYPE,
  x_pdtv_rec            OUT     OKL_PDT_PVT.PDTV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 7–35 UPDATE_PRODUCTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_pdtv_rec	OKL_PDT_PVT.PDTV_REC_TYPE	Yes	Record type for view OKL_PRODUCTS_V.

OUT Parameters

Table 7–36 UPDATE_PRODUCTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_pdtv_rec	OKL_PDT_PVT.PDTV_REC_TYPE	Yes	Record type for view OKL_PRODUCTS_V.

7.7 Package OKL_SETUPPTQUALITYS_PUB

This package contains the following procedures:

- [GET_REC](#) on page 7-25
- [INSERT_TQUALITYS](#) on page 7-26
- [UPDATE_TQUALITYS](#) on page 7-27

7.7.1 GET_REC

Procedure Specification

Program Unit GET_REC

```
(
  p_ptqv_rec           IN      OKL_PTQ_PVT.PTQV_REC_TYPE,
  x_return_status      OUT     VARCHAR2,
  x_msg_data           OUT     VARCHAR2,
  x_no_data_found      OUT     PL/SQL BOOLEAN,
  x_ptqv_rec           OUT     OKL_PTQ_PVT.PTQV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 7–37 GET_REC IN Parameters

Parameter	Data Type	Required	Description and Validation
p_ptqv_rec	OKL_PTQ_PVT.PTQV_REC_TYPE	Yes	Record type for view OKL_PDT_TEMPLATES_V.

OUT Parameters

Table 7–38 GET_REC OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_no_data_found	PL/SQL BOOLEAN	Yes	Flag to check for data, returns False if data exists; the converse also applies.
x_ptqv_rec	OKL_PTQ_PVT.PTQV_REC_TYPE	Yes	Record type for view OKL_PDT_TEMPLATES_V.

7.7.2 INSERT_TQUALITYS

Procedure Specification

```
Program Unit INSERT_TQUALITYS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_ptqv_rec             IN      OKL_PTQ_PVT.PTQV_REC_TYPE,
    x_ptqv_rec             OUT     OKL_PTQ_PVT.PTQV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 7–39 INSERT_TQUALITYS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptqv_rec	OKL_PTQ_PVT.PTQV_REC_TYPE	Yes	Record type for view OKL_PDT_TEMPLATES_V.

OUT Parameters

Table 7–40 INSERT_TQUALITYS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 7–40 INSERT_TQUALITYS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ptqv_rec	OKL_PTQ_PVT.PTQV_REC_TYPE	Yes	Record type for view OKL_PDT_TEMPLATES_V.

7.7.3 UPDATE_TQUALITYS

Procedure Specification

Program Unit UPDATE_TQUALITYS

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_ptqv_rec              IN      OKL_PTQ_PVT.PTQV_REC_TYPE,
  x_ptqv_rec              OUT     OKL_PTQ_PVT.PTQV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 7–41 UPDATE_TQUALITYS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptqv_rec	OKL_PTQ_PVT.PTQV_REC_TYPE	Yes	Record type for view OKL_PDT_TEMPLATES_V.

OUT Parameters

Table 7-42 UPDATE_TQUALITYS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ptqv_rec	OKL_PTQ_PVT.PTQV_REC_TYPE	Yes	Record type for view OKL_PDT_TEMPLATES_V.

7.8 Package OKL_SETUPTQYVALUES_PUB

This package contains the following procedures:

- [GET_REC](#) on page 7-28
- [INSERT_TQYVALUES](#) on page 7-29
- [UPDATE_TQYVALUES](#) on page 7-31

7.8.1 GET_REC

Procedure Specification

```
Program Unit GET_REC
(
    p_ptvv_rec                IN      OKL_PTV_PVT.PTVV_REC_TYPE,
    x_return_status           OUT     VARCHAR2,
    x_msg_data                OUT     VARCHAR2,
    x_no_data_found           OUT     PL/SQL BOOLEAN,
    x_ptvv_rec                OUT     OKL_PTV_PVT.PTVV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 7–43 GET_REC IN Parameters

Parameter	Data Type	Required	Description and Validation
p_ptvv_rec	OKL_PTV_PVT.PTVV_REC_TYPE	Yes	Record type for view OKL_PTL_VALUES_V.

OUT Parameters

Table 7–44 GET_REC OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_no_data_found	PL/SQL BOOLEAN	Yes	Flag to check for data, returns False if data exists; the converse also applies.
x_ptvv_rec	OKL_PTV_PVT.PTVV_REC_TYPE	Yes	Record type for view OKL_PTL_VALUES_V.

7.8.2 INSERT_TQYVALUES

Procedure Specification

Program Unit INSERT_TQYVALUES

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_ptqv_rec              IN      OKL_PTV_PVT.PTVV_REC_TYPE,
  p_ptvv_rec              IN      OKL_PTV_PVT.PTVV_REC_TYPE,
  x_ptvv_rec              OUT     OKL_PTV_PVT.PTVV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 7–45 INSERT_TQYVALUES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptqv_rec	OKL_PTQ_PVT.PTQV_REC_TYPE	Yes	Record type for view OKL_PDT_TEMPLATES_V.
p_ptvv_rec	OKL_PTV_PVT.PTVV_REC_TYPE	Yes	Record type for view OKL_PTL_VALUES_V.

OUT Parameters

Table 7–46 INSERT_TQYVALUES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ptvv_rec	OKL_PTV_PVT.PTVV_REC_TYPE	Yes	Record type for view OKL_PTL_VALUES_V.

7.8.3 UPDATE_TQYVALUES

Procedure Specification

```
Program Unit UPDATE_TQYVALUES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_ptqv_rec             IN      OKL_PTQ_PVT.PTQV_REC_TYPE,
  p_ptvv_rec             IN      OKL_PTV_PVT.PTVV_REC_TYPE,
  x_ptvv_rec             OUT     OKL_PTV_PVT.PTVV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 7–47 UPDATE_TQYVALUES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptqv_rec	OKL_PTQ_PVT.PTQV_REC_TYPE	Yes	Record type for view OKL_PDT_TEMPLATES_V.
p_ptvv_rec	OKL_PTV_PVT.PTVV_REC_TYPE	Yes	Record type for view OKL_PTL_VALUES_V.

OUT Parameters

Table 7–48 UPDATE_TQYVALUES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ptvv_rec	OKL_PTV_ PVT.PTVV_REC_ TYPE	Yes	Record type for view OKL_ PTL_VALUES_V.

Invoice Group Parameter APIs

The following are public packages of Invoice Group Parameter APIs in Oracle Lease Management:

- [Package OKL_INVC_FRMT_STRMS_PUB](#) on page 8-2
- [Package OKL_INVC_LINE_TYPES_PUB](#) on page 8-14
- [Package OKL_INVOICE_FORMATS_PUB](#) on page 8-26
- [Package OKL_INVOICE_TYPES_PUB](#) on page 8-38
- [Package OKL_INV_FORMAT_DELETE_PUB](#) on page 8-50
- [Package OKL_INV_LINE_TYPE_DELETE_PUB](#) on page 8-53
- [Package OKL_INV_TYPE_DELETE_PUB](#) on page 8-56

For information about all table and record type parameters, see [Appendix A, "API Data Structure Specifications"](#).

8.1 Package OKL_INVC_FRMT_STRMS_PUB

This package contains the following procedures:

- [DELETE_INVC_FRMT_STRMS \(Overloaded\)](#) on page 8-2
- [INSERT_INVC_FRMT_STRMS \(Overloaded\)](#) on page 8-4
- [LOCK_INVC_FRMT_STRMS \(Overloaded\)](#) on page 8-7
- [UPDATE_INVC_FRMT_STRMS \(Overloaded\)](#) on page 8-9
- [VALIDATE_INVC_FRMT_STRMS \(Overloaded\)](#) on page 8-11

8.1.1 DELETE_INVC_FRMT_STRMS (Overloaded)

This overloaded procedure includes:

- [DELETE_INVC_FRMT_STRMS](#) on page 8-2
- [DELETE_INVC_FRMT_STRMS](#) on page 8-3

DELETE_INVC_FRMT_STRMS

Procedure Specification

```
Program Unit DELETE_INVC_FRMT_STRMS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_ilsv_tbl              IN      OKL_ILS_PVT.ILSV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 8–1 DELETE_INVC_FRMT_STRMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ilsv_tbl	OKL_ILS_PVT.ILSV_TBL_TYPE	Yes	Record definition for OKL_INVC_FRMT_STRMS.

OUT Parameters

Table 8–2 DELETE_INVC_FRMT_STRMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_INVC_FRMT_STRMS

Procedure Specification

Program Unit DELETE_INVC_FRMT_STRMS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_ilsv_rec             IN      OKL_ILS_PVT.ILSV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 8–3 DELETE_INVC_FRMT_STRMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ilsv_rec	OKL_ILS_PVT.ILSV_REC_TYPE	Yes	Record definition for OKL_INVC_FRMT_STRMS.

OUT Parameters

Table 8–4 DELETE_INVC_FRMT_STRMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

8.1.2 INSERT_INVC_FRMT_STRMS (Overloaded)

This overloaded procedure includes:

- [INSERT_INVC_FRMT_STRMS](#) on page 8-4
- [INSERT_INVC_FRMT_STRMS](#) on page 8-5

INSERT_INVC_FRMT_STRMS

Procedure Specification

```
Program Unit INSERT_INVC_FRMT_STRMS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
```

```
p_ilsv_tbl          IN      OKL_ILS_PVT.ILSV_TBL_TYPE,  
x_ilsv_tbl          OUT     OKL_ILS_PVT.ILSV_TBL_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 8–5 INSERT_INVF_FRMT_STRMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ilsv_tbl	OKL_ILS_PVT.ILSV_TBL_TYPE	Yes	Table of records for OKL_INVF_FRMT_STRMS table.

OUT Parameters

Table 8–6 INSERT_INVF_FRMT_STRMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ilsv_tbl	OKL_ILS_PVT.ILSV_TBL_TYPE	Yes	Table of records for OKL_INVF_FRMT_STRMS table.

INSERT_INVF_FRMT_STRMS

Procedure Specification

Program Unit INSERT_INVF_FRMT_STRMS

```
(  
    p_api_version          IN      NUMBER,
```

```

    p_init_msg_list          IN      VARCHAR2,
    x_return_status          OUT     VARCHAR2,
    x_msg_count              OUT     NUMBER,
    x_msg_data               OUT     VARCHAR2,
    p_ilsv_rec               IN      OKL_ILS_PVT.ILSV_REC_TYPE,
    x_ilsv_rec               OUT     OKL_ILS_PVT.ILSV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 8–7 INSERT_INVC_FRMT_STRMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ilsv_rec	OKL_ILS_PVT.ILSV_REC_TYPE	Yes	Record definition for OKL_INVC_FRMT_STRMS.

OUT Parameters

Table 8–8 INSERT_INVC_FRMT_STRMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ilsv_rec	OKL_ILS_PVT.ILSV_REC_TYPE	Yes	Record definition for OKL_INVC_FRMT_STRMS.

8.1.3 LOCK_INVF_FRMT_STRMS (Overloaded)

This overloaded procedure includes:

- [LOCK_INVF_FRMT_STRMS](#) on page 8-7
- [LOCK_INVF_FRMT_STRMS](#) on page 8-8

LOCK_INVF_FRMT_STRMS

Procedure Specification

Program Unit LOCK_INVF_FRMT_STRMS

```
(  
  p_api_version           IN      NUMBER,  
  p_init_msg_list         IN      VARCHAR2,  
  x_return_status         OUT     VARCHAR2,  
  x_msg_count             OUT     NUMBER,  
  x_msg_data              OUT     VARCHAR2,  
  p_ilsv_tbl              IN      OKL_ILS_PVT.ILSV_TBL_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 8–9 LOCK_INVF_FRMT_STRMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ilsv_tbl	OKL_ILS_PVT.ILSV_TBL_TYPE	Yes	Table of records for OKL_INVF_FRMT_STRMS.

OUT Parameters

Table 8–10 LOCK_INVC_FRMT_STRMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_INVC_FRMT_STRMS

Procedure Specification

```
Program Unit LOCK_INVC_FRMT_STRMS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_ilsv_rec              IN      OKL_ILS_PVT.ILSV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 8–11 LOCK_INVC_FRMT_STRMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ilsv_rec	OKL_ILS_PVT.ILSV_REC_TYPE	Yes	Record definition for OKL_INVC_FRMT_STRMS.

OUT Parameters

Table 8–12 LOCK_INVC_FRMT_STRMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

8.1.4 UPDATE_INVC_FRMT_STRMS (Overloaded)

This overloaded procedure includes:

- [UPDATE_INVC_FRMT_STRMS](#) on page 8-9
- [UPDATE_INVC_FRMT_STRMS](#) on page 8-10

UPDATE_INVC_FRMT_STRMS

Procedure Specification

Program Unit UPDATE_INVC_FRMT_STRMS

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_ilsv_tbl             IN      OKL_ILS_PVT.ILSV_TBL_TYPE,  
    x_ilsv_tbl             OUT     OKL_ILS_PVT.ILSV_TBL_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 8–13 UPDATE_INVC_FRMT_STRMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ilsv_tbl	OKL_ILS_PVT.ILSV_TBL_TYPE	Yes	Table of records for OKL_INVC_FRMT_STRMS.

OUT Parameters

Table 8–14 UPDATE_INVC_FRMT_STRMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ilsv_tbl	OKL_ILS_PVT.ILSV_TBL_TYPE	Yes	Table of records for OKL_INVC_FRMT_STRMS.

UPDATE_INVC_FRMT_STRMS

Procedure Specification

```
Program Unit UPDATE_INVC_FRMT_STRMS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_ilsv_rec              IN      OKL_ILS_PVT.ILSV_REC_TYPE,
  x_ilsv_rec              OUT     OKL_ILS_PVT.ILSV_REC_TYPE
);
```

Current Version

1.0

IN Parameters**Table 8–15 UPDATE_INV_C_FRMT_STRMS IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ilsv_rec	OKL_ILS_PVT.ILSV_REC_TYPE	Yes	Record definition for OKL_INV_C_FRMT_STRMS.

OUT Parameters**Table 8–16 UPDATE_INV_C_FRMT_STRMS OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ilsv_rec	OKL_ILS_PVT.ILSV_REC_TYPE	Yes	Table of records for OKL_INV_C_FRMT_STRMS.

8.1.5 VALIDATE_INV_C_FRMT_STRMS (Overloaded)

This overloaded procedure includes:

- [VALIDATE_INV_C_FRMT_STRMS](#) on page 8-12
- [VALIDATE_INV_C_FRMT_STRMS](#) on page 8-13

VALIDATE_INVC_FRMT_STRMS

Procedure Specification

```
Program Unit VALIDATE_INVC_FRMT_STRMS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_ilsv_tbl             IN      OKL_ILS_PVT.ILSV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 8–17 VALIDATE_INVC_FRMT_STRMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ilsv_tbl	OKL_ILS_PVT.ILSV_TBL_TYPE	Yes	Record definition for OKL_INVC_FRMT_STRMS.

OUT Parameters

Table 8–18 VALIDATE_INVC_FRMT_STRMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_INVC_FRMT_STRMS

Procedure Specification

Program Unit VALIDATE_INVC_FRMT_STRMS

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_ilsv_rec             IN      OKL_ILS_PVT.ILSV_REC_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 8–19 VALIDATE_INVC_FRMT_STRMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ilsv_rec	OKL_ILS_PVT.ILSV_REC_TYPE	Yes	Record definition for OKL_INVC_FRMT_STRMS.

OUT Parameters

Table 8–20 VALIDATE_INVC_FRMT_STRMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

8.2 Package OKL_INVC_LINE_TYPES_PUB

This package contains the following procedures:

- [DELETE_INVC_LINE_TYPES \(Overloaded\)](#) on page 8-14
- [INSERT_INVC_LINE_TYPES \(Overloaded\)](#) on page 8-16
- [LOCK_INVC_LINE_TYPES \(Overloaded\)](#) on page 8-19
- [UPDATE_INVC_LINE_TYPES \(Overloaded\)](#) on page 8-21
- [VALIDATE_INVC_LINE_TYPES \(Overloaded\)](#) on page 8-23

8.2.1 DELETE_INVC_LINE_TYPES (Overloaded)

This overloaded procedure includes:

- [DELETE_INVC_FRMT_STRMS](#) on page 8-2
- [DELETE_INVC_FRMT_STRMS](#) on page 8-3

DELETE_INVC_LINE_TYPES

Procedure Specification

```
Program Unit DELETE_INVC_LINE_TYPES
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_iltv_tbl              IN      OKL_ILT_PVT.ILTV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 8–21 DELETE_INVC_LINE_TYPES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_iltv_tbl	OKL_ILT_PVT.ILTV_TBL_TYPE	Yes	Table of records for OKL_INVC_LINE_TYPES_V.

OUT Parameters

Table 8–22 DELETE_INVC_LINE_TYPES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_INVC_LINE_TYPES

Procedure Specification

Program Unit DELETE_INVC_LINE_TYPES

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_iltv_rec             IN      OKL_ILT_PVT.ILTV_REC_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 8–23 DELETE_INVC_LINE_TYPES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_iltv_rec	OKL_ILT_PVT.ILTV_REC_TYPE	Yes	Record type for OKL_INVC_LINE_TYPES_V.

OUT Parameters

Table 8–24 DELETE_INVC_LINE_TYPES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

8.2.2 INSERT_INVC_LINE_TYPES (Overloaded)

This overloaded procedure includes:

- [INSERT_INVC_LINE_TYPES](#) on page 8-16
- [INSERT_INVC_LINE_TYPES](#) on page 8-17

INSERT_INVC_LINE_TYPES

Procedure Specification

```
Program Unit INSERT_INVC_LINE_TYPES
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
```

```
p_iltv_tbl          IN      OKL_ILT_PVT.ILTV_TBL_TYPE,  
x_iltv_tbl          OUT     OKL_ILT_PVT.ILTV_TBL_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 8–25 *INSERT_INVC_LINE_TYPES IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_iltv_tbl	OKL_ILT_PVT.ILTV_TBL_TYPE	Yes	Table of records for OKL_INVC_LINE_TYPES_V.

OUT Parameters

Table 8–26 *INSERT_INVC_LINE_TYPES OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_iltv_tbl	OKL_ILT_PVT.ILTV_TBL_TYPE	Yes	Table of records for OKL_INVC_LINE_TYPES_V.

INSERT_INVC_LINE_TYPES

Procedure Specification

```
Program Unit INSERT_INVC_LINE_TYPES  
(
```

```

p_api_version          IN      NUMBER,
p_init_msg_list        IN      VARCHAR2,
x_return_status        OUT     VARCHAR2,
x_msg_count            OUT     NUMBER,
x_msg_data             OUT     VARCHAR2,
p_iltv_rec             IN      OKL_ILT_PVT.ILTV_REC_TYPE,
x_iltv_rec             OUT     OKL_ILT_PVT.ILTV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 8–27 INSERT_INVC_LINE_TYPES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_iltv_rec	OKL_ILT_PVT.ILTV_REC_TYPE	Yes	Record type for OKL_INVC_LINE_TYPES_V.

OUT Parameters

Table 8–28 INSERT_INVC_LINE_TYPES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_iltv_rec	OKL_ILT_PVT.ILTV_REC_TYPE	Yes	Record type for OKL_INVC_LINE_TYPES_V.

8.2.3 LOCK_INVC_LINE_TYPES (Overloaded)

This overloaded procedure includes:

- [LOCK_INVC_LINE_TYPES](#) on page 8-19
- [LOCK_INVC_LINE_TYPES](#) on page 8-20

LOCK_INVC_LINE_TYPES

Procedure Specification

Program Unit LOCK_INVC_LINE_TYPES

```
(  
  p_api_version           IN      NUMBER,  
  p_init_msg_list         IN      VARCHAR2,  
  x_return_status         OUT     VARCHAR2,  
  x_msg_count             OUT     NUMBER,  
  x_msg_data              OUT     VARCHAR2,  
  p_iltv_tbl              IN      OKL_ILT_PVT.ILTV_TBL_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 8–29 LOCK_INVC_LINE_TYPES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_iltv_tbl	OKL_ILT_PVT.ILTV_TBL_TYPE	Yes	Table of records for OKL_INVC_LINE_TYPES_V.

OUT Parameters

Table 8–30 LOCK_INVC_LINE_TYPES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_INVC_LINE_TYPES

Procedure Specification

```
Program Unit LOCK_INVC_LINE_TYPES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_iltv_rec             IN      OKL_ILT_PVT.ILTV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 8–31 LOCK_INVC_LINE_TYPES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_iltv_rec	OKL_ILT_PVT.ILTV_REC_TYPE	Yes	Record type for OKL_INVC_LINE_TYPES_V.

OUT Parameters**Table 8–32 LOCK_INVC_LINE_TYPES OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

8.2.4 UPDATE_INVC_LINE_TYPES (Overloaded)

This overloaded procedure includes:

- [UPDATE_INVC_LINE_TYPES](#) on page 8-21
- [UPDATE_INVC_LINE_TYPES](#) on page 8-22

UPDATE_INVC_LINE_TYPES**Procedure Specification**

Program Unit UPDATE_INVC_LINE_TYPES

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_iltv_tbl             IN      OKL_ILT_PVT.ILTV_TBL_TYPE,
  x_iltv_tbl             OUT     OKL_ILT_PVT.ILTV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 8–33 UPDATE_INVC_LINE_TYPES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_iltv_tbl	OKL_ILT_PVT.ILTV_TBL_TYPE	Yes	Table of records for OKL_INVC_LINE_TYPES_V.

OUT Parameters

Table 8–34 UPDATE_INVC_LINE_TYPES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_iltv_tbl	OKL_ILT_PVT.ILTV_TBL_TYPE	Yes	Table of records for OKL_INVC_LINE_TYPES_V.

UPDATE_INVC_LINE_TYPES

Procedure Specification

```
Program Unit UPDATE_INVC_LINE_TYPES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_iltv_rec             IN      OKL_ILT_PVT.ILTV_REC_TYPE,
  x_iltv_rec             OUT     OKL_ILT_PVT.ILTV_REC_TYPE
);
```


Current Version

1.0

IN Parameters**Table 8–35 UPDATE_INVC_LINE_TYPES IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_iltv_rec	OKL_ILT_PVT.ILTV_REC_TYPE	Yes	Record type for OKL_INVC_LINE_TYPES_V.

OUT Parameters**Table 8–36 UPDATE_INVC_LINE_TYPES OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_iltv_rec	OKL_ILT_PVT.ILTV_REC_TYPE	Yes	Record type for OKL_INVC_LINE_TYPES_V.

8.2.5 VALIDATE_INVC_LINE_TYPES (Overloaded)

This overloaded procedure includes:

- [VALIDATE_INVC_LINE_TYPES](#) on page 8-24
- [VALIDATE_INVC_LINE_TYPES](#) on page 8-25

VALIDATE_INVC_LINE_TYPES

Procedure Specification

```
Program Unit VALIDATE_INVC_LINE_TYPES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_iltv_tbl             IN      OKL_ILT_PVT.ILTV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 8–37 VALIDATE_INVC_LINE_TYPES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_iltv_tbl	OKL_ILT_PVT.ILTV_TBL_TYPE	Yes	Table of records for OKL_INVC_LINE_TYPES_V.

OUT Parameters

Table 8–38 VALIDATE_INVC_LINE_TYPES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_INVC_LINE_TYPES

Procedure Specification

Program Unit VALIDATE_INVC_LINE_TYPES

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_iltv_rec             IN      OKL_ILT_PVT.ILTV_REC_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 8–39 VALIDATE_INVC_LINE_TYPES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_iltv_rec	OKL_ILT_PVT.ILTV_REC_TYPE	Yes	Record type for OKL_INVC_LINE_TYPES_V.

OUT Parameters

Table 8–40 VALIDATE_INVC_LINE_TYPES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

8.3 Package OKL_INVOICE_FORMATS_PUB

This package contains the following procedures:

- [DELETE_INVOICE_FORMATS \(Overloaded\)](#) on page 8-26
- [INSERT_INVOICE_FORMATS \(Overloaded\)](#) on page 8-28
- [LOCK_INVOICE_FORMATS \(Overloaded\)](#) on page 8-31
- [UPDATE_INVOICE_FORMATS \(Overloaded\)](#) on page 8-34
- [VALIDATE_INVOICE_FORMATS \(Overloaded\)](#) on page 8-36

8.3.1 DELETE_INVOICE_FORMATS (Overloaded)

This overloaded procedure includes:

- [DELETE_INVOICE_FORMATS](#) on page 8-26
- [DELETE_INVOICE_FORMATS](#) on page 8-27

DELETE_INVOICE_FORMATS

Procedure Specification

```
Program Unit DELETE_INVOICE_FORMATS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_infv_tbl              IN      OKL_INF_PVT.INFV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 8–41 DELETE_INVOICE_FORMATS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_infv_tbl	OKL_INF_PVT.INFV_TBL_TYPE	Yes	Table of records for OKL_INVOICE_FORMATS_V.

OUT Parameters

Table 8–42 DELETE_INVOICE_FORMATS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_INVOICE_FORMATS

Procedure Specification

```

Program Unit DELETE_INVOICE_FORMATS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_infv_rec             IN      OKL_INF_PVT.INFV_REC_TYPE
);

```

Current Version

1.0

IN Parameters

Table 8–43 DELETE_INVOICE_FORMATS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_infv_rec	OKL_INF_PVT.INFV_REC_TYPE	Yes	Record type for OKL_INVOICE_FORMATS_V.

OUT Parameters

Table 8–44 DELETE_INVOICE_FORMATS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

8.3.2 INSERT_INVOICE_FORMATS (Overloaded)

This overloaded procedure includes:

- [INSERT_INVOICE_FORMATS](#) on page 8-29
- [INSERT_INVOICE_FORMATS](#) on page 8-30

INSERT_INVOICE_FORMATS

Procedure Specification

```
Program Unit INSERT_INVOICE_FORMATS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_infv_tbl            IN      OKL_INF_PVT.INFV_TBL_TYPE,
  x_infv_tbl            OUT     OKL_INF_PVT.INFV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 8–45 INSERT_INVOICE_FORMATS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_infv_tbl	OKL_INF_PVT.INFV_TBL_TYPE	Yes	Table of records for OKL_INVOICE_FORMATS_V.

OUT Parameters

Table 8–46 INSERT_INVOICE_FORMATS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 8–46 INSERT_INVOICE_FORMATS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_infv_tbl	OKL_INF_PVT.INFV_TBL_TYPE	Yes	Table of records for OKL_INVOICE_FORMATS_V.

INSERT_INVOICE_FORMATS

Procedure Specification

```
Program Unit INSERT_INVOICE_FORMATS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_infv_rec             IN      OKL_INF_PVT.INFV_REC_TYPE,
    x_infv_rec             OUT     OKL_INF_PVT.INFV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 8–47 INSERT_INVOICE_FORMATS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_infv_rec	OKL_INF_PVT.INFV_REC_TYPE	Yes	Record type for OKL_INVOICE_FORMATS_V.

OUT Parameters

Table 8–48 INSERT_INVOICE_FORMATS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_infv_rec	OKL_INF_PVT.INFV_REC_TYPE	Yes	Record type for OKL_INVOICE_FORMATS_V.

8.3.3 LOCK_INVOICE_FORMATS (Overloaded)

This overloaded procedure includes:

- [LOCK_INVOICE_FORMATS](#) on page 8-31
- [LOCK_INVOICE_FORMATS](#) on page 8-32

LOCK_INVOICE_FORMATS

Procedure Specification

```
Program Unit LOCK_INVOICE_FORMATS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_infv_tbl             IN      OKL_INF_PVT.INFV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 8–49 LOCK_INVOICE_FORMATS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_infv_tbl	OKL_INF_PVT.INFV_TBL_TYPE	Yes	Table of records for OKL_INVOICE_FORMATS_V.

OUT Parameters

Table 8–50 LOCK_INVOICE_FORMATS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_INVOICE_FORMATS

Procedure Specification

```
Program Unit LOCK_INVOICE_FORMATS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_infv_rec              IN      OKL_INF_PVT.INFV_REC_TYPE
);
```

Current Version

1.0

IN Parameters**Table 8–51 LOCK_INVOICE_FORMATS IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_infv_rec	OKL_INF_ PVT.INFV_REC_ TYPE	Yes	Record type for OKL_ INVOICE_FORMATS_V.

OUT Parameters**Table 8–52 LOCK_INVOICE_FORMATS OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

8.3.4 UPDATE_INVOICE_FORMATS (Overloaded)

This overloaded procedure includes:

- [UPDATE_INVOICE_FORMATS](#) on page 8-34
- [UPDATE_INVOICE_FORMATS](#) on page 8-35

UPDATE_INVOICE_FORMATS

Procedure Specification

```
Program Unit UPDATE_INVOICE_FORMATS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_infv_tbl              IN      OKL_INF_PVT.INFV_TBL_TYPE,
  x_infv_tbl              OUT     OKL_INF_PVT.INFV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 8–53 UPDATE_INVOICE_FORMATS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_infv_tbl	OKL_INF_PVT.INFV_TBL_TYPE	Yes	Table of records for OKL_INVOICE_FORMATS_V.

OUT Parameters

Table 8–54 UPDATE_INVOICE_FORMATS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_infv_tbl	OKL_INF_PVT.INFV_TBL_TYPE	Yes	Table of records for OKL_INVOICE_FORMATS_V.

UPDATE_INVOICE_FORMATS

Procedure Specification

Program Unit UPDATE_INVOICE_FORMATS

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_infv_rec              IN      OKL_INF_PVT.INFV_REC_TYPE,
  x_infv_rec              OUT     OKL_INF_PVT.INFV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 8–55 UPDATE_INVOICE_FORMATS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 8–55 UPDATE_INVOICE_FORMATS IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_infv_rec	OKL_INF_PVT.INFV_REC_TYPE	Yes	Record type for OKL_INVOICE_FORMATS_V.

OUT Parameters

Table 8–56 UPDATE_INVOICE_FORMATS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_infv_rec	OKL_INF_PVT.INFV_REC_TYPE	Yes	Record type for OKL_INVOICE_FORMATS_V.

8.3.5 VALIDATE_INVOICE_FORMATS (Overloaded)

This overloaded procedure includes:

- [VALIDATE_INVOICE_FORMATS](#) on page 8-36
- [VALIDATE_INVOICE_FORMATS](#) on page 8-37

VALIDATE_INVOICE_FORMATS

Procedure Specification

Program Unit VALIDATE_INVOICE_FORMATS

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
```

```

    p_infv_tbl          IN      OKL_INF_PVT.INFV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 8–57 VALIDATE_INVOICE_FORMATS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_infv_tbl	OKL_INF_PVT.INFV_TBL_TYPE	Yes	Table of records for OKL_INVOICE_FORMATS_V.

OUT Parameters

Table 8–58 VALIDATE_INVOICE_FORMATS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_INVOICE_FORMATS

Procedure Specification

```

Program Unit VALIDATE_INVOICE_FORMATS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
```

```
x_msg_count          OUT      NUMBER,
x_msg_data           OUT      VARCHAR2,
p_infv_rec           IN       OKL_INF_PVT.INFV_REC_TYPE
);
```

Current Version
1.0

IN Parameters

Table 8–59 VALIDATE_INVOICE_FORMATS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_infv_rec	OKL_INF_PVT.INFV_REC_TYPE	Yes	Record type for OKL_INVOICE_FORMATS_V.

OUT Parameters

Table 8–60 VALIDATE_INVOICE_FORMATS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

8.4 Package OKL_INVOICE_TYPES_PUB

This package contains the following procedures:

- [DELETE_INVOICE_TYPES \(Overloaded\)](#) on page 8-39
- [INSERT_INVOICE_TYPES \(Overloaded\)](#) on page 8-41

- [LOCK_INVOICE_TYPES \(Overloaded\)](#) on page 8-43
- [UPDATE_INVOICE_TYPES \(Overloaded\)](#) on page 8-46
- [VALIDATE_INVOICE_TYPES \(Overloaded\)](#) on page 8-48

8.4.1 DELETE_INVOICE_TYPES (Overloaded)

This overloaded procedure includes:

- [DELETE_INVOICE_TYPES](#) on page 8-39
- [DELETE_INVOICE_TYPES](#) on page 8-40

DELETE_INVOICE_TYPES

Procedure Specification

```

Program Unit DELETE_INVOICE_TYPES
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_ityv_tbl              IN      OKL_ITY_PVT.ITYV_TBL_TYPE
);

```

Current Version

1.0

IN Parameters

Table 8–61 DELETE_INVOICE_TYPES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ityv_tbl	OKL_ITY_PVT.ITYV_TBL_TYPE	Yes	Table of records for OKL_INVOICE_TYPES_V.

OUT Parameters

Table 8–62 DELETE_INVOICE_TYPES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_INVOICE_TYPES

Procedure Specification

```
Program Unit DELETE_INVOICE_TYPES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_ityv_rec             IN      OKL_ITY_PVT.ITYV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 8–63 DELETE_INVOICE_TYPES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ityv_rec	OKL_ITY_PVT.ITYV_REC_TYPE	Yes	Record type for OKL_INVOICE_TYPES_V.

OUT Parameters

Table 8–64 DELETE_INVOICE_TYPES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

8.4.2 INSERT_INVOICE_TYPES (Overloaded)

This overloaded procedure includes:

- [INSERT_INVOICE_TYPES](#) on page 8-41
- [INSERT_INVOICE_TYPES](#) on page 8-42

INSERT_INVOICE_TYPES

Procedure Specification

```
Program Unit INSERT_INVOICE_TYPES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_ityv_tbl             IN      OKL_ITY_PVT.ITYV_TBL_TYPE,
  x_ityv_tbl             OUT     OKL_ITY_PVT.ITYV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 8–65 INSERT_INVOICE_TYPES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ityv_tbl	OKL_ITY_PVT.ITYV_TBL_TYPE	Yes	Table of records for OKL_INVOICE_TYPES_V.

OUT Parameters

Table 8–66 INSERT_INVOICE_TYPES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ityv_tbl	OKL_ITY_PVT.ITYV_TBL_TYPE	Yes	Table of records for OKL_INVOICE_TYPES_V.

INSERT_INVOICE_TYPES

Procedure Specification

```
Program Unit INSERT_INVOICE_TYPES
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_ityv_rec              IN      OKL_ITY_PVT.ITYV_REC_TYPE,
  x_ityv_rec              OUT     OKL_ITY_PVT.ITYV_REC_TYPE
);
```

Current Version

1.0

IN Parameters**Table 8–67 INSERT_INVOICE_TYPES IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ityv_rec	OKL_ITY_PVT.ITYV_REC_TYPE	Yes	Record type for OKL_INVOICE_TYPES_V.

OUT Parameters**Table 8–68 INSERT_INVOICE_TYPES OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ityv_rec	OKL_ITY_PVT.ITYV_REC_TYPE	Yes	Record type for OKL_INVOICE_TYPES_V.

8.4.3 LOCK_INVOICE_TYPES (Overloaded)

This overloaded procedure includes:

- [LOCK_INVOICE_TYPES](#) on page 8-44
- [LOCK_INVOICE_TYPES](#) on page 8-45

LOCK_INVOICE_TYPES

Procedure Specification

```
Program Unit LOCK_INVOICE_TYPES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_ityv_tbl             IN      OKL_ITY_PVT.ITYV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 8–69 LOCK_INVOICE_TYPES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ityv_tbl	OKL_ITY_PVT.ITYV_TBL_TYPE	Yes	Table of records for OKL_INVOICE_TYPES_V.

OUT Parameters

Table 8–70 LOCK_INVOICE_TYPES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_INVOICE_TYPES

Procedure Specification

```

Program Unit LOCK_INVOICE_TYPES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_ityv_rec             IN      OKL_ITY_PVT.ITYV_REC_TYPE
);

```

Current Version

1.0

IN Parameters

Table 8–71 LOCK_INVOICE_TYPES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ityv_rec	OKL_ITY_PVT.ITYV_REC_TYPE	Yes	Record type for OKL_INVOICE_TYPES_V.

OUT Parameters

Table 8–72 LOCK_INVOICE_TYPES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

8.4.4 UPDATE_INVOICE_TYPES (Overloaded)

This overloaded procedure includes:

- [UPDATE_INVOICE_TYPES](#) on page 8-46
- [UPDATE_INVOICE_TYPES](#) on page 8-47

UPDATE_INVOICE_TYPES

Procedure Specification

```
Program Unit UPDATE_INVOICE_TYPES
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_ityv_tbl              IN      OKL_ITY_PVT.ITYV_TBL_TYPE,
  x_ityv_tbl              OUT     OKL_ITY_PVT.ITYV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 8–73 UPDATE_INVOICE_TYPES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ityv_tbl	OKL_ITY_PVT.ITYV_TBL_TYPE	Yes	Table of records for OKL_INVOICE_TYPES_V.

OUT Parameters

Table 8–74 UPDATE_INVOICE_TYPES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ityv_tbl	OKL_ITY_PVT.ITYV_TBL_TYPE	Yes	Table of records for OKL_INVOICE_TYPES_V.

UPDATE_INVOICE_TYPES

Procedure Specification

Program Unit UPDATE_INVOICE_TYPES

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_ityv_rec             IN      OKL_ITY_PVT.ITYV_REC_TYPE,  
    x_ityv_rec             OUT     OKL_ITY_PVT.ITYV_REC_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 8–75 UPDATE_INVOICE_TYPES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 8–75 UPDATE_INVOICE_TYPES IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ityv_rec	OKL_ITY_PVT.ITYV_REC_TYPE	Yes	Record type for OKL_INVOICE_TYPES_V.

OUT Parameters

Table 8–76 UPDATE_INVOICE_TYPES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ityv_rec	OKL_ITY_PVT.ITYV_REC_TYPE	Yes	Record type for OKL_INVOICE_TYPES_V.

8.4.5 VALIDATE_INVOICE_TYPES (Overloaded)

This overloaded procedure includes:

- [VALIDATE_INVOICE_TYPES](#) on page 8-48
- [VALIDATE_INVOICE_TYPES](#) on page 8-49

VALIDATE_INVOICE_TYPES

Procedure Specification

```
Program Unit VALIDATE_INVOICE_TYPES
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_ityv_tbl              IN      OKL_ITY_PVT.ITYV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 8–77 *VALIDATE_INVOICE_TYPES IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ityv_tbl	OKL_ITY_PVT.ITYV_TBL_TYPE	Yes	Table of records for OKL_INVOICE_TYPES_V.

OUT Parameters

Table 8–78 *VALIDATE_INVOICE_TYPES OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_INVOICE_TYPES

Procedure Specification

Program Unit VALIDATE_INVOICE_TYPES

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_ityv_rec             IN      OKL_ITY_PVT.ITYV_REC_TYPE
```

);

Current Version

1.0

IN Parameters

Table 8–79 VALIDATE_INVOICE_TYPES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ityv_rec	OKL_ITY_PVT.ITYV_REC_TYPE	Yes	Record type for OKL_INVOICE_TYPES_V.

OUT Parameters

Table 8–80 VALIDATE_INVOICE_TYPES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

8.5 Package OKL_INV_FORMAT_DELETE_PUB

This package contains the following procedure:

- [DELETE_FORMAT \(Overloaded\)](#) on page 8-51

8.5.1 DELETE_FORMAT (Overloaded)

This overloaded procedure includes:

- [DELETE_FORMAT](#) on page 8-51
- [DELETE_FORMAT](#) on page 8-52

DELETE_FORMAT

Procedure Specification

```
Program Unit DELETE_FORMAT
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_inf_del_rec           IN      OKL_INV_FORMAT_DELETE_PVT.INF_DEL_REC_
  TYPE
);
```

Current Version

1.0

IN Parameters

Table 8–81 DELETE_FORMAT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_inf_del_rec	OKL_INV_FORMAT_DELETE_PVT.INF_DEL_REC_TYPE	Yes	Table of records for cascading deletion of invoice groups.

OUT Parameters

Table 8–82 DELETE_FORMAT OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_FORMAT

Procedure Specification

```
Program Unit DELETE_FORMAT
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_inf_del_tbl          IN      OKL_INV_FORMAT_DELETE_PVT.INF_DEL_TBL_
TYPE
);
```

Current Version

1.0

IN Parameters

Table 8–83 DELETE_FORMAT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 8–83 DELETE_FORMAT IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_inf_del_tbl	OKL_INV_FORMAT_DELETE_PVT.INF_DEL_TBL_TYPE	Yes	Table of records for cascading deletion of invoice groups.

OUT Parameters

Table 8–84 DELETE_FORMAT OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

8.6 Package OKL_INV_LINE_TYPE_DELETE_PUB

This package contains the following procedures:

- [DELETE_LINE_TYPE \(Overloaded\)](#) on page 8-53

8.6.1 DELETE_LINE_TYPE (Overloaded)

This overloaded procedure includes:

- [DELETE_LINE_TYPE](#) on page 8-53
- [DELETE_LINE_TYPE](#) on page 8-55

DELETE_LINE_TYPE

Procedure Specification

```
Program Unit DELETE_LINE_TYPE
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
```

```

x_msg_data          OUT      VARCHAR2,
p_ilt_del_rec       IN       OKL_INV_LINE_TYPE_DELETE_PVT.ILT_DEL_
REC_TYPE
);
```

Current Version
1.0

IN Parameters

Table 8–85 DELETE_LINE_TYPE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ilt_del_rec	OKL_INV_LINE_ TYPE_DELETE_ PVT.ILT_DEL_REC_ TYPE	Yes	Table of records for cascading deletion of invoice group line type.

OUT Parameters

Table 8–86 DELETE_LINE_TYPE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_LINE_TYPE

Procedure Specification

```
Program Unit DELETE_LINE_TYPE
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_ilt_del_tbl          IN      OKL_INV_LINE_TYPE_DELETE_PVT.ILT_DEL_
TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 8-87 DELETE_LINE_TYPE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ilt_del_tbl	OKL_INV_LINE_ TYPE_DELETE_ PVT.ILT_DEL_TBL_ TYPE	Yes	Table of records for cascading deletion of invoice group line types.

OUT Parameters

Table 8-88 DELETE_LINE_TYPE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 8–88 DELETE_LINE_TYPE OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

8.7 Package OKL_INV_TYPE_DELETE_PUB

This package contains the following procedures:

- [DELETE_TYPE \(Overloaded\)](#) on page 8-56

8.7.1 DELETE_TYPE (Overloaded)

This overloaded procedure includes:

- [DELETE_TYPE](#) on page 8-56
- [DELETE_TYPE](#) on page 8-57

DELETE_TYPE

Procedure Specification

```
Program Unit DELETE_TYPE
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_ity_del_rec           IN      OKL_INV_TYPE_DELETE_PVT.ITY_DEL_REC_
    TYPE
);
```

Current Version

1.0

IN Parameters

Table 8–89 DELETE_TYPE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ity_del_rec	OKL_INV_TYPE_DELETE_PVT.ITY_DEL_REC_TYPE	Yes	Table of records for cascading deletion of invoice types in an invoice group.

OUT Parameters

Table 8–90 DELETE_TYPE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_TYPE

Procedure Specification

```

Program Unit DELETE_TYPE
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_ity_del_tbl           IN      OKL_INV_TYPE_DELETE_PVT.ITY_DEL_TBL_
TYPE
);

```

Current Version

1.0

IN Parameters

Table 8–91 DELETE_TYPE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ity_del_tbl	OKL_INV_TYPE_DELETE_PVT.ITY_DEL_TBL_TYPE	Yes	Table of records for cascading deletion of invoice types in an invoice group.

OUT Parameters

Table 8–92 DELETE_TYPE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Interest Rate APIs

The following are public packages of Interest Rate APIs in Oracle Lease Management:

- [Package OKL_INDICES_PUB](#) on page 9-2
- [Package OKL_INTEREST_MAINT_PUB](#) on page 9-31

For information about all table and record type parameters, see [Appendix A, "API Data Structure Specifications"](#).

9.1 Package OKL_INDICES_PUB

This package contains the following procedures:

- [CREATE_INDEX_VALUES \(Overloaded\)](#) on page 9-2
- [CREATE_INDICES \(Overloaded\)](#) on page 9-5
- [DELETE_INDEX_VALUES \(Overloaded\)](#) on page 9-9
- [DELETE_INDICES \(Overloaded\)](#) on page 9-11
- [LOCK_INDEX_VALUES \(Overloaded\)](#) on page 9-13
- [LOCK_INDICES \(Overloaded\)](#) on page 9-16
- [UPDATE_INDEX_VALUES \(Overloaded\)](#) on page 9-18
- [UPDATE_INDICES \(Overloaded\)](#) on page 9-21
- [VALIDATE_INDEX_VALUES \(Overloaded\)](#) on page 9-25
- [VALIDATE_INDICES \(Overloaded\)](#) on page 9-27

9.1.1 CREATE_INDEX_VALUES (Overloaded)

This overloaded procedure includes:

- [CREATE_INDEX_VALUES](#) on page 9-2
- [CREATE_INDEX_VALUES](#) on page 9-3

CREATE_INDEX_VALUES

Procedure Specification

```
Program Unit CREATE_INDEX_VALUES
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_ivev_tbl              IN      OKL_IVE_PVT.IVEV_TBL_TYPE,
  x_ivev_tbl              OUT     OKL_IVE_PVT.IVEV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters**Table 9–1 CREATE_INDEX_VALUES IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ivev_tbl	OKL_IVE_ PVT.IVEV_TBL_ TYPE	Yes	Table Type for view OKL_INDEX_VALUES_V.

OUT Parameters**Table 9–2 CREATE_INDEX_VALUES OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ivev_tbl	OKL_IVE_ PVT.IVEV_TBL_ TYPE	Yes	Table Type for view OKL_INDEX_VALUES_V.

CREATE_INDEX_VALUES**Procedure Specification**

Program Unit CREATE_INDEX_VALUES

```

(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,

```

```
x_msg_data          OUT      VARCHAR2,
p_ivev_rec          IN       OKL_IVE_PVT.IVEV_REC_TYPE,
x_ivev_rec          OUT      OKL_IVE_PVT.IVEV_REC_TYPE
);
```

Current Version
1.0

IN Parameters

Table 9–3 CREATE_INDEX_VALUES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ivev_rec	OKL_IVE_PVT.IVEV_REC_TYPE	Yes	Record Type for view OKL_INDEX_VALUES_V.

OUT Parameters

Table 9–4 CREATE_INDEX_VALUES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ivev_rec	OKL_IVE_PVT.IVEV_REC_TYPE	Yes	Record Type for view OKL_INDEX_VALUES_V.

9.1.2 CREATE_INDICES (Overloaded)

This overloaded procedure includes:

- [CREATE_INDICES](#) on page 9-5
- [CREATE_INDICES](#) on page 9-6
- [CREATE_INDICES](#) on page 9-7

CREATE_INDICES

Procedure Specification

Program Unit CREATE_INDICES

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_idxv_rec             IN      OKL_IDX_PVT.IDXV_REC_TYPE,  
    p_ivev_tbl             IN      OKL_IVE_PVT.IVEV_TBL_TYPE,  
    x_idxv_rec             OUT     OKL_IDX_PVT.IDXV_REC_TYPE,  
    x_ivev_tbl             OUT     OKL_IVE_PVT.IVEV_TBL_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 9–5 CREATE_INDICES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idxv_rec	OKL_IDX_PVT.IDXV_REC_TYPE	Yes	Record Type for view OKL_INDICES_V.

Table 9–5 CREATE_INDICES IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_ivev_tbl	OKL_IVE_PVT.IVEV_TBL_TYPE	Yes	Table Type for view OKL_INDEX_VALUES_V.

OUT Parameters

Table 9–6 CREATE_INDICES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_idxv_rec	OKL_IDX_PVT.IDXV_REC_TYPE	Yes	Record Type for view OKL_INDICES_V.
x_ivev_tbl	OKL_IVE_PVT.IVEV_TBL_TYPE	Yes	Table Type for view OKL_INDEX_VALUES_V.

CREATE_INDICES

Procedure Specification

```
Program Unit CREATE_INDICES
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_idxv_tbl              IN      OKL_IDX_PVT.IDXV_TBL_TYPE,
    x_idxv_tbl              OUT     OKL_IDX_PVT.IDXV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters**Table 9–7 CREATE_INDICES IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idxv_tbl	OKL_IDX_ PVT.IDXV_TBL_ TYPE	Yes	Table Type for view OKL_ INDICES_V.

OUT Parameters**Table 9–8 CREATE_INDICES OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_idxv_tbl	OKL_IDX_ PVT.IDXV_TBL_ TYPE	Yes	Table Type for view OKL_ INDICES_V.

CREATE_INDICES**Procedure Specification**

Program Unit CREATE_INDICES

```

(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,

```

```
x_msg_data          OUT      VARCHAR2,
p_idxv_rec          IN       OKL_IDX_PVT.IDXV_REC_TYPE,
x_idxv_rec          OUT      OKL_IDX_PVT.IDXV_REC_TYPE
);
```

Current Version
1.0

IN Parameters

Table 9–9 CREATE_INDICES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idxv_rec	OKL_IDX_PVT.IDXV_REC_TYPE	Yes	Record Type for view OKL_INDICES_V.

OUT Parameters

Table 9–10 CREATE_INDICES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_idxv_rec	OKL_IDX_PVT.IDXV_REC_TYPE	Yes	Record Type for view OKL_INDICES_V.

9.1.3 DELETE_INDEX_VALUES (Overloaded)

This overloaded procedure includes:

- [DELETE_INDEX_VALUES](#) on page 9-9
- [DELETE_INDEX_VALUES](#) on page 9-10

DELETE_INDEX_VALUES

Procedure Specification

```
Program Unit DELETE_INDEX_VALUES
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_ivev_tbl              IN      OKL_IVE_PVT.IVEV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 9–11 *DELETE_INDEX_VALUES IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ivev_tbl	OKL_IVE_PVT.IVEV_TBL_TYPE	Yes	Table Type for view OKL_INDEX_VALUES_V.

OUT Parameters

Table 9–12 DELETE_INDEX_VALUES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_INDEX_VALUES

Procedure Specification

```
Program Unit DELETE_INDEX_VALUES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_ivev_rec             IN      OKL_IVE_PVT.IVEV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 9–13 DELETE_INDEX_VALUES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 9–13 DELETE_INDEX_VALUES IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_ivev_rec	OKL_IVE_ PVT.IVEV_REC_ TYPE	Yes	Record Type for view OKL_INDEX_VALUES_V.

OUT Parameters**Table 9–14 DELETE_INDEX_VALUES OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

9.1.4 DELETE_INDICES (Overloaded)

This overloaded procedure includes:

- [DELETE_INDICES](#) on page 9-11
- [DELETE_INDICES](#) on page 9-12

DELETE_INDICES**Procedure Specification**

Program Unit DELETE_INDICES

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_idxv_tbl            IN      OKL_IDX_PVT.IDXV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 9–15 DELETE_INDICES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idxv_tbl	OKL_IDX_PVT.IDXV_TBL_TYPE	Yes	Table Type for view OKL_INDICES_V.

OUT Parameters

Table 9–16 DELETE_INDICES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_INDICES

Procedure Specification

```
Program Unit DELETE_INDICES
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_idxv_rec              IN      OKL_IDX_PVT.IDXV_REC_TYPE
);
```


Current Version

1.0

IN Parameters**Table 9–17 DELETE_INDICES IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idxv_rec	OKL_IDX_ PVT.IDXV_REC_ TYPE	Yes	Record Type for view OKL_ INDICES_V.

OUT Parameters**Table 9–18 DELETE_INDICES OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

9.1.5 LOCK_INDEX_VALUES (Overloaded)

This overloaded procedure includes:

- [LOCK_INDEX_VALUES](#) on page 9-14
- [LOCK_INDEX_VALUES](#) on page 9-15

LOCK_INDEX_VALUES

Procedure Specification

```
Program Unit LOCK_INDEX_VALUES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_ivev_tbl             IN      OKL_IVE_PVT.IVEV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 9–19 LOCK_INDEX_VALUES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ivev_tbl	OKL_IVE_PVT.IVEV_TBL_TYPE	Yes	Table Type for view OKL_INDEX_VALUES_V.

OUT Parameters

Table 9–20 LOCK_INDEX_VALUES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 9–20 LOCK_INDEX_VALUES OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_INDEX_VALUES

Procedure Specification

```
Program Unit LOCK_INDEX_VALUES
(
    p_api_version          IN      NUMBER,
    p_init_msg_list       IN      VARCHAR2,
    x_return_status       OUT     VARCHAR2,
    x_msg_count           OUT     NUMBER,
    x_msg_data            OUT     VARCHAR2,
    p_ivev_rec            IN      OKL_IVE_PVT.IVEV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 9–21 LOCK_INDEX_VALUES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ivev_rec	OKL_IVE_PVT.IVEV_REC_TYPE	Yes	Record Type for view OKL_INDEX_VALUES_V.

OUT Parameters

Table 9–22 LOCK_INDEX_VALUES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

9.1.6 LOCK_INDICES (Overloaded)

This overloaded procedure includes:

- [LOCK_INDICES](#) on page 9-16
- [LOCK_INDICES](#) on page 9-17

LOCK_INDICES

Procedure Specification

```
Program Unit LOCK_INDICES
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_idxv_tbl              IN      OKL_IDX_PVT.IDXV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 9–23 LOCK_INDICES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idxv_tbl	OKL_IDX_PVT.IDXV_TBL_TYPE	Yes	Table Type for view OKL_INDICES_V.

OUT Parameters

Table 9–24 LOCK_INDICES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_INDICES

Procedure Specification

Program Unit LOCK_INDICES

```
(
  p_api_version          IN          NUMBER,
  p_init_msg_list        IN          VARCHAR2,
  x_return_status        OUT         VARCHAR2,
  x_msg_count            OUT         NUMBER,
  x_msg_data             OUT         VARCHAR2,
  p_idxv_rec             IN          OKL_IDX_PVT.IDXV_REC_TYPE
);
```

Current Version

1.0

IN Parameters**Table 9–25 LOCK_INDICES IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idxv_rec	OKL_IDX_PVT.IDXV_REC_TYPE	Yes	Record Type for view OKL_INDICES_V.

OUT Parameters**Table 9–26 LOCK_INDICES OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

9.1.7 UPDATE_INDEX_VALUES (Overloaded)

This overloaded procedure includes:

- [UPDATE_INDEX_VALUES](#) on page 9-19
- [UPDATE_INDEX_VALUES](#) on page 9-20

UPDATE_INDEX_VALUES

Procedure Specification

Program Unit UPDATE_INDEX_VALUES

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_ivev_tbl             IN      OKL_IVE_PVT.IVEV_TBL_TYPE,
  x_ivev_tbl             OUT     OKL_IVE_PVT.IVEV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 9–27 UPDATE_INDEX_VALUES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ivev_tbl	OKL_IVE_PVT.IVEV_TBL_TYPE	Yes	Table Type for view OKL_INDEX_VALUES_V.

OUT Parameters

Table 9–28 UPDATE_INDEX_VALUES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 9–28 UPDATE_INDEX_VALUES OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ivev_tbl	OKL_IVE_PVT.IVEV_TBL_TYPE	Yes	Table Type for view OKL_INDEX_VALUES_V.

UPDATE_INDEX_VALUES

Procedure Specification

```
Program Unit UPDATE_INDEX_VALUES
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_ivev_rec              IN      OKL_IVE_PVT.IVEV_REC_TYPE,
    x_ivev_rec              OUT     OKL_IVE_PVT.IVEV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 9–29 UPDATE_INDEX_VALUES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ivev_rec	OKL_IVE_PVT.IVEV_REC_TYPE	Yes	Record Type for view OKL_INDEX_VALUES_V.

OUT Parameters

Table 9–30 UPDATE_INDEX_VALUES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ivev_rec	OKL_IVE_PVT.IVEV_REC_TYPE	Yes	Record Type for view OKL_INDEX_VALUES_V.

9.1.8 UPDATE_INDICES (Overloaded)

This overloaded procedure includes:

- [UPDATE_INDICES](#) on page 9-21
- [UPDATE_INDICES](#) on page 9-23
- [UPDATE_INDICES](#) on page 9-24

UPDATE_INDICES

Procedure Specification

Program Unit UPDATE_INDICES

```
(
  p_api_version          IN          NUMBER,
  p_init_msg_list        IN          VARCHAR2,
  x_return_status        OUT         VARCHAR2,
  x_msg_count            OUT         NUMBER,
  x_msg_data             OUT         VARCHAR2,
  p_idxv_rec             IN          OKL_IDX_PVT.IDXV_REC_TYPE,
  p_ivev_tbl             IN          OKL_IVE_PVT.IVEV_TBL_TYPE,
  x_idxv_rec             OUT         OKL_IDX_PVT.IDXV_REC_TYPE,
  x_ivev_tbl             OUT         OKL_IVE_PVT.IVEV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 9–31 UPDATE_INDICES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idxv_rec	OKL_IDX_PVT.IDXV_REC_TYPE	Yes	Record Type for view OKL_INDICES_V.
p_ivev_tbl	OKL_IVE_PVT.IVEV_TBL_TYPE	Yes	Table Type for view OKL_INDEX_VALUES_V.

OUT Parameters

Table 9–32 UPDATE_INDICES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_idxv_rec	OKL_IDX_PVT.IDXV_REC_TYPE	Yes	Record Type for view OKL_INDICES_V.
x_ivev_tbl	OKL_IVE_PVT.IVEV_TBL_TYPE	Yes	Table Type for view OKL_INDEX_VALUES_V.

UPDATE_INDICES

Procedure Specification

Program Unit UPDATE_INDICES

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_idxv_tbl              IN      OKL_IDX_PVT.IDXV_TBL_TYPE,
  x_idxv_tbl              OUT     OKL_IDX_PVT.IDXV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 9–33 UPDATE_INDICES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idxv_tbl	OKL_IDX_PVT.IDXV_TBL_TYPE	Yes	Table Type for view OKL_INDICES_V.

OUT Parameters

Table 9–34 UPDATE_INDICES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 9–34 UPDATE_INDICES OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_idxv_tbl	OKL_IDX_PVT.IDXV_TBL_TYPE	Yes	Table Type for view OKL_INDICES_V.

UPDATE_INDICES

Procedure Specification

```
Program Unit UPDATE_INDICES
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_idxv_rec              IN      OKL_IDX_PVT.IDXV_REC_TYPE,
    x_idxv_rec              OUT     OKL_IDX_PVT.IDXV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 9–35 UPDATE_INDICES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idxv_rec	OKL_IDX_PVT.IDXV_REC_TYPE	Yes	Record Type for view OKL_INDICES_V.

OUT Parameters

Table 9–36 UPDATE_INDICES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_idxv_rec	OKL_IDX_PVT.IDXV_REC_TYPE	Yes	Record Type for view OKL_INDICES_V.

9.1.9 VALIDATE_INDEX_VALUES (Overloaded)

This overloaded procedure includes:

- [VALIDATE_INDEX_VALUES](#) on page 9-25
- [VALIDATE_INDEX_VALUES](#) on page 9-26

VALIDATE_INDEX_VALUES

Procedure Specification

```
Program Unit VALIDATE_INDEX_VALUES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_ivev_tbl            IN      OKL_IVE_PVT. IVEV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 9–37 *VALIDATE_INDEX_VALUES IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ivev_tbl	OKL_IVE_PVT.IVEV_TBL_TYPE	Yes	Table Type for view OKL_INDEX_VALUES_V.

OUT Parameters

Table 9–38 *VALIDATE_INDEX_VALUES OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_INDEX_VALUES

Procedure Specification

```
Program Unit VALIDATE_INDEX_VALUES
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_ivev_rec              IN      OKL_IVE_PVT.IVEV_REC_TYPE
);
```

Current Version

1.0

IN Parameters**Table 9–39** *VALIDATE_INDEX_VALUES IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ivev_rec	OKL_IVE_ PVT.IVEV_REC_ TYPE	Yes	Record Type for view OKL_INDEX_VALUES_V.

OUT Parameters**Table 9–40** *VALIDATE_INDEX_VALUES OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

9.1.10 VALIDATE_INDICES (Overloaded)

This overloaded procedure includes:

- [VALIDATE_INDICES](#) on page 9-28
- [VALIDATE_INDICES](#) on page 9-29
- [VALIDATE_INDICES](#) on page 9-30

VALIDATE_INDICES

Procedure Specification

```
Program Unit VALIDATE_INDICES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_idxv_rec             IN      OKL_IDX_PVT.IDXV_REC_TYPE,
  p_ivev_tbl             IN      OKL_IVE_PVT.IVEV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 9–41 VALIDATE_INDICES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idxv_rec	OKL_IDX_PVT.IDXV_REC_TYPE	Yes	Record Type for view OKL_INDICES_V.
p_ivev_tbl	OKL_IVE_PVT.IVEV_TBL_TYPE	Yes	Table Type for view OKL_INDEX_VALUES_V.

OUT Parameters

Table 9–42 VALIDATE_INDICES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Table 9–42 *VALIDATE_INDICES OUT Parameters (Cont.)*

Parameter	Data Type	Required	Description and Validation
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_INDICES

Procedure Specification

Program Unit VALIDATE_INDICES

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_idxv_tbl            IN      OKL_IDX_PVT.IDXV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 9–43 *VALIDATE_INDICES IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idxv_tbl	OKL_IDX_PVT.IDXV_TBL_TYPE	Yes	Table Type for view OKL_INDICES_V.

OUT Parameters

Table 9–44 VALIDATE_INDICES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_INDICES

Procedure Specification

```
Program Unit VALIDATE_INDICES
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_idxv_rec              IN      OKL_IDX_PVT.IDXV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 9–45 VALIDATE_INDICES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 9–45 *VALIDATE_INDICES IN Parameters (Cont.)*

Parameter	Data Type	Required	Description and Validation
p_idxv_rec	OKL_IDX_PVT.IDXV_REC_TYPE	Yes	Record Type for view OKL_INDICES_V.

OUT Parameters

Table 9–46 *VALIDATE_INDICES OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

9.2 Package OKL_INTEREST_MAINT_PUB

This package contains the following procedures:

- [INT_DTL_INS_UPDT \(Overloaded\)](#) on page 9-31
- [INT_HDR_INS_UPDT \(Overloaded\)](#) on page 9-34

9.2.1 INT_DTL_INS_UPDT (Overloaded)

This overloaded procedure includes:

- [INT_DTL_INS_UPDT](#) on page 9-31
- [INT_DTL_INS_UPDT](#) on page 9-32

INT_DTL_INS_UPDT

Procedure Specification

Program Unit INT_DTL_INS_UPDT

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
```

```
x_msg_count          OUT      NUMBER,
x_msg_data            OUT      VARCHAR2,
p_ivev_rec            IN       OKL_IVE_PVT.IVEV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 9–47 INT_DTL_INS_UPDT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ivev_rec	OKL_IVE_PVT.IVEV_REC_TYPE	Yes	Record Type for view OKL_INDEX_VALUES_V.

OUT Parameters

Table 9–48 INT_DTL_INS_UPDT OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

INT_DTL_INS_UPDT

Procedure Specification

```
Program Unit INT_DTL_INS_UPDT
(
  p_api_version          IN      NUMBER,
```

```

p_init_msg_list      IN      VARCHAR2,
x_return_status      OUT     VARCHAR2,
x_msg_count          OUT     NUMBER,
x_msg_data           OUT     VARCHAR2,
p_ivev_tbl           IN      OKL_IVE_PVT.IVEV_TBL_TYPE
);

```

Current Version

1.0

IN Parameters

Table 9–49 INT_DTL_INS_UPDT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ivev_tbl	OKL_IVE_PVT.IVEV_TBL_TYPE	Yes	Table Type for view OKL_INDEX_VALUES_V.

OUT Parameters

Table 9–50 INT_DTL_INS_UPDT OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

9.2.2 INT_HDR_INS_UPDT (Overloaded)

This overloaded procedure includes:

- [INT_HDR_INS_UPDT](#) on page 9-34
- [INT_HDR_INS_UPDT](#) on page 9-35

INT_HDR_INS_UPDT

Procedure Specification

```
Program Unit INT_HDR_INS_UPDT
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_idxv_rec              IN      OKL_IDX_PVT.IDXV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 9–51 INT_HDR_INS_UPDT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idxv_rec	OKL_IDX_PVT.IDXV_REC_TYPE	Yes	Record Type for view OKL_INDICES_V.

OUT Parameters

Table 9–52 INT_HDR_INS_UPDT OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

INT_HDR_INS_UPDT

Procedure Specification

```

Program Unit INT_HDR_INS_UPDT
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_idxv_tbl              IN      OKL_IDX_PVT.IDXV_TBL_TYPE
);

```

Current Version

1.0

IN Parameters

Table 9–53 INT_HDR_INS_UPDT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 9–53 INT_HDR_INS_UPDT IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_idxv_tbl	OKL_IDX_PVT.IDXV_TBL_TYPE	Yes	Table Type for view OKL_INDICES_V.

OUT Parameters

Table 9–54 INT_HDR_INS_UPDT OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Late Charge APIs

The following are public packages of Late Charge APIs in Oracle Lease Management:

- [Package OKL_LATE_POLICIES_PUB](#)
- [Package OKL_LPO_STRM_PUB](#)
- [Package OKL_STRM_TYPE_EXEMPT_PUB](#)

For information about all table and record type parameters, see [Appendix A, "API Data Structure Specifications"](#).

10.1 Package OKL_LATE_POLICIES_PUB

This package contains the following procedures:

- [DELETE_LATE_POLICIES \(Overloaded\)](#)
- [INSERT_LATE_POLICIES \(Overloaded\)](#)
- [LOCK_LATE_POLICIES \(Overloaded\)](#)
- [UPDATE_LATE_POLICIES \(Overloaded\)](#)
- [VALIDATE_LATE_POLICIES \(Overloaded\)](#)

10.1.1 DELETE_LATE_POLICIES (Overloaded)

This overloaded procedure includes:

- [DELETE_LATE_POLICIES](#) on page 10-2
- [DELETE_LATE_POLICIES](#) on page 10-3

DELETE_LATE_POLICIES

Procedure Specification

```
Program Unit DELETE_LATE_POLICIES
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_lpov_tbl              IN      OKL_LPO_PVT.LPOV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 10–1 DELETE_LATE_POLICIES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_lpv_tbl	OKL_LPO_PVT.LPOV_TBL_TYPE	Yes	Table of records of OKL_LATE_POLICIES_V.

OUT Parameters

Table 10–2 DELETE_LATE_POLICIES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_LATE_POLICIES

Procedure Specification

Program Unit DELETE_LATE_POLICIES

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_lpv_rec              IN      OKL_LPO_PVT.LPOV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 10–3 DELETE_LATE_POLICIES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_lpov_rec	OKL_LPO_PVT.LPOV_REC_TYPE	Yes	Record type definition for OKL_LATE_POLICIES_V.

OUT Parameters

Table 10–4 DELETE_LATE_POLICIES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

10.1.2 INSERT_LATE_POLICIES (Overloaded)

This overloaded procedure includes:

- [INSERT_LATE_POLICIES](#) on page 10-4
- [INSERT_LATE_POLICIES](#) on page 10-6

INSERT_LATE_POLICIES

Procedure Specification

```
Program Unit INSERT_LATE_POLICIES
(  

```

```
p_api_version          IN      NUMBER,  
p_init_msg_list        IN      VARCHAR2,  
x_return_status        OUT     VARCHAR2,  
x_msg_count            OUT     NUMBER,  
x_msg_data             OUT     VARCHAR2,  
p_lpvov_tbl            IN      OKL_LPO_PVT.LPOV_TBL_TYPE,  
x_lpvov_tbl            OUT     OKL_LPO_PVT.LPOV_TBL_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 10–5 INSERT_LATE_POLICIES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_lpvov_tbl	OKL_LPO_PVT.LPOV_TBL_TYPE	Yes	Table of records of OKL_LATE_POLICIES_V.

OUT Parameters

Table 10–6 INSERT_LATE_POLICIES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_lpvov_tbl	OKL_LPO_PVT.LPOV_TBL_TYPE	Yes	Table of records of OKL_LATE_POLICIES_V.

INSERT_LATE_POLICIES

Procedure Specification

```
Program Unit INSERT_LATE_POLICIES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_lpov_rec             IN      OKL_LPO_PVT.LPOV_REC_TYPE,
  x_lpov_rec             OUT     OKL_LPO_PVT.LPOV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 10-7 INSERT_LATE_POLICIES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_lpov_rec	OKL_LPO_PVT.LPOV_REC_TYPE	Yes	Record type definition for OKL_LATE_POLICIES_V.

OUT Parameters

Table 10-8 INSERT_LATE_POLICIES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 10–8 INSERT_LATE_POLICIES OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_lpv_rec	OKL_LPO_PVT.LPOV_REC_TYPE	Yes	Record type definition for OKL_LATE_POLICIES_V.

10.1.3 LOCK_LATE_POLICIES (Overloaded)

This overloaded procedure includes:

- [LOCK_LATE_POLICIES](#) on page 10-7
- [LOCK_LATE_POLICIES](#) on page 10-8

LOCK_LATE_POLICIES

Procedure Specification

Program Unit LOCK_LATE_POLICIES

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_lpv_tbl              IN      OKL_LPO_PVT.LPOV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 10–9 LOCK_LATE_POLICIES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 10–9 LOCK_LATE_POLICIES IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_lpov_tbl	OKL_LPO_PVT.LPOV_TBL_TYPE	Yes	Table of records of OKL_LATE_POLICIES_V.

OUT Parameters

Table 10–10 LOCK_LATE_POLICIES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_LATE_POLICIES

Procedure Specification

```
Program Unit LOCK_LATE_POLICIES
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_lpov_rec              IN      OKL_LPO_PVT.LPOV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 10–11 LOCK_LATE_POLICIES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_lpo_rec	OKL_LPO_PVT.LPOV_REC_TYPE	Yes	Record type definition for OKL_LATE_POLICIES_V.

OUT Parameters

Table 10–12 LOCK_LATE_POLICIES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

10.1.4 UPDATE_LATE_POLICIES (Overloaded)

This overloaded procedure includes:

- [UPDATE_LATE_POLICIES](#) on page 10-9
- [UPDATE_LATE_POLICIES](#) on page 10-11

UPDATE_LATE_POLICIES

Procedure Specification

Program Unit UPDATE_LATE_POLICIES

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,
```

```
x_msg_count      OUT      NUMBER,
x_msg_data       OUT      VARCHAR2,
p_lpov_tbl       IN       OKL_LPO_PVT.LPOV_TBL_TYPE,
x_lpov_tbl       OUT      OKL_LPO_PVT.LPOV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 10–13 UPDATE_LATE_POLICIES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_lpov_tbl	OKL_LPO_PVT.LPOV_TBL_TYPE	Yes	Table of records of OKL_LATE_POLICIES_V.

OUT Parameters

Table 10–14 UPDATE_LATE_POLICIES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_lpov_tbl	OKL_LPO_PVT.LPOV_TBL_TYPE	Yes	Table of records of OKL_LATE_POLICIES_V.

UPDATE_LATE_POLICIES

Procedure Specification

Program Unit UPDATE_LATE_POLICIES

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_lpov_rec             IN      OKL_LPO_PVT.LPOV_REC_TYPE,  
    x_lpov_rec             OUT     OKL_LPO_PVT.LPOV_REC_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 10–15 UPDATE_LATE_POLICIES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_lpov_rec	OKL_LPO_PVT.LPOV_REC_TYPE	Yes	Record type definition for OKL_LATE_POLICIES_V.

OUT Parameters

Table 10–16 UPDATE_LATE_POLICIES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 10–16 UPDATE_LATE_POLICIES OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_lpov_rec	OKL_LPO_PVT.LPOV_REC_TYPE	Yes	Record type definition for OKL_LATE_POLICIES_V.

10.1.5 VALIDATE_LATE_POLICIES (Overloaded)

This overloaded procedure includes:

- [VALIDATE_LATE_POLICIES](#) on page 10-12
- [VALIDATE_LATE_POLICIES](#) on page 10-13

VALIDATE_LATE_POLICIES

Procedure Specification

```
Program Unit VALIDATE_LATE_POLICIES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_lpov_tbl             IN      OKL_LPO_PVT.LPOV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 10–17 VALIDATE_LATE_POLICIES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 10–17 VALIDATE_LATE_POLICIES IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_lpv_tbl	OKL_LPO_PVT.LPOV_TBL_TYPE	Yes	Table of records of OKL_LATE_POLICIES_V.

OUT Parameters

Table 10–18 VALIDATE_LATE_POLICIES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_LATE_POLICIES

Procedure Specification

```

Program Unit VALIDATE_LATE_POLICIES
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_lpv_rec               IN      OKL_LPO_PVT.LPOV_REC_TYPE
);

```

Current Version

1.0

IN Parameters

Table 10–19 *VALIDATE_LATE_POLICIES IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_lpov_rec	OKL_LPO_PVT.LPOV_REC_TYPE	Yes	Record type definition for OKL_LATE_POLICIES_V.

OUT Parameters

Table 10–20 *VALIDATE_LATE_POLICIES OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

10.2 Package OKL_LPO_STRM_PUB

This package contains the following procedure:

- [CREATE_LPO_STREAMS](#)

10.2.1 CREATE_LPO_STREAMS

Procedure Specification

```
Program Unit CREATE_LPO_STREAMS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
```

```

x_msg_data          OUT    VARCHAR2,
p_lpo_id            IN      NUMBER
);

```

Current Version

1.0

IN Parameters

Table 10–21 CREATE_LPO_STREAMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_lpo_id	NUMBER	Yes	ID of OKL_LATE_POLICIES_V table.

OUT Parameters

Table 10–22 CREATE_LPO_STREAMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

10.3 Package OKL_STRM_TYPE_EXEMPT_PUB

This package contains the following procedures:

- [DELETE_STRM_TYPE_EXEMPT \(Overloaded\)](#)
- [INSERT_STRM_TYPE_EXEMPT \(Overloaded\)](#)
- [LOCK_STRM_TYPE_EXEMPT \(Overloaded\)](#)

- [UPDATE_STRM_TYPE_EXEMPT \(Overloaded\)](#)
- [VALIDATE_STRM_TYPE_EXEMPT \(Overloaded\)](#)

10.3.1 DELETE_STRM_TYPE_EXEMPT (Overloaded)

This overloaded procedure includes:

- [DELETE_STRM_TYPE_EXEMPT](#) on page 10-16
- [DELETE_STRM_TYPE_EXEMPT](#) on page 10-17

DELETE_STRM_TYPE_EXEMPT

Procedure Specification

```
Program Unit DELETE_STRM_TYPE_EXEMPT
(
    p_api_version           IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_slxv_tbl             IN      OKL_SLX_PVT.SLXV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 10–23 DELETE_STRM_TYPE_EXEMPT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_slxv_tbl	OKL_SLX_PVT.SLXV_TBL_TYPE	Yes	Table of records of OKL_STRM_TYPE_EXEMPT_V.

OUT Parameters

Table 10–24 DELETE_STRM_TYPE_EXEMPT OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_STRM_TYPE_EXEMPT

Procedure Specification

Program Unit DELETE_STRM_TYPE_EXEMPT

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_slxv_rec              IN      OKL_SLX_PVT.SLXV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 10–25 DELETE_STRM_TYPE_EXEMPT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 10–25 DELETE_STRM_TYPE_EXEMPT IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_slxv_rec	OKL_SLX_PVT.SLXV_REC_TYPE	Yes	Record type definition for OKL_STRM_TYPE_EXEMPT_V.

OUT Parameters

Table 10–26 DELETE_STRM_TYPE_EXEMPT OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

10.3.2 INSERT_STRM_TYPE_EXEMPT (Overloaded)

This overloaded procedure includes:

- [INSERT_STRM_TYPE_EXEMPT](#) on page 10-18
- [INSERT_STRM_TYPE_EXEMPT](#) on page 10-19

INSERT_STRM_TYPE_EXEMPT

Procedure Specification

```
Program Unit INSERT_STRM_TYPE_EXEMPT
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_slxv_tbl             IN      OKL_SLX_PVT.SLXV_TBL_TYPE,
    x_slxv_tbl             OUT     OKL_SLX_PVT.SLXV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 10-27 INSERT_STRM_TYPE_EXEMPT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_slxv_tbl	OKL_SLX_PVT.SLXV_TBL_TYPE	Yes	Table of records of OKL_STRM_TYPE_EXEMPT_V.

OUT Parameters

Table 10-28 INSERT_STRM_TYPE_EXEMPT OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_slxv_tbl	OKL_SLX_PVT.SLXV_TBL_TYPE	Yes	Table of records of OKL_STRM_TYPE_EXEMPT_V.

INSERT_STRM_TYPE_EXEMPT

Procedure Specification

```
Program Unit INSERT_STRM_TYPE_EXEMPT
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
```

```

x_msg_data          OUT      VARCHAR2,
p_slxv_rec           IN       OKL_SLX_PVT.SLXV_REC_TYPE,
x_slxv_rec           OUT      OKL_SLX_PVT.SLXV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 10–29 INSERT_STRM_TYPE_EXEMPT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_slxv_rec	OKL_SLX_PVT.SLXV_REC_TYPE	Yes	Record type definition for OKL_STRM_TYPE_EXEMPT_V.

OUT Parameters

Table 10–30 INSERT_STRM_TYPE_EXEMPT OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_slxv_rec	OKL_SLX_PVT.SLXV_REC_TYPE	Yes	Record type definition for OKL_STRM_TYPE_EXEMPT_V.

10.3.3 LOCK_STRM_TYPE_EXEMPT (Overloaded)

This overloaded procedure includes:

- [LOCK_STRM_TYPE_EXEMPT](#) on page 10-21
- [LOCK_STRM_TYPE_EXEMPT](#) on page 10-22

LOCK_STRM_TYPE_EXEMPT

Procedure Specification

```
Program Unit LOCK_STRM_TYPE_EXEMPT
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_slxv_tbl              IN      OKL_SLX_PVT.SLXV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 10–31 LOCK_STRM_TYPE_EXEMPT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_slxv_tbl	OKL_SLX_PVT.SLXV_TBL_TYPE	Yes	Table of records of OKL_STRM_TYPE_EXEMPT_V.

OUT Parameters

Table 10–32 LOCK_STRM_TYPE_EXEMPT OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_STRM_TYPE_EXEMPT

Procedure Specification

```
Program Unit LOCK_STRM_TYPE_EXEMPT
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_slxv_rec              IN      OKL_SLX_PVT.SLXV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 10–33 LOCK_STRM_TYPE_EXEMPT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 10–33 LOCK_STRM_TYPE_EXEMPT IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_slxv_rec	OKL_SLX_PVT.SLXV_REC_TYPE	Yes	Record type definition for OKL_STRM_TYPE_EXEMPT_V.

OUT Parameters

Table 10–34 LOCK_STRM_TYPE_EXEMPT OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

10.3.4 UPDATE_STRM_TYPE_EXEMPT (Overloaded)

This overloaded procedure includes:

- [UPDATE_STRM_TYPE_EXEMPT](#) on page 10-23
- [UPDATE_STRM_TYPE_EXEMPT](#) on page 10-24

UPDATE_STRM_TYPE_EXEMPT

Procedure Specification

Program Unit UPDATE_STRM_TYPE_EXEMPT

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_slxv_tbl             IN      OKL_SLX_PVT.SLXV_TBL_TYPE,
  x_slxv_tbl             OUT     OKL_SLX_PVT.SLXV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 10–35 UPDATE_STRM_TYPE_EXEMPT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_slxv_tbl	OKL_SLX_PVT.SLXV_TBL_TYPE	Yes	Table of records of OKL_STRM_TYPE_EXEMPT_V.

OUT Parameters

Table 10–36 UPDATE_STRM_TYPE_EXEMPT OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_slxv_tbl	OKL_SLX_PVT.SLXV_TBL_TYPE	Yes	Table of records of OKL_STRM_TYPE_EXEMPT_V.

UPDATE_STRM_TYPE_EXEMPT

Procedure Specification

```
Program Unit UPDATE_STRM_TYPE_EXEMPT
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
```



```

x_msg_data          OUT      VARCHAR2,
p_slxv_rec          IN       OKL_SLX_PVT.SLXV_REC_TYPE,
x_slxv_rec          OUT      OKL_SLX_PVT.SLXV_REC_TYPE
);

```

Current Version

1.0

IN Parameters

Table 10–37 UPDATE_STRM_TYPE_EXEMPT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_slxv_rec	OKL_SLX_PVT.SLXV_REC_TYPE	Yes	Record type definition of OKL_STRM_TYPE_EXEMPT_V.

OUT Parameters

Table 10–38 UPDATE_STRM_TYPE_EXEMPT OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_slxv_rec	OKL_SLX_PVT.SLXV_REC_TYPE	Yes	Record type definition of OKL_STRM_TYPE_EXEMPT_V.

10.3.5 VALIDATE_STRM_TYPE_EXEMPT (Overloaded)

This overloaded procedure includes:

- [VALIDATE_STRM_TYPE_EXEMPT](#) on page 10-26
- [VALIDATE_STRM_TYPE_EXEMPT](#) on page 10-27

VALIDATE_STRM_TYPE_EXEMPT

Procedure Specification

```
Program Unit VALIDATE_STRM_TYPE_EXEMPT
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_slxv_tbl              IN      OKL_SLX_PVT.SLXV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 10–39 *VALIDATE_STRM_TYPE_EXEMPT IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_slxv_tbl	OKL_SLX_PVT.SLXV_TBL_TYPE	Yes	Table of records of OKL_STRM_TYPE_EXEMPT_V.

OUT Parameters

Table 10–40 *VALIDATE_STRM_TYPE_EXEMPT OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_STRM_TYPE_EXEMPT

Procedure Specification

Program Unit VALIDATE_STRM_TYPE_EXEMPT

```
(  
    p_api_version           IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status         OUT     VARCHAR2,  
    x_msg_count             OUT     NUMBER,  
    x_msg_data              OUT     VARCHAR2,  
    p_slxv_rec              IN      OKL_SLX_PVT.SLXV_REC_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 10–41 *VALIDATE_STRM_TYPE_EXEMPT IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 10–41 VALIDATE_STRM_TYPE_EXEMPT IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_slxv_rec	OKL_SLX_ PVT.SLXV_REC_ TYPE	Yes	Record type definition for OKL_STRM_TYPE_EXEMPT_ V.

OUT Parameters

Table 10–42 VALIDATE_STRM_TYPE_EXEMPT OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Cash Search and Application Rule APIs

The following are public packages of Cash Search and Application Rule APIs in Oracle Lease Management:

- [Package OKL_CASH_ALLCTN_RLS_PUB](#) on page 11-2
- [Package OKL_CSH_ALLCT_RULES_PUB](#) on page 11-14
- [Package OKL_CSH_ALLCT_SRCHS_PUB](#) on page 11-17
- [Package OKL_CSH_ORDER_SEQ_PUB](#) on page 11-29
- [Package OKL_SRCH_STRM_TYPS_PUB](#) on page 11-32
- [Package OKL_STRM_TYP_ALLOCS_PUB](#) on page 11-44

For information about all Table and Record type parameters, see [Appendix A, "API Data Structure Specifications"](#).

11.1 Package OKL_CASH_ALLCTN_RLS_PUB

This package contains the following procedures:

- [DELETE_CASH_ALLCTN_RLS \(Overloaded\)](#) on page 11-2
- [INSERT_CASH_ALLCTN_RLS \(Overloaded\)](#) on page 11-4
- [LOCK_CASH_ALLCTN_RLS \(Overloaded\)](#) on page 11-7
- [UPDATE_CASH_ALLCTN_RLS \(Overloaded\)](#) on page 11-9
- [VALIDATE_CASH_ALLCTN_RLS \(Overloaded\)](#) on page 11-12

11.1.1 DELETE_CASH_ALLCTN_RLS (Overloaded)

This overloaded procedure includes:

- [DELETE_CASH_ALLCTN_RLS](#) on page 11-2
- [DELETE_CASH_ALLCTN_RLS](#) on page 11-3

DELETE_CASH_ALLCTN_RLS

Procedure Specification

```
Program Unit DELETE_CASH_ALLCTN_RLS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_catv_tbl              IN      OKL_CAT_PVT.CATV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 11-1 DELETE_CASH_ALLCTN_RLS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_catv_tbl	OKL_CAT_PVT.CATV_TBL_TYPE	Yes	Table of records for OKL_CASH_ALLCTN_RLS_V.

OUT Parameters

Table 11-2 DELETE_CASH_ALLCTN_RLS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_CASH_ALLCTN_RLS

Procedure Specification

Program Unit DELETE_CASH_ALLCTN_RLS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_catv_rec             IN      OKL_CAT_PVT.CATV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 11–3 DELETE_CASH_ALLCTN_RLS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_catv_rec	OKL_CAT_PVT.CATV_REC_TYPE	Yes	Record type for OKL_CASH_ALLCTN_RLS_V.

OUT Parameters

Table 11–4 DELETE_CASH_ALLCTN_RLS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

11.1.2 INSERT_CASH_ALLCTN_RLS (Overloaded)

This overloaded procedure includes:

- [INSERT_CASH_ALLCTN_RLS](#) on page 11-4
- [INSERT_CASH_ALLCTN_RLS](#) on page 11-6

INSERT_CASH_ALLCTN_RLS

Procedure Specification

```
Program Unit INSERT_CASH_ALLCTN_RLS
(
```



```

p_api_version          IN      NUMBER,
p_init_msg_list        IN      VARCHAR2,
x_return_status        OUT     VARCHAR2,
x_msg_count            OUT     NUMBER,
x_msg_data             OUT     VARCHAR2,
p_catv_tbl            IN      OKL_CAT_PVT.CATV_TBL_TYPE,
x_catv_tbl            OUT     OKL_CAT_PVT.CATV_TBL_TYPE
);

```

Current Version

1.0

IN Parameters

Table 11–5 INSERT_CASH_ALLCTN_RLS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_catv_tbl	OKL_CAT_PVT.CATV_TBL_TYPE	Yes	Table of records for OKL_CASH_ALLCTN_RLS_V.

OUT Parameters

Table 11–6 INSERT_CASH_ALLCTN_RLS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_catv_tbl	OKL_CAT_PVT.CATV_TBL_TYPE	Yes	Table of records for OKL_CASH_ALLCTN_RLS_V.

INSERT_CASH_ALLCTN_RLS

Procedure Specification

```
Program Unit INSERT_CASH_ALLCTN_RLS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_catv_rec              IN      OKL_CAT_PVT.CATV_REC_TYPE,
    x_catv_rec              OUT     OKL_CAT_PVT.CATV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 11–7 INSERT_CASH_ALLCTN_RLS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_catv_rec	OKL_CAT_PVT.CATV_REC_TYPE	Yes	Record type for OKL_CASH_ALLCTN_RLS_V.

OUT Parameters

Table 11–8 INSERT_CASH_ALLCTN_RLS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 11–8 INSERT_CASH_ALLCTN_RLS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_catv_rec	OKL_CAT_PVT.CATV_REC_TYPE	Yes	Record type for OKL_CASH_ALLCTN_RLS_V.

11.1.3 LOCK_CASH_ALLCTN_RLS (Overloaded)

This overloaded procedure includes:

- [LOCK_CASH_ALLCTN_RLS](#) on page 11-7
- [LOCK_CASH_ALLCTN_RLS](#) on page 11-8

LOCK_CASH_ALLCTN_RLS

Procedure Specification

Program Unit LOCK_CASH_ALLCTN_RLS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_catv_tbl            IN      OKL_CAT_PVT.CATV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 11–9 LOCK_CASH_ALLCTN_RLS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 11–9 LOCK_CASH_ALLCTN_RLS IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_catv_tbl	OKL_CAT_PVT.CATV_TBL_TYPE	Yes	Table of records for OKL_CASH_ALLCTN_RLS_V.

OUT Parameters

Table 11–10 LOCK_CASH_ALLCTN_RLS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_CASH_ALLCTN_RLS

Procedure Specification

```
Program Unit LOCK_CASH_ALLCTN_RLS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_catv_rec              IN      OKL_CAT_PVT.CATV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 11–11 LOCK_CASH_ALLCTN_RLS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_catv_rec	OKL_CAT_PVT.CATV_REC_TYPE	Yes	Record type for OKL_CASH_ALLCTN_RLS_V.

OUT Parameters

Table 11–12 LOCK_CASH_ALLCTN_RLS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

11.1.4 UPDATE_CASH_ALLCTN_RLS (Overloaded)

This overloaded procedure includes:

- [UPDATE_CASH_ALLCTN_RLS](#) on page 11-9
- [UPDATE_CASH_ALLCTN_RLS](#) on page 11-11

UPDATE_CASH_ALLCTN_RLS

Procedure Specification

Program Unit UPDATE_CASH_ALLCTN_RLS

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
```

```

    x_msg_data          OUT      VARCHAR2,
    p_catv_tbl          IN       OKL_CAT_PVT.CATV_TBL_TYPE,
    x_catv_tbl          OUT      OKL_CAT_PVT.CATV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 11–13 UPDATE_CASH_ALLCTN_RLS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_catv_tbl	OKL_CAT_PVT.CATV_TBL_TYPE	Yes	Table of records for OKL_CASH_ALLCTN_RLS_V.

OUT Parameters

Table 11–14 UPDATE_CASH_ALLCTN_RLS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_catv_tbl	OKL_CAT_PVT.CATV_TBL_TYPE	Yes	Table of records for OKL_CASH_ALLCTN_RLS_V.

UPDATE_CASH_ALLCTN_RLS

Procedure Specification

Program Unit UPDATE_CASH_ALLCTN_RLS

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_catv_rec             IN      OKL_CAT_PVT.CATV_REC_TYPE,  
    x_catv_rec             OUT     OKL_CAT_PVT.CATV_REC_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 11–15 UPDATE_CASH_ALLCTN_RLS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_catv_rec	OKL_CAT_PVT.CATV_REC_TYPE	Yes	Record type for OKL_CASH_ALLCTN_RLS_V.

OUT Parameters

Table 11–16 UPDATE_CASH_ALLCTN_RLS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 11–16 UPDATE_CASH_ALLCTN_RLS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_catv_rec	OKL_CAT_PVT.CATV_REC_TYPE	Yes	Record type for OKL_CASH_ALLCTN_RLS_V.

11.1.5 VALIDATE_CASH_ALLCTN_RLS (Overloaded)

This overloaded procedure includes:

- [VALIDATE_CASH_ALLCTN_RLS](#) on page 11-12
- [VALIDATE_CASH_ALLCTN_RLS](#) on page 11-13

VALIDATE_CASH_ALLCTN_RLS

Procedure Specification

```
Program Unit VALIDATE_CASH_ALLCTN_RLS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_catv_tbl              IN      OKL_CAT_PVT.CATV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 11–17 VALIDATE_CASH_ALLCTN_RLS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 11–17 VALIDATE_CASH_ALLCTN_RLS IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_catv_tbl	OKL_CAT_PVT.CATV_TBL_TYPE	Yes	Table of records for OKL_CASH_ALLCTN_RLS_V.

OUT Parameters

Table 11–18 VALIDATE_CASH_ALLCTN_RLS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_CASH_ALLCTN_RLS

Procedure Specification

Program Unit VALIDATE_CASH_ALLCTN_RLS

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_catv_rec              IN      OKL_CAT_PVT.CATV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 11–19 *VALIDATE_CASH_ALLCTN_RLS IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_catv_rec	OKL_CAT_PVT.CATV_REC_TYPE	Yes	Record type for OKL_CASH_ALLCTN_RLS_V.

OUT Parameters

Table 11–20 *VALIDATE_CASH_ALLCTN_RLS OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

11.2 Package OKL_CSH_ALLCT_RULES_PUB

This package contains the following procedure:

- [DELETE_COMB_RULES \(Overloaded\)](#) on page 11-14

11.2.1 DELETE_COMB_RULES (Overloaded)

This overloaded procedure includes:

- [DELETE_COMB_RULES](#) on page 11-15
- [DELETE_COMB_RULES](#) on page 11-16

DELETE_COMB_RULES

Procedure Specification

Program Unit DELETE_COMB_RULES

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_cahv_rec             IN      OKL_CAH_PVT.CAHV_REC_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 11–21 DELETE_COMB_RULES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_cahv_rec	OKL_CAH_PVT.CAHV_REC_TYPE	Yes	Record type for OKL_CSH_ALLCT_SRCHS_V.

OUT Parameters

Table 11–22 DELETE_COMB_RULES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 11–22 DELETE_COMB_RULES OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_COMB_RULES

Procedure Specification

```
Program Unit DELETE_COMB_RULES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_cahv_tbl             IN      OKL_CAH_PVT.CAHV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 11–23 DELETE_COMB_RULES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_cahv_tbl	OKL_CAH_PVT.CAHV_TBL_TYPE	Yes	Table of records for OKL_CSH_ALLCT_SRCHS_V.

OUT Parameters

Table 11–24 DELETE_COMB_RULES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

11.3 Package OKL_CSH_ALLCT_SRCHS_PUB

This package contains the following procedures:

- [DELETE_CSH_ALLCT_SRCHS \(Overloaded\)](#) on page 11-17
- [INSERT_CSH_ALLCT_SRCHS \(Overloaded\)](#) on page 11-19
- [LOCK_CSH_ALLCT_SRCHS \(Overloaded\)](#) on page 11-22
- [UPDATE_CSH_ALLCT_SRCHS \(Overloaded\)](#) on page 11-24
- [VALIDATE_CSH_ALLCT_SRCHS \(Overloaded\)](#) on page 11-27

11.3.1 DELETE_CSH_ALLCT_SRCHS (Overloaded)

This overloaded procedure includes:

- [DELETE_CSH_ALLCT_SRCHS](#) on page 11-17
- [DELETE_CSH_ALLCT_SRCHS](#) on page 11-18

DELETE_CSH_ALLCT_SRCHS

Procedure Specification

Program Unit DELETE_CSH_ALLCT_SRCHS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
```

```

    p_cahv_tbl                                IN      OKL_CAH_PVT.CAHV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 11–25 DELETE_CSH_ALLCT_SRCHS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_cahv_tbl	OKL_CAH_PVT.CAHV_TBL_TYPE	Yes	Table of records for OKL_CSH_ALLCT_SRCHS_V.

OUT Parameters

Table 11–26 DELETE_CSH_ALLCT_SRCHS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_CSH_ALLCT_SRCHS

Procedure Specification

```

Program Unit DELETE_CSH_ALLCT_SRCHS
(
    p_api_version      IN      NUMBER,
    p_init_msg_list    IN      VARCHAR2,
    x_return_status    OUT     VARCHAR2,
```

```

x_msg_count          OUT      NUMBER,
x_msg_data           OUT      VARCHAR2,
p_cahv_rec           IN       OKL_CAH_PVT.CAHV_REC_TYPE
);

```

Current Version

1.0

IN Parameters

Table 11-27 DELETE_CSH_ALLCT_SRCHS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_cahv_rec	OKL_CAH_PVT.CAHV_REC_TYPE	Yes	Record type for OKL_CSH_ALLCT_SRCHS_V.

OUT Parameters

Table 11-28 DELETE_CSH_ALLCT_SRCHS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

11.3.2 INSERT_CSH_ALLCT_SRCHS (Overloaded)

This overloaded procedure includes:

- [INSERT_CSH_ALLCT_SRCHS](#) on page 11-20
- [INSERT_CSH_ALLCT_SRCHS](#) on page 11-21

INSERT_CSH_ALLCT_SRCHS

Procedure Specification

```
Program Unit INSERT_CSH_ALLCT_SRCHS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_cahv_tbl             IN      OKL_CAH_PVT.CAHV_TBL_TYPE,
    x_cahv_tbl             OUT     OKL_CAH_PVT.CAHV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 11–29 INSERT_CSH_ALLCT_SRCHS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_cahv_tbl	OKL_CAH_PVT.CAHV_TBL_TYPE	Yes	Table of records for OKL_CSH_ALLCT_SRCHS_V.

OUT Parameters

Table 11–30 INSERT_CSH_ALLCT_SRCHS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 11–30 INSERT_CSH_ALLCT_SRCHS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_cahv_tbl	OKL_CAH_PVT.CAHV_TBL_TYPE	Yes	Table of records for OKL_CSH_ALLCT_SRCHS_V.

INSERT_CSH_ALLCT_SRCHS

Procedure Specification

Program Unit INSERT_CSH_ALLCT_SRCHS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_cahv_rec             IN      OKL_CAH_PVT.CAHV_REC_TYPE,
  x_cahv_rec             OUT     OKL_CAH_PVT.CAHV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 11–31 INSERT_CSH_ALLCT_SRCHS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_cahv_rec	OKL_CAH_PVT.CAHV_REC_TYPE	Yes	Record type for OKL_CSH_ALLCT_SRCHS_V.

OUT Parameters

Table 11–32 INSERT_CSH_ALLCT_SRCHS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_cahv_rec	OKL_CAH_PVT.CAHV_REC_TYPE	Yes	Record type for OKL_CSH_ALLCT_SRCHS_V.

11.3.3 LOCK_CSH_ALLCT_SRCHS (Overloaded)

This overloaded procedure includes:

- [LOCK_CSH_ALLCT_SRCHS](#) on page 11-22
- [LOCK_CSH_ALLCT_SRCHS](#) on page 11-23

LOCK_CSH_ALLCT_SRCHS

Procedure Specification

```
Program Unit LOCK_CSH_ALLCT_SRCHS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_cahv_tbl              IN      OKL_CAH_PVT.CAHV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 11–33 LOCK_CSH_ALLCT_SRCHS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_cahv_tbl	OKL_CAH_PVT.CAHV_TBL_TYPE	Yes	Table of records for OKL_CSH_ALLCT_SRCHS_V.

OUT Parameters

Table 11–34 LOCK_CSH_ALLCT_SRCHS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_CSH_ALLCT_SRCHS

Procedure Specification

Program Unit LOCK_CSH_ALLCT_SRCHS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_cahv_rec             IN      OKL_CAH_PVT.CAHV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 11–35 LOCK_CSH_ALLCT_SRCHS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_cahv_rec	OKL_CAH_PVT.CAHV_REC_TYPE	Yes	Record type for OKL_CSH_ALLCT_SRCHS_V.

OUT Parameters

Table 11–36 LOCK_CSH_ALLCT_SRCHS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

11.3.4 UPDATE_CSH_ALLCT_SRCHS (Overloaded)

This overloaded procedure includes:

- [UPDATE_CSH_ALLCT_SRCHS](#) on page 11-24
- [UPDATE_CSH_ALLCT_SRCHS](#) on page 11-26

UPDATE_CSH_ALLCT_SRCHS

Procedure Specification

Program Unit UPDATE_CSH_ALLCT_SRCHS
(

```

p_api_version          IN      NUMBER,
p_init_msg_list        IN      VARCHAR2,
x_return_status        OUT     VARCHAR2,
x_msg_count            OUT     NUMBER,
x_msg_data             OUT     VARCHAR2,
p_cahv_tbl             IN      OKL_CAH_PVT.CAHV_TBL_TYPE,
x_cahv_tbl             OUT     OKL_CAH_PVT.CAHV_TBL_TYPE
);

```

Current Version

1.0

IN Parameters

Table 11–37 UPDATE_CSH_ALLCT_SRCHS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_cahv_tbl	OKL_CAH_PVT.CAHV_TBL_TYPE	Yes	Table of records for OKL_CSH_ALLCT_SRCHS_V.

OUT Parameters

Table 11–38 UPDATE_CSH_ALLCT_SRCHS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_cahv_tbl	OKL_CAH_PVT.CAHV_TBL_TYPE	Yes	Table of records for OKL_CSH_ALLCT_SRCHS_V.

UPDATE_CSH_ALLCT_SRCHS

Procedure Specification

```
Program Unit UPDATE_CSH_ALLCT_SRCHS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_cahv_rec             IN      OKL_CAH_PVT.CAHV_REC_TYPE,
  x_cahv_rec             OUT     OKL_CAH_PVT.CAHV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 11–39 UPDATE_CSH_ALLCT_SRCHS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_cahv_rec	OKL_CAH_PVT.CAHV_REC_TYPE	Yes	Record type for OKL_CSH_ALLCT_SRCHS_V.

OUT Parameters

Table 11–40 UPDATE_CSH_ALLCT_SRCHS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 11–40 UPDATE_CSH_ALLCT_SRCHS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_cahv_rec	OKL_CAH_PVT.CAHV_REC_TYPE	Yes	Record type for OKL_CSH_ALLCT_SRCHS_V.

11.3.5 VALIDATE_CSH_ALLCT_SRCHS (Overloaded)

This overloaded procedure includes:

- [VALIDATE_CSH_ALLCT_SRCHS](#) on page 11-27
- [VALIDATE_CSH_ALLCT_SRCHS](#) on page 11-28

VALIDATE_CSH_ALLCT_SRCHS

Procedure Specification

Program Unit VALIDATE_CSH_ALLCT_SRCHS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_cahv_tbl             IN      OKL_CAH_PVT.CAHV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 11–41 VALIDATE_CSH_ALLCT_SRCHS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 11–41 VALIDATE_CSH_ALLCT_SRCHS IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_cahv_tbl	OKL_CAH_PVT.CAHV_TBL_TYPE	Yes	Table of records for OKL_CSH_ALLCT_SRCHS_V.

OUT Parameters

Table 11–42 VALIDATE_CSH_ALLCT_SRCHS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_CSH_ALLCT_SRCHS

Procedure Specification

```
Program Unit VALIDATE_CSH_ALLCT_SRCHS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_cahv_rec              IN      OKL_CAH_PVT.CAHV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 11–43 *VALIDATE_CSH_ALLCT_SRCHS IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_cahv_rec	OKL_CAH_PVT.CAHV_REC_TYPE	Yes	Record type for OKL_CSH_ALLCT_SRCHS_V.

OUT Parameters

Table 11–44 *VALIDATE_CSH_ALLCT_SRCHS OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

11.4 Package OKL_CSH_ORDER_SEQ_PUB

This package contains the following procedure:

- [UPDATE_ORDER_SEQUENCE \(Overloaded\)](#) on page 11-29

11.4.1 UPDATE_ORDER_SEQUENCE (Overloaded)

This overloaded procedure includes:

- [UPDATE_ORDER_SEQUENCE](#) on page 11-30
- [UPDATE_ORDER_SEQUENCE](#) on page 11-31

UPDATE_ORDER_SEQUENCE

Procedure Specification

```
Program Unit UPDATE_ORDER_SEQUENCE
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_okl_csh_order_rec    IN      OKL_CSH_ORDER_SEQ_PVT.OKL_CSH_ORDER_
REC_TYPE,
  x_okl_csh_order_rec    OUT     OKL_CSH_ORDER_SEQ_PVT.OKL_CSH_ORDER_
REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 11-45 UPDATE_ORDER_SEQUENCE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_okl_csh_order_rec	OKL_CSH_ORDER_SEQ_PVT.OKL_CSH_ORDER_REC_TYPE	Yes	Record type definition for cash application order sequencing.

OUT Parameters

Table 11-46 UPDATE_ORDER_SEQUENCE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Table 11–46 UPDATE_ORDER_SEQUENCE OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_okl_csh_order_rec	OKL_CSH_ORDER_SEQ_PVT.OKL_CSH_ORDER_REC_TYPE	Yes	Record type definition for cash application order sequencing.

UPDATE_ORDER_SEQUENCE

Procedure Specification

Program Unit UPDATE_ORDER_SEQUENCE

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_okl_csh_order_tbl     IN      OKL_CSH_ORDER_SEQ_PVT.OKL_CSH_ORDER_
TBL_TYPE,
  x_okl_csh_order_tbl     OUT     OKL_CSH_ORDER_SEQ_PVT.OKL_CSH_ORDER_
TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 11–47 UPDATE_ORDER_SEQUENCE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 11–47 UPDATE_ORDER_SEQUENCE IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_okl_csh_order_tbl	OKL_CSH_ORDER_SEQ_PVT.OKL_CSH_ORDER_TBL_TYPE	Yes	Table of records for cash application order sequencing.

OUT Parameters**Table 11–48 UPDATE_ORDER_SEQUENCE OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_okl_csh_order_tbl	OKL_CSH_ORDER_SEQ_PVT.OKL_CSH_ORDER_TBL_TYPE	Yes	Table of records for cash application order sequencing

11.5 Package OKL_SRCH_STRM_TYPS_PUB

This package contains the following procedures:

- [DELETE_SRCH_STRM_TYPS \(Overloaded\)](#) on page 11-32
- [INSERT_SRCH_STRM_TYPS \(Overloaded\)](#) on page 11-35
- [LOCK_SRCH_STRM_TYPS \(Overloaded\)](#) on page 11-37
- [UPDATE_SRCH_STRM_TYPS \(Overloaded\)](#) on page 11-39
- [VALIDATE_SRCH_STRM_TYPS \(Overloaded\)](#) on page 11-42

11.5.1 DELETE_SRCH_STRM_TYPS (Overloaded)

This overloaded procedure includes:

- [DELETE_SRCH_STRM_TYPS](#) on page 11-33
- [DELETE_SRCH_STRM_TYPS](#) on page 11-34

DELETE_SRCH_STRM_TYPS

Procedure Specification

```

Program Unit DELETE_SRCH_STRM_TYPS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_sstv_tbl             IN      OKL_SST_PVT.SSTV_TBL_TYPE
);

```

Current Version

1.0

IN Parameters

Table 11–49 DELETE_SRCH_STRM_TYPS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_sstv_tbl	OKL_SST_PVT.SSTV_TBL_TYPE	Yes	Table of records to delete search combination rules.

OUT Parameters

Table 11–50 DELETE_SRCH_STRM_TYPS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_SRCH_STRM_TYPS

Procedure Specification

```
Program Unit DELETE_SRCH_STRM_TYPS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_sstv_rec             IN      OKL_SST_PVT.SSTV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 11–51 DELETE_SRCH_STRM_TYPS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_sstv_rec	OKL_SST_PVT.SSTV_REC_TYPE	Yes	Record type to delete search combination rules.

OUT Parameters

Table 11–52 DELETE_SRCH_STRM_TYPS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

11.5.2 INSERT_SRCH_STRM_TYPS (Overloaded)

This overloaded procedure includes:

- [INSERT_SRCH_STRM_TYPS](#) on page 11-35
- [INSERT_SRCH_STRM_TYPS](#) on page 11-36

INSERT_SRCH_STRM_TYPS

Procedure Specification

```
Program Unit INSERT_SRCH_STRM_TYPS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_sstv_tbl              IN      OKL_SST_PVT.SSTV_TBL_TYPE,
  x_sstv_tbl              OUT     OKL_SST_PVT.SSTV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 11–53 *INSERT_SRCH_STRM_TYPS IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_sstv_tbl	OKL_SST_PVT.SSTV_TBL_TYPE	Yes	Table of records to insert search combination rules.

OUT Parameters

Table 11–54 INSERT_SRCH_STRM_TYPS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_sstv_tbl	OKL_SST_PVT.SSTV_TBL_TYPE	Yes	Table of records to insert search combination rules.

INSERT_SRCH_STRM_TYPS

Procedure Specification

```
Program Unit INSERT_SRCH_STRM_TYPS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_sstv_rec              IN      OKL_SST_PVT.SSTV_REC_TYPE,
    x_sstv_rec              OUT     OKL_SST_PVT.SSTV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 11–55 INSERT_SRCH_STRM_TYPS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 11–55 INSERT_SRCH_STRM_TYPS IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_sstv_rec	OKL_SST_PVT.SSTV_REC_TYPE	Yes	Table of records to insert search combination rules.

OUT Parameters**Table 11–56 INSERT_SRCH_STRM_TYPS OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_sstv_rec	OKL_SST_PVT.SSTV_REC_TYPE	Yes	Table of records to insert search combination rules.

11.5.3 LOCK_SRCH_STRM_TYPS (Overloaded)

This overloaded procedure includes:

- [LOCK_SRCH_STRM_TYPS](#) on page 11-37
- [LOCK_SRCH_STRM_TYPS](#) on page 11-38

LOCK_SRCH_STRM_TYPS**Procedure Specification**

Program Unit LOCK_SRCH_STRM_TYPS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_sstv_tbl             IN      OKL_SST_PVT.SSTV_TBL_TYPE
```

);

Current Version

1.0

IN Parameters

Table 11–57 LOCK_SRCH_STRM_TYPS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_sstv_tbl	OKL_SST_PVT.SSTV_TBL_TYPE	Yes	Table of records to lock search combination rules.

OUT Parameters

Table 11–58 LOCK_SRCH_STRM_TYPS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_SRCH_STRM_TYPS

Procedure Specification

Program Unit LOCK_SRCH_STRM_TYPS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
```

```
p_sstv_rec                                IN      OKL_SST_PVT.SSTV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 11-59 LOCK_SRCH_STRM_TYPS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_sstv_rec	OKL_SST_PVT.SSTV_REC_TYPE	Yes	Table of records to lock search combination rules.

OUT Parameters

Table 11-60 LOCK_SRCH_STRM_TYPS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

11.5.4 UPDATE_SRCH_STRM_TYPS (Overloaded)

This overloaded procedure includes:

- [UPDATE_SRCH_STRM_TYPS](#) on page 11-40
- [UPDATE_SRCH_STRM_TYPS](#) on page 11-41

UPDATE_SRCH_STRM_TYPS

Procedure Specification

```
Program Unit UPDATE_SRCH_STRM_TYPS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_sstv_tbl             IN      OKL_SST_PVT.SSTV_TBL_TYPE,
    x_sstv_tbl             OUT     OKL_SST_PVT.SSTV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 11–61 UPDATE_SRCH_STRM_TYPS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_sstv_tbl	OKL_SST_PVT.SSTV_TBL_TYPE	Yes	Table of records to update search combination rules.

OUT Parameters

Table 11–62 UPDATE_SRCH_STRM_TYPS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 11–62 UPDATE_SRCH_STRM_TYPS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_sstv_tbl	OKL_SST_PVT.SSTV_TBL_TYPE	Yes	Table of records to update search combination rules.

UPDATE_SRCH_STRM_TYPS

Procedure Specification

Program Unit UPDATE_SRCH_STRM_TYPS

```
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_sstv_rec             IN      OKL_SST_PVT.SSTV_REC_TYPE,
    x_sstv_rec             OUT     OKL_SST_PVT.SSTV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 11–63 UPDATE_SRCH_STRM_TYPS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_sstv_rec	OKL_SST_PVT.SSTV_REC_TYPE	Yes	Record type to update search combination rules.

OUT Parameters

Table 11-64 UPDATE_SRCH_STRM_TYPS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_sstv_rec	OKL_SST_PVT.SSTV_REC_TYPE	Yes	Record type definition for updating search combination rules.

11.5.5 VALIDATE_SRCH_STRM_TYPS (Overloaded)

This overloaded procedure includes:

- [VALIDATE_SRCH_STRM_TYPS](#) on page 11-42
- [VALIDATE_SRCH_STRM_TYPS](#) on page 11-43

VALIDATE_SRCH_STRM_TYPS

Procedure Specification

```
Program Unit VALIDATE_SRCH_STRM_TYPS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_sstv_tbl             IN      OKL_SST_PVT.SSTV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 11–65 VALIDATE_SRCH_STRM_TYPS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_sstv_tbl	OKL_SST_PVT.SSTV_TBL_TYPE	Yes	Table of records for validating search combination rules.

OUT Parameters

Table 11–66 VALIDATE_SRCH_STRM_TYPS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_SRCH_STRM_TYPS

Procedure Specification

```

Program Unit VALIDATE_SRCH_STRM_TYPS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_sstv_rec             IN      OKL_SST_PVT.SSTV_REC_TYPE
);

```

Current Version

1.0

IN Parameters

Table 11–67 *VALIDATE_SRCH_STRM_TYPS IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_sstv_rec	OKL_SST_PVT.SSTV_REC_TYPE	Yes	Record type definition for validating search combination rules.

OUT Parameters

Table 11–68 *VALIDATE_SRCH_STRM_TYPS OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

11.6 Package OKL_STRM_TYP_ALLOCS_PUB

This package contains the following procedures:

- [DELETE_STRM_TYP_ALLOCS \(Overloaded\)](#) on page 11-45
- [INSERT_STRM_TYP_ALLOCS \(Overloaded\)](#) on page 11-47
- [LOCK_STRM_TYP_ALLOCS \(Overloaded\)](#) on page 11-50
- [UPDATE_STRM_TYP_ALLOCS \(Overloaded\)](#) on page 11-52
- [VALIDATE_STRM_TYP_ALLOCS \(Overloaded\)](#) on page 11-55

11.6.1 DELETE_STRM_TYP_ALLOCS (Overloaded)

This overloaded procedure includes:

- [DELETE_STRM_TYP_ALLOCS](#) on page 11-45
- [DELETE_STRM_TYP_ALLOCS](#) on page 11-46

DELETE_STRM_TYP_ALLOCS

Procedure Specification

```

Program Unit DELETE_STRM_TYP_ALLOCS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_stav_tbl              IN      OKL_STA_PVT.STAV_TBL_TYPE
);

```

Current Version

1.0

IN Parameters

Table 11–69 DELETE_STRM_TYP_ALLOCS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_stav_tbl	OKL_STA_PVT.STAV_TBL_TYPE	Yes	Table of records for cash application rules--Ordered or Prorated.

OUT Parameters

Table 11-70 DELETE_STRM_TYP_ALLOCS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_STRM_TYP_ALLOCS

Procedure Specification

```
Program Unit DELETE_STRM_TYP_ALLOCS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_stav_rec             IN      OKL_STA_PVT.STAV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 11-71 DELETE_STRM_TYP_ALLOCS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 11–71 DELETE_STRM_TYP_ALLOCS IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_stav_rec	OKL_STA_ PVT.STAV_REC_ TYPE	Yes	Record type definition for cash application rules--Ordered or Prorated.

OUT Parameters**Table 11–72 DELETE_STRM_TYP_ALLOCS OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

11.6.2 INSERT_STRM_TYP_ALLOCS (Overloaded)

This overloaded procedure includes:

- [INSERT_STRM_TYP_ALLOCS](#) on page 11-47
- [INSERT_STRM_TYP_ALLOCS](#) on page 11-48

INSERT_STRM_TYP_ALLOCS**Procedure Specification**

Program Unit INSERT_STRM_TYP_ALLOCS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_stav_tbl            IN      OKL_STA_PVT.STAV_TBL_TYPE,
  x_stav_tbl            OUT     OKL_STA_PVT.STAV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 11-73 INSERT_STRM_TYP_ALLOCS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_stav_tbl	OKL_STA_PVT.STAV_TBL_TYPE	Yes	Table of records for cash application rules--Ordered or Prorated.

OUT Parameters

Table 11-74 INSERT_STRM_TYP_ALLOCS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_stav_tbl	OKL_STA_PVT.STAV_TBL_TYPE	Yes	Table of records for cash application rules--Ordered or Prorated.

INSERT_STRM_TYP_ALLOCS

Procedure Specification

```
Program Unit INSERT_STRM_TYP_ALLOCS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
```

```

x_msg_data          OUT      VARCHAR2,
p_stav_rec          IN       OKL_STA_PVT.STAV_REC_TYPE,
x_stav_rec          OUT      OKL_STA_PVT.STAV_REC_TYPE
);

```

Current Version

1.0

IN Parameters

Table 11-75 INSERT_STRM_TYP_ALLOCS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_stav_rec	OKL_STA_PVT.STAV_REC_TYPE	Yes	Record type definition for cash application rules--Ordered or Prorated.

OUT Parameters

Table 11-76 INSERT_STRM_TYP_ALLOCS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_stav_rec	OKL_STA_PVT.STAV_REC_TYPE	Yes	Record type definition for cash application rules--Ordered or Prorated.

11.6.3 LOCK_STRM_TYP_ALLOCS (Overloaded)

This overloaded procedure includes:

- [LOCK_STRM_TYP_ALLOCS](#) on page 11-50
- [LOCK_STRM_TYP_ALLOCS](#) on page 11-51

LOCK_STRM_TYP_ALLOCS

Procedure Specification

```
Program Unit LOCK_STRM_TYP_ALLOCS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_stav_tbl              IN      OKL_STA_PVT.STAV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 11-77 LOCK_STRM_TYP_ALLOCS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_stav_tbl	OKL_STA_PVT.STAV_TBL_TYPE	Yes	Table of records for cash application rules--Ordered or Prorated.

OUT Parameters

Table 11–78 LOCK_STRM_TYP_ALLOCS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_STRM_TYP_ALLOCS

Procedure Specification

Program Unit LOCK_STRM_TYP_ALLOCS

```
(  
    p_api_version           IN      NUMBER,  
    p_init_msg_list         IN      VARCHAR2,  
    x_return_status         OUT     VARCHAR2,  
    x_msg_count             OUT     NUMBER,  
    x_msg_data              OUT     VARCHAR2,  
    p_stav_rec              IN      OKL_STA_PVT.STAV_REC_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 11–79 LOCK_STRM_TYP_ALLOCS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 11-79 LOCK_STRM_TYP_ALLOCS IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_stav_rec	OKL_STA_PVT.STAV_REC_TYPE	Yes	Record type definition for cash application rules--Ordered or Prorated.

OUT Parameters

Table 11-80 LOCK_STRM_TYP_ALLOCS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

11.6.4 UPDATE_STRM_TYP_ALLOCS (Overloaded)

This overloaded procedure includes:

- [UPDATE_STRM_TYP_ALLOCS](#) on page 11-52
- [UPDATE_STRM_TYP_ALLOCS](#) on page 11-53

UPDATE_STRM_TYP_ALLOCS

Procedure Specification

```
Program Unit UPDATE_STRM_TYP_ALLOCS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_stav_tbl            IN      OKL_STA_PVT.STAV_TBL_TYPE,
    x_stav_tbl            OUT     OKL_STA_PVT.STAV_TBL_TYPE
);
```


Current Version

1.0

IN Parameters**Table 11–81 UPDATE_STRM_TYP_ALLOCS IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_stav_tbl	OKL_STA_ PVT.STAV_TBL_ TYPE	Yes	Table of records for cash application rules--Ordered or Prorated.

OUT Parameters**Table 11–82 UPDATE_STRM_TYP_ALLOCS OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_stav_tbl	OKL_STA_ PVT.STAV_TBL_ TYPE	Yes	Table of records for cash application rules--Ordered or Prorated.

UPDATE_STRM_TYP_ALLOCS**Procedure Specification**

Program Unit UPDATE_STRM_TYP_ALLOCS

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,
```

```

x_msg_data          OUT      VARCHAR2,
p_stav_rec          IN       OKL_STA_PVT.STAV_REC_TYPE,
x_stav_rec          OUT      OKL_STA_PVT.STAV_REC_TYPE
);
```

Current Version
1.0

IN Parameters

Table 11–83 UPDATE_STRM_TYP_ALLOCS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_stav_rec	OKL_STA_PVT.STAV_REC_TYPE	Yes	Record type definition for cash application rules--Ordered or Prorated.

OUT Parameters

Table 11–84 UPDATE_STRM_TYP_ALLOCS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_stav_rec	OKL_STA_PVT.STAV_REC_TYPE	Yes	Record type definition for cash application rules--Ordered or Prorated.

11.6.5 VALIDATE_STRM_TYP_ALLOCS (Overloaded)

This overloaded procedure includes:

- [VALIDATE_STRM_TYP_ALLOCS](#) on page 11-55
- [VALIDATE_STRM_TYP_ALLOCS](#) on page 11-56

VALIDATE_STRM_TYP_ALLOCS

Procedure Specification

```
Program Unit VALIDATE_STRM_TYP_ALLOCS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_stav_tbl              IN      OKL_STA_PVT.STAV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 11–85 VALIDATE_STRM_TYP_ALLOCS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_stav_tbl	OKL_STA_PVT.STAV_TBL_TYPE	Yes	Table of records for cash application rules--Ordered or Prorated.

OUT Parameters

Table 11–86 *VALIDATE_STRM_TYP_ALLOCS OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_STRM_TYP_ALLOCS

Procedure Specification

```
Program Unit VALIDATE_STRM_TYP_ALLOCS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_stav_rec             IN      OKL_STA_PVT.STAV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 11–87 *VALIDATE_STRM_TYP_ALLOCS IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 11–87 VALIDATE_STRM_TYP_ALLOCS IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_stav_rec	OKL_STA_ PVT.STAV_REC_ TYPE	Yes	Record type definition for cash application rules--Ordered or Prorated.

OUT Parameters

Table 11–88 VALIDATE_STRM_TYP_ALLOCS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Customer Service APIs

The following are public packages of Customer Service APIs in Oracle Lease Management:

- [Package OKL_FULFILLMENT_PUB](#) on page 12-2
- [Package OKL_PROCESS_TMPLTS_PUB](#) on page 12-4
- [Package OKL_SERVICE_FEES_PUB](#) on page 12-16

For information about all table and record type parameters, see [Appendix A, "API Data Structure Specifications"](#).

12.1 Package OKL_FULFILLMENT_PUB

This package contains the following procedure:

- [CREATE_FULFILLMENT](#) on page 12-2

12.1.1 CREATE_FULFILLMENT

Procedure Specification

```
Program Unit CREATE_FULFILLMENT
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  p_agent_id              IN      NUMBER,
  p_server_id             IN      NUMBER,
  p_content_id            IN      NUMBER,
  p_from                  IN      VARCHAR2,
  p_subject               IN      VARCHAR2,
  p_email                 IN      VARCHAR2,
  p_bind_var              IN      JTF_FM_REQUEST_GRP.G_VARCHAR_TBL_TYPE,
  p_bind_val              IN      JTF_FM_REQUEST_GRP.G_VARCHAR_TBL_TYPE,
  p_bind_var_type         IN      JTF_FM_REQUEST_GRP.G_VARCHAR_TBL_TYPE,
  p_commit                IN      VARCHAR2,
  x_request_id            OUT     NUMBER,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 12–1 CREATE_FULFILLMENT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 12–1 CREATE_FULFILLMENT IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_agent_id	NUMBER	Yes	Identification of the agent.
p_server_id	NUMBER	Yes	Fulfillment server ID.
p_content_id	NUMBER	Yes	Identification of the content/document to be sent via send document functionality.
p_from	VARCHAR2	Yes	Email of the agent.
p_subject	VARCHAR2	Yes	Subject of the email.
p_email	VARCHAR2	Yes	Body text of the email. Body of the email is seeded and details of process are added to the email body using bind variables.
p_bind_var	JTF_FM_REQUEST_GRP.G_VARCHAR_TBL_TYPE	Yes	Name of bind variable to be passed to fulfillment server. This bind variable is added in the email body to add process-specific details to email, such as the invoice number.
p_bind_val	JTF_FM_REQUEST_GRP.G_VARCHAR_TBL_TYPE	Yes	Value of bind variable to be passed to fulfillment server. This bind variable is added in the email body to add process-specific details to email, such as the invoice number.
p_bind_var_type	JTF_FM_REQUEST_GRP.G_VARCHAR_TBL_TYPE	Yes	Bind variable type passed to fulfillment server. This bind variable is added in the email body to add process-specific details to email, such as the invoice number.
p_commit	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

OUT Parameters

Table 12-2 CREATE_FULFILLMENT OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_request_id	NUMBER	Yes	Request ID of the fulfillment request.
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

12.2 Package OKL_PROCESS_TMPLTS_PUB

This package contains the following procedures:

- [DELETE_PROCESS_TMPLTS \(Overloaded\)](#) on page 12-2
- [INSERT_PROCESS_TMPLTS \(Overloaded\)](#) on page 12-7
- [LOCK_PROCESS_TMPLTS \(Overloaded\)](#) on page 12-9
- [UPDATE_PROCESS_TMPLTS \(Overloaded\)](#) on page 12-11
- [VALIDATE_PROCESS_TMPLTS \(Overloaded\)](#) on page 12-14

12.2.1 DELETE_PROCESS_TMPLTS (Overloaded)

This overloaded procedure includes:

- [DELETE_PROCESS_TMPLTS](#) on page 12-4
- [DELETE_PROCESS_TMPLTS](#) on page 12-5

DELETE_PROCESS_TMPLTS

Procedure Specification

```
Program Unit DELETE_PROCESS_TMPLTS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
```

```
x_msg_count          OUT      NUMBER,  
x_msg_data           OUT      VARCHAR2,  
p_ptmv_tbl           IN       OKL_PTM_PVT.PTMV_TBL_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 12–3 DELETE_PROCESS_TMPLTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptmv_tbl	OKL_PTM_PVT.PTMV_TBL_TYPE	Yes	Table type variable for view OKL_PROCESS_TMPLTS_V.

OUT Parameters

Table 12–4 DELETE_PROCESS_TMPLTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_PROCESS_TMPLTS

Procedure Specification

```
Program Unit DELETE_PROCESS_TMPLTS  
(  
    p_api_version          IN      NUMBER,
```

```

    p_init_msg_list          IN      VARCHAR2,
    x_return_status          OUT     VARCHAR2,
    x_msg_count              OUT     NUMBER,
    x_msg_data               OUT     VARCHAR2,
    p_ptmv_rec               IN      OKL_PTM_PVT.PTMV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 12–5 DELETE_PROCESS_TMPLTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptmv_rec	OKL_PTM_PVT.PTMV_REC_TYPE	Yes	Record type variable for view OKL_PROCESS_TMPLTS_V.

OUT Parameters

Table 12–6 DELETE_PROCESS_TMPLTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

12.2.2 INSERT_PROCESS_TMPLTS (Overloaded)

This overloaded procedure includes:

- [INSERT_PROCESS_TMPLTS](#) on page 12-7
- [INSERT_PROCESS_TMPLTS](#) on page 12-8

INSERT_PROCESS_TMPLTS

Procedure Specification

```
Program Unit INSERT_PROCESS_TMPLTS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_ptmv_tbl              IN      OKL_PTM_PVT.PTMV_TBL_TYPE,
  x_ptmv_tbl              OUT     OKL_PTM_PVT.PTMV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 12-7 INSERT_PROCESS_TMPLTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptmv_tbl	OKL_PTM_PVT.PTMV_TBL_TYPE	Yes	Table type variable for view OKL_PROCESS_TMPLTS_V.

OUT Parameters

Table 12–8 INSERT_PROCESS_TMPLTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ptmv_tbl	OKL_PTM_PVT.PTMV_TBL_TYPE	Yes	Table type variable for view OKL_PROCESS_TMPLTS_V.

INSERT_PROCESS_TMPLTS

Procedure Specification

```
Program Unit INSERT_PROCESS_TMPLTS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_ptmv_rec              IN      OKL_PTM_PVT.PTMV_REC_TYPE,
  x_ptmv_rec              OUT     OKL_PTM_PVT.PTMV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 12–9 INSERT_PROCESS_TMPLTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 12–9 INSERT_PROCESS_TMPLTS IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptmv_rec	OKL_PTM_PVT.PTMV_REC_TYPE	Yes	Record type variable for view OKL_PROCESS_TMPLTS_V.

OUT Parameters**Table 12–10 INSERT_PROCESS_TMPLTS OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ptmv_rec	OKL_PTM_PVT.PTMV_REC_TYPE	Yes	Record type variable for view OKL_PROCESS_TMPLTS_V.

12.2.3 LOCK_PROCESS_TMPLTS (Overloaded)

This overloaded procedure includes:

- [LOCK_PROCESS_TMPLTS](#) on page 12-9
- [LOCK_PROCESS_TMPLTS](#) on page 12-10

LOCK_PROCESS_TMPLTS**Procedure Specification**

Program Unit LOCK_PROCESS_TMPLTS

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
```

```

    p_ptmv_tbl                IN      OKL_PTM_PVT.PTMV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 12–11 LOCK_PROCESS_TMPLTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptmv_tbl	OKL_PTM_PVT.PTMV_TBL_TYPE	Yes	Table type variable for view OKL_PROCESS_TMPLTS_V.

OUT Parameters

Table 12–12 LOCK_PROCESS_TMPLTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_PROCESS_TMPLTS

Procedure Specification

```

Program Unit LOCK_PROCESS_TMPLTS
(
    p_api_version                IN      NUMBER,
    p_init_msg_list              IN      VARCHAR2,
    x_return_status              OUT     VARCHAR2,
```



```

x_msg_count          OUT      NUMBER,
x_msg_data           OUT      VARCHAR2,
p_ptmv_rec           IN       OKL_PTM_PVT.PTMV_REC_TYPE
);

```

Current Version

1.0

IN Parameters

Table 12–13 LOCK_PROCESS_TMPLTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptmv_rec	OKL_PTM_PVT.PTMV_REC_TYPE	Yes	Record type variable for view OKL_PROCESS_TMPLTS_V.

OUT Parameters

Table 12–14 LOCK_PROCESS_TMPLTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

12.2.4 UPDATE_PROCESS_TMPLTS (Overloaded)

This overloaded procedure includes:

- [UPDATE_PROCESS_TMPLTS](#) on page 12-12
- [UPDATE_PROCESS_TMPLTS](#) on page 12-13

UPDATE_PROCESS_TMPLTS

Procedure Specification

```
Program Unit UPDATE_PROCESS_TMPLTS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_ptmv_tbl             IN      OKL_PTM_PVT.PTMV_TBL_TYPE,
    x_ptmv_tbl             OUT     OKL_PTM_PVT.PTMV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 12–15 UPDATE_PROCESS_TMPLTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptmv_tbl	OKL_PTM_PVT.PTMV_TBL_TYPE	Yes	Table type variable for view OKL_PROCESS_TMPLTS_V.

OUT Parameters

Table 12–16 UPDATE_PROCESS_TMPLTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 12–16 UPDATE_PROCESS_TMPLTS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ptmv_tbl	OKL_PTM_PVT.PTMV_TBL_TYPE	Yes	Table type variable for view OKL_PROCESS_TMPLTS_V.

UPDATE_PROCESS_TMPLTS

Procedure Specification

Program Unit UPDATE_PROCESS_TMPLTS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_ptmv_rec             IN      OKL_PTM_PVT.PTMV_REC_TYPE,
  x_ptmv_rec             OUT     OKL_PTM_PVT.PTMV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 12–17 UPDATE_PROCESS_TMPLTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptmv_rec	OKL_PTM_PVT.PTMV_REC_TYPE	Yes	Record type variable for view OKL_PROCESS_TMPLTS_V.

OUT Parameters

Table 12–18 UPDATE_PROCESS_TMPLTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ptmv_rec	OKL_PTM_PVT.PTMV_REC_TYPE	Yes	Record type variable for view OKL_PROCESS_TMPLTS_V.

12.2.5 VALIDATE_PROCESS_TMPLTS (Overloaded)

This overloaded procedure includes:

- [VALIDATE_PROCESS_TMPLTS](#) on page 12-14
- [VALIDATE_PROCESS_TMPLTS](#) on page 12-15

VALIDATE_PROCESS_TMPLTS

Procedure Specification

```
Program Unit VALIDATE_PROCESS_TMPLTS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_ptmv_tbl              IN      OKL_PTM_PVT.PTMV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 12–19 *VALIDATE_PROCESS_TMPLTS IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptmv_tbl	OKL_PTM_PVT.PTMV_TBL_TYPE	Yes	Table type variable for view OKL_PROCESS_TMPLTS_V.

OUT Parameters

Table 12–20 *VALIDATE_PROCESS_TMPLTS OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_PROCESS_TMPLTS

Procedure Specification

Program Unit VALIDATE_PROCESS_TMPLTS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_ptmv_rec             IN      OKL_PTM_PVT.PTMV_REC_TYPE
);
```

Current Version

1.0

IN Parameters**Table 12–21 VALIDATE_PROCESS_TMPLTS IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptmv_rec	OKL_PTM_PVT.PTMV_REC_TYPE	Yes	Record type variable for view OKL_PROCESS_TMPLTS_V.

OUT Parameters**Table 12–22 VALIDATE_PROCESS_TMPLTS OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

12.3 Package OKL_SERVICE_FEES_PUB

This package contains the following procedures:

- [DELETE_SERVICE_FEES \(Overloaded\)](#) on page 12-17
- [INSERT_SERVICE_FEES \(Overloaded\)](#) on page 12-19
- [LOCK_SERVICE_FEES \(Overloaded\)](#) on page 12-22
- [UPDATE_SERVICE_FEES \(Overloaded\)](#) on page 12-24
- [VALIDATE_SERVICE_FEES \(Overloaded\)](#) on page 12-27

12.3.1 DELETE_SERVICE_FEES (Overloaded)

This overloaded procedure includes:

- [DELETE_SERVICE_FEES](#) on page 12-17
- [DELETE_SERVICE_FEES](#) on page 12-18

DELETE_SERVICE_FEES

Procedure Specification

```
Program Unit DELETE_SERVICE_FEES
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_svfv_tbl              IN      OKL_SVF_PVT.SV_FV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 12-23 DELETE_SERVICE_FEES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_svfv_tbl	OKL_SVF_PVT.SV_FV_TBL_TYPE	Yes	Table type variable for view OKL_SERVICE_FEES_V.

OUT Parameters

Table 12–24 DELETE_SERVICE_FEES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_SERVICE_FEES

Procedure Specification

```
Program Unit DELETE_SERVICE_FEES
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_svf_rec               IN      OKL_SVF_PVT.SVFV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 12–25 DELETE_SERVICE_FEES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 12–25 DELETE_SERVICE_FEES IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_svfv_rec	OKL_SVF_PVT.SV_FV_REC_TYPE	Yes	Record type variable for view OKL_SERVICE_FEES_V.

OUT Parameters

Table 12–26 DELETE_SERVICE_FEES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

12.3.2 INSERT_SERVICE_FEES (Overloaded)

This overloaded procedure includes:

- [INSERT_SERVICE_FEES](#) on page 12-19
- [INSERT_SERVICE_FEES](#) on page 12-20

INSERT_SERVICE_FEES

Procedure Specification

Program Unit INSERT_SERVICE_FEES

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_svfv_tbl             IN      OKL_SVF_PVT.SV_FV_TBL_TYPE,
  x_svfv_tbl             OUT     OKL_SVF_PVT.SV_FV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 12-27 INSERT_SERVICE_FEES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_svfv_tbl	OKL_SVF_PVT.SV_FV_TBL_TYPE	Yes	Table type variable for view OKL_SERVICE_FEES_V.

OUT Parameters

Table 12-28 INSERT_SERVICE_FEES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_svfv_tbl	OKL_SVF_PVT.SV_FV_TBL_TYPE	Yes	Table type variable for view OKL_SERVICE_FEES_V.

INSERT_SERVICE_FEES

Procedure Specification

```
Program Unit INSERT_SERVICE_FEES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
```

```

x_msg_data          OUT      VARCHAR2,
p_svfv_rec          IN       OKL_SVF_PVT.SV_FV_REC_TYPE,
x_svfv_rec          OUT      OKL_SVF_PVT.SV_FV_REC_TYPE
);

```

Current Version

1.0

IN Parameters

Table 12–29 INSERT_SERVICE_FEES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_svfv_rec	OKL_SVF_PVT.SV_FV_REC_TYPE	Yes	Record type variable for view OKL_SERVICE_FEES_V.

OUT Parameters

Table 12–30 INSERT_SERVICE_FEES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_svfv_rec	OKL_SVF_PVT.SV_FV_REC_TYPE	Yes	Record type variable for view OKL_SERVICE_FEES_V.

12.3.3 LOCK_SERVICE_FEES (Overloaded)

This overloaded procedure includes:

- [LOCK_SERVICE_FEES](#) on page 12-22
- [LOCK_SERVICE_FEES](#) on page 12-23

LOCK_SERVICE_FEES

Procedure Specification

```
Program Unit LOCK_SERVICE_FEES
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_svfv_tbl              IN      OKL_SVF_PVT.SV_FV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 12–31 LOCK_SERVICE_FEES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_svfv_tbl	OKL_SVF_PVT.SV_FV_TBL_TYPE	Yes	Table type variable for view OKL_SERVICE_FEES_V.

OUT Parameters

Table 12–32 LOCK_SERVICE_FEES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_SERVICE_FEES

Procedure Specification

Program Unit LOCK_SERVICE_FEES

```
(  
    p_api_version           IN      NUMBER,  
    p_init_msg_list         IN      VARCHAR2,  
    x_return_status         OUT     VARCHAR2,  
    x_msg_count             OUT     NUMBER,  
    x_msg_data              OUT     VARCHAR2,  
    p_svfv_rec              IN      OKL_SVF_PVT.SV_FV_REC_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 12–33 LOCK_SERVICE_FEES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 12–33 LOCK_SERVICE_FEES IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_svfv_rec	OKL_SVF_PVT.SVFN_REC_TYPE	Yes	Record type variable for view OKL_SERVICE_FEES_V.

OUT Parameters

Table 12–34 LOCK_SERVICE_FEES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

12.3.4 UPDATE_SERVICE_FEES (Overloaded)

This overloaded procedure includes:

- [UPDATE_SERVICE_FEES](#) on page 12-24
- [UPDATE_SERVICE_FEES](#) on page 12-25

UPDATE_SERVICE_FEES

Procedure Specification

```
Program Unit UPDATE_SERVICE_FEES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_svfv_tbl             IN      OKL_SVF_PVT.SVFN_TBL_TYPE,
  x_svfv_tbl             OUT     OKL_SVF_PVT.SVFN_TBL_TYPE
);
```

Current Version

1.0

IN Parameters**Table 12–35 UPDATE_SERVICE_FEES IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_svfv_tbl	OKL_SVF_ PVT.SVFN_TBL_ TYPE	Yes	Table type variable for view OKL_SERVICE_FEES_V.

OUT Parameters**Table 12–36 UPDATE_SERVICE_FEES OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_svfv_tbl	OKL_SVF_ PVT.SVFN_TBL_ TYPE	Yes	Table type variable for view OKL_SERVICE_FEES_V.

UPDATE_SERVICE_FEES**Procedure Specification**

Program Unit UPDATE_SERVICE_FEES

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,
```

```
x_msg_data          OUT      VARCHAR2,
p_svfv_rec          IN       OKL_SVF_PVT.SV_FV_REC_TYPE,
x_svfv_rec          OUT      OKL_SVF_PVT.SV_FV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 12-37 UPDATE_SERVICE_FEES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_svfv_rec	OKL_SVF_PVT.SV_FV_REC_TYPE	Yes	Record type variable for view OKL_SERVICE_FEES_V.

OUT Parameters

Table 12-38 UPDATE_SERVICE_FEES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_svfv_rec	OKL_SVF_PVT.SV_FV_REC_TYPE	Yes	Record type variable for view OKL_SERVICE_FEES_V.

12.3.5 VALIDATE_SERVICE_FEES (Overloaded)

This overloaded procedure includes:

- [VALIDATE_SERVICE_FEES](#) on page 12-27
- [VALIDATE_SERVICE_FEES](#) on page 12-28

VALIDATE_SERVICE_FEES

Procedure Specification

```
Program Unit VALIDATE_SERVICE_FEES
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_svfv_tbl              IN      OKL_SVF_PVT.SV_FV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 12–39 *VALIDATE_SERVICE_FEES IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_svfv_tbl	OKL_SVF_PVT.SV_FV_TBL_TYPE	Yes	Table type variable for view OKL_SERVICE_FEES_V.

OUT Parameters

Table 12–40 VALIDATE_SERVICE_FEES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_SERVICE_FEES

Procedure Specification

```
Program Unit VALIDATE_SERVICE_FEES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_svf_rec              IN      OKL_SVF_PVT.SVFV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 12–41 VALIDATE_SERVICE_FEES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 12–41 VALIDATE_SERVICE_FEES IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_svfv_rec	OKL_SVF_ PVT.SV_FV_REC_ TYPE	Yes	Record type variable for view OKL_SERVICE_FEES_V.

OUT Parameters**Table 12–42 VALIDATE_SERVICE_FEES OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Quote Line Allocation APIs

The following is a public package of Quote Line Allocation APIs in Oracle Lease Management:

- [Package OKL_QUOTE_LINE_STRM_PUB](#) on page 13-2

For information about all table and record type parameters, see [Appendix A, "API Data Structure Specifications"](#).

13.1 Package OKL_QUOTE_LINE_STRM_PUB

This package contains the following procedures:

- [DELETE_QUOTE_LINE_STRM \(Overloaded\)](#) on page 13-2
- [INSERT_QUOTE_LINE_STRM \(Overloaded\)](#) on page 13-4
- [LOCK_QUOTE_LINE_STRM \(Overloaded\)](#) on page 13-7
- [UPDATE_QUOTE_LINE_STRM \(Overloaded\)](#) on page 13-9
- [VALIDATE_QUOTE_LINE_STRM \(Overloaded\)](#) on page 13-12

13.1.1 DELETE_QUOTE_LINE_STRM (Overloaded)

This overloaded procedure includes:

- [DELETE_QUOTE_LINE_STRM](#) on page 13-2
- [DELETE_QUOTE_LINE_STRM](#) on page 13-3

DELETE_QUOTE_LINE_STRM

Procedure Specification

```
Program Unit DELETE_QUOTE_LINE_STRM
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_qlsv_tbl              IN      OKL_QLS_PVT.QLSV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 13–1 DELETE_QUOTE_LINE_STRM IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_qlsv_tbl	OKL_QLS_PVT.QLSV_TBL_TYPE	Yes	Table type of OKL_QUOTE_LINE_STRM_V.

OUT Parameters

Table 13–2 DELETE_QUOTE_LINE_STRM OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_QUOTE_LINE_STRM

Procedure Specification

Program Unit DELETE_QUOTE_LINE_STRM

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_qlsv_rec             IN      OKL_QLS_PVT.QLSV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 13–3 DELETE_QUOTE_LINE_STRM IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_qlsv_rec	OKL_QLS_PVT.QLSV_REC_TYPE	Yes	Record type of OKL_QUOTE_LINE_STRM_V.

OUT Parameters

Table 13–4 DELETE_QUOTE_LINE_STRM OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

13.1.2 INSERT_QUOTE_LINE_STRM (Overloaded)

This overloaded procedure includes:

- [INSERT_QUOTE_LINE_STRM](#) on page 13-4
- [INSERT_QUOTE_LINE_STRM](#) on page 13-6

INSERT_QUOTE_LINE_STRM

Procedure Specification

```
Program Unit INSERT_QUOTE_LINE_STRM
(
```



```

p_api_version          IN      NUMBER,
p_init_msg_list        IN      VARCHAR2,
x_return_status        OUT     VARCHAR2,
x_msg_count            OUT     NUMBER,
x_msg_data             OUT     VARCHAR2,
p_qlsv_tbl             IN      OKL_QLS_PVT.QLSV_TBL_TYPE,
x_qlsv_tbl             OUT     OKL_QLS_PVT.QLSV_TBL_TYPE
);

```

Current Version

1.0

IN Parameters

Table 13–5 INSERT_QUOTE_LINE_STRM IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_qlsv_tbl	OKL_QLS_PVT.QLSV_TBL_TYPE	Yes	Table type of OKL_QUOTE_LINE_STRM_V.

OUT Parameters

Table 13–6 INSERT_QUOTE_LINE_STRM OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_qlsv_tbl	OKL_QLS_PVT.QLSV_TBL_TYPE	Yes	Table type of OKL_QUOTE_LINE_STRM_V.

INSERT_QUOTE_LINE_STRM

Procedure Specification

```
Program Unit INSERT_QUOTE_LINE_STRM
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_qlsv_rec             IN      OKL_QLS_PVT.QLSV_REC_TYPE,
    x_qlsv_rec             OUT     OKL_QLS_PVT.QLSV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 13–7 INSERT_QUOTE_LINE_STRM IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_qlsv_rec	OKL_QLS_PVT.QLSV_REC_TYPE	Yes	Record type of OKL_QUOTE_LINE_STRM_V.

OUT Parameters

Table 13–8 INSERT_QUOTE_LINE_STRM OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 13–8 INSERT_QUOTE_LINE_STRM OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_qlsv_rec	OKL_QLS_PVT.QLSV_REC_TYPE	Yes	Record type of OKL_QUOTE_LINE_STRM_V.

13.1.3 LOCK_QUOTE_LINE_STRM (Overloaded)

This overloaded procedure includes:

- [LOCK_QUOTE_LINE_STRM](#) on page 13-7
- [LOCK_QUOTE_LINE_STRM](#) on page 13-8

LOCK_QUOTE_LINE_STRM

Procedure Specification

Program Unit LOCK_QUOTE_LINE_STRM

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_qlsv_tbl             IN      OKL_QLS_PVT.QLSV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 13–9 LOCK_QUOTE_LINE_STRM IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 13–9 LOCK_QUOTE_LINE_STRM IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_qlsv_tbl	OKL_QLS_PVT.QLSV_TBL_TYPE	Yes	Table type of OKL_QUOTE_LINE_STRM_V.

OUT Parameters

Table 13–10 LOCK_QUOTE_LINE_STRM OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_QUOTE_LINE_STRM

Procedure Specification

```
Program Unit LOCK_QUOTE_LINE_STRM
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_qlsv_rec              IN      OKL_QLS_PVT.QLSV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 13–11 LOCK_QUOTE_LINE_STRM IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_qlsv_rec	OKL_QLS_PVT.QLSV_REC_TYPE	Yes	Record type of OKL_QUOTE_LINE_STRM_V.

OUT Parameters

Table 13–12 LOCK_QUOTE_LINE_STRM OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

13.1.4 UPDATE_QUOTE_LINE_STRM (Overloaded)

This overloaded procedure includes:

- [UPDATE_QUOTE_LINE_STRM](#) on page 13-9
- [UPDATE_QUOTE_LINE_STRM](#) on page 13-11

UPDATE_QUOTE_LINE_STRM

Procedure Specification

Program Unit UPDATE_QUOTE_LINE_STRM

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
```

```
x_msg_count          OUT      NUMBER,
x_msg_data           OUT      VARCHAR2,
p_qlsv_tbl           IN       OKL_QLS_PVT.QLSV_TBL_TYPE,
x_qlsv_tbl           OUT      OKL_QLS_PVT.QLSV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 13–13 UPDATE_QUOTE_LINE_STRM IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_qlsv_tbl	OKL_QLS_PVT.QLSV_TBL_TYPE	Yes	Table type of OKL_QUOTE_LINE_STRM_V.

OUT Parameters

Table 13–14 UPDATE_QUOTE_LINE_STRM OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_qlsv_tbl	OKL_QLS_PVT.QLSV_TBL_TYPE	Yes	Table type of OKL_QUOTE_LINE_STRM_V.

UPDATE_QUOTE_LINE_STRM

Procedure Specification

Program Unit UPDATE_QUOTE_LINE_STRM

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_qlsv_rec             IN      OKL_QLS_PVT.QLSV_REC_TYPE,  
    x_qlsv_rec             OUT     OKL_QLS_PVT.QLSV_REC_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 13–15 UPDATE_QUOTE_LINE_STRM IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_qlsv_rec	OKL_QLS_PVT.QLSV_REC_TYPE	Yes	Record type of OKL_QUOTE_LINE_STRM_V.

OUT Parameters

Table 13–16 UPDATE_QUOTE_LINE_STRM OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 13–16 UPDATE_QUOTE_LINE_STRM OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_qlsv_rec	OKL_QLS_PVT.QLSV_REC_TYPE	Yes	Record type of OKL_QUOTE_LINE_STRM_V.

13.1.5 VALIDATE_QUOTE_LINE_STRM (Overloaded)

This overloaded procedure includes:

- [VALIDATE_QUOTE_LINE_STRM](#) on page 13-12
- [VALIDATE_QUOTE_LINE_STRM](#) on page 13-13

VALIDATE_QUOTE_LINE_STRM

Procedure Specification

```
Program Unit VALIDATE_QUOTE_LINE_STRM
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_qlsv_tbl             IN      OKL_QLS_PVT.QLSV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 13–17 VALIDATE_QUOTE_LINE_STRM IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 13–17 VALIDATE_QUOTE_LINE_STRM IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_qlsv_tbl	OKL_QLS_PVT.QLSV_TBL_TYPE	Yes	Table type of OKL_QUOTE_LINE_STRM_V.

OUT Parameters

Table 13–18 VALIDATE_QUOTE_LINE_STRM OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_QUOTE_LINE_STRM

Procedure Specification

Program Unit VALIDATE_QUOTE_LINE_STRM

```
(  
    p_api_version           IN      NUMBER,  
    p_init_msg_list         IN      VARCHAR2,  
    x_return_status         OUT     VARCHAR2,  
    x_msg_count             OUT     NUMBER,  
    x_msg_data              OUT     VARCHAR2,  
    p_qlsv_rec              IN      OKL_QLS_PVT.QLSV_REC_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 13–19 VALIDATE_QUOTE_LINE_STRM IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_qlsv_rec	OKL_QLS_PVT.QLSV_REC_TYPE	Yes	Record type of OKL_QUOTE_LINE_STRM_V.

OUT Parameters

Table 13–20 VALIDATE_QUOTE_LINE_STRM OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Remarketing Functionality APIs

The following are public packages of Remarketing Functionality APIs in Oracle Lease Management:

- [Package OKL_DF_CTGY_RMK_TMS_PUB](#) on page 14-2
- [Package OKL_REPAIR_COSTS_PUB](#) on page 14-14

For information about all table and record type parameters, see [Appendix A, "API Data Structure Specifications"](#).

14.1 Package OKL_DF_CTGY_RMK_TMS_PUB

This package contains the following procedures:

- [DELETE_DF_CTGY_RMK_TMS \(Overloaded\)](#) on page 14-2
- [INSERT_DF_CTGY_RMK_TMS \(Overloaded\)](#) on page 14-4
- [LOCK_DF_CTGY_RMK_TMS \(Overloaded\)](#) on page 14-7
- [UPDATE_DF_CTGY_RMK_TMS \(Overloaded\)](#) on page 14-9
- [VALIDATE_DF_CTGY_RMK_TMS \(Overloaded\)](#) on page 14-12

14.1.1 DELETE_DF_CTGY_RMK_TMS (Overloaded)

This overloaded procedure includes:

- [DELETE_DF_CTGY_RMK_TMS](#) on page 14-2
- [DELETE_DF_CTGY_RMK_TMS](#) on page 14-3

DELETE_DF_CTGY_RMK_TMS

Procedure Specification

```
Program Unit DELETE_DF_CTGY_RMK_TMS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_dctv_tbl              IN      OKL_DCT_PVT.DCTV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 14–1 DELETE_DF_CTGY_RMK_TMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_dctv_tbl	OKL_DCT_PVT.DCTV_TBL_TYPE	Yes	Table type of OKL_DF_CTGY_RMK_TMS_V.

OUT Parameters

Table 14–2 DELETE_DF_CTGY_RMK_TMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_DF_CTGY_RMK_TMS

Procedure Specification

Program Unit DELETE_DF_CTGY_RMK_TMS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_dctv_rec            IN      OKL_DCT_PVT.DCTV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 14–3 DELETE_DF_CTGY_RMK_TMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_dctv_rec	OKL_DCT_PVT.DCTV_REC_TYPE	Yes	Record type of OKL_DF_CTGY_RMK_TMS_V.

OUT Parameters

Table 14–4 DELETE_DF_CTGY_RMK_TMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

14.1.2 INSERT_DF_CTGY_RMK_TMS (Overloaded)

This overloaded procedure includes:

- [INSERT_DF_CTGY_RMK_TMS](#) on page 14-4
- [INSERT_DF_CTGY_RMK_TMS](#) on page 14-6

INSERT_DF_CTGY_RMK_TMS

Procedure Specification

Program Unit INSERT_DF_CTGY_RMK_TMS
(

```

p_api_version          IN      NUMBER,
p_init_msg_list        IN      VARCHAR2,
x_return_status        OUT     VARCHAR2,
x_msg_count            OUT     NUMBER,
x_msg_data             OUT     VARCHAR2,
p_dctv_tbl            IN      OKL_DCT_PVT.DCTV_TBL_TYPE,
x_dctv_tbl            OUT     OKL_DCT_PVT.DCTV_TBL_TYPE
);

```

Current Version

1.0

IN Parameters

Table 14–5 INSERT_DF_CTGY_RMK_TMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_dctv_tbl	OKL_DCT_PVT.DCTV_TBL_TYPE	Yes	Table type of OKL_DF_CTGY_RMK_TMS_V.

OUT Parameters

Table 14–6 INSERT_DF_CTGY_RMK_TMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_dctv_tbl	OKL_DCT_PVT.DCTV_TBL_TYPE	Yes	Table type of OKL_DF_CTGY_RMK_TMS_V.

INSERT_DF_CTGY_RMK_TMS

Procedure Specification

```
Program Unit INSERT_DF_CTGY_RMK_TMS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_dctv_rec             IN      OKL_DCT_PVT.DCTV_REC_TYPE,
    x_dctv_rec             OUT     OKL_DCT_PVT.DCTV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 14–7 INSERT_DF_CTGY_RMK_TMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_dctv_rec	OKL_DCT_PVT.DCTV_REC_TYPE	Yes	Record type of OKL_DF_CTGY_RMK_TMS.V.

OUT Parameters

Table 14–8 INSERT_DF_CTGY_RMK_TMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 14–8 INSERT_DF_CTGY_RMK_TMS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_dctv_rec	OKL_DCT_PVT.DCTV_REC_TYPE	Yes	Record type of OKL_DF_CTGY_RMK_TMS_V.

14.1.3 LOCK_DF_CTGY_RMK_TMS (Overloaded)

This overloaded procedure includes:

- [LOCK_DF_CTGY_RMK_TMS](#) on page 14-7
- [LOCK_DF_CTGY_RMK_TMS](#) on page 14-8

LOCK_DF_CTGY_RMK_TMS

Procedure Specification

Program Unit LOCK_DF_CTGY_RMK_TMS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_dctv_tbl             IN      OKL_DCT_PVT.DCTV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 14–9 LOCK_DF_CTGY_RMK_TMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 14–9 LOCK_DF_CTGY_RMK_TMS IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_dctv_tbl	OKL_DCT_PVT.DCTV_TBL_TYPE	Yes	Table type of OKL_DF_CTGY_RMK_TMS_V.

OUT Parameters

Table 14–10 LOCK_DF_CTGY_RMK_TMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_DF_CTGY_RMK_TMS

Procedure Specification

```
Program Unit LOCK_DF_CTGY_RMK_TMS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_dctv_rec              IN      OKL_DCT_PVT.DCTV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 14–11 LOCK_DF_CTGY_RMK_TMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_dctv_rec	OKL_DCT_PVT.DCTV_REC_TYPE	Yes	Record type of OKL_DF_CTGY_RMK_TMS_V.

OUT Parameters

Table 14–12 LOCK_DF_CTGY_RMK_TMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

14.1.4 UPDATE_DF_CTGY_RMK_TMS (Overloaded)

This overloaded procedure includes:

- [UPDATE_DF_CTGY_RMK_TMS](#) on page 14-9
- [UPDATE_DF_CTGY_RMK_TMS](#) on page 14-11

UPDATE_DF_CTGY_RMK_TMS

Procedure Specification

Program Unit UPDATE_DF_CTGY_RMK_TMS

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
```

```

x_msg_data          OUT      VARCHAR2,
p_dctv_tbl          IN       OKL_DCT_PVT.DCTV_TBL_TYPE,
x_dctv_tbl          OUT      OKL_DCT_PVT.DCTV_TBL_TYPE
);
```

Current Version
1.0

IN Parameters

Table 14–13 UPDATE_DF_CTGY_RMK_TMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_dctv_tbl	OKL_DCT_PVT.DCTV_TBL_TYPE	Yes	Table type of OKL_DF_CTGY_RMK_TMS_V.

OUT Parameters

Table 14–14 UPDATE_DF_CTGY_RMK_TMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_dctv_tbl	OKL_DCT_PVT.DCTV_TBL_TYPE	Yes	Table type of OKL_DF_CTGY_RMK_TMS_V.

UPDATE_DF_CTGY_RMK_TMS

Procedure Specification

Program Unit UPDATE_DF_CTGY_RMK_TMS

```
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_dctv_rec             IN      OKL_DCT_PVT.DCTV_REC_TYPE,
    x_dctv_rec             OUT     OKL_DCT_PVT.DCTV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 14–15 UPDATE_DF_CTGY_RMK_TMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_dctv_rec	OKL_DCT_PVT.DCTV_REC_TYPE	Yes	Record type of OKL_DF_CTGY_RMK_TMS_V.

OUT Parameters

Table 14–16 UPDATE_DF_CTGY_RMK_TMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 14–16 UPDATE_DF_CTGY_RMK_TMS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_dctv_rec	OKL_DCT_PVT.DCTV_REC_TYPE	Yes	Record type of OKL_DF_CTGY_RMK_TMS_V.

14.1.5 VALIDATE_DF_CTGY_RMK_TMS (Overloaded)

This overloaded procedure includes:

- [VALIDATE_DF_CTGY_RMK_TMS](#) on page 14-12
- [VALIDATE_DF_CTGY_RMK_TMS](#) on page 14-13

VALIDATE_DF_CTGY_RMK_TMS

Procedure Specification

Program Unit VALIDATE_DF_CTGY_RMK_TMS

```
(  
    p_api_version          IN          NUMBER,  
    p_init_msg_list        IN          VARCHAR2,  
    x_return_status        OUT         VARCHAR2,  
    x_msg_count            OUT         NUMBER,  
    x_msg_data             OUT         VARCHAR2,  
    p_dctv_tbl             IN          OKL_DCT_PVT.DCTV_TBL_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 14–17 VALIDATE_DF_CTGY_RMK_TMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 14–17 VALIDATE_DF_CTGY_RMK_TMS IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_dctv_tbl	OKL_DCT_PVT.DCTV_TBL_TYPE	Yes	Table type of OKL_DF_CTGY_RMK_TMS_V.

OUT Parameters

Table 14–18 VALIDATE_DF_CTGY_RMK_TMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_DF_CTGY_RMK_TMS

Procedure Specification

```
Program Unit VALIDATE_DF_CTGY_RMK_TMS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_dctv_rec              IN      OKL_DCT_PVT.DCTV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 14–19 *VALIDATE_DF_CTGY_RMK_TMS IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_dctv_rec	OKL_DCT_PVT.DCTV_REC_TYPE	Yes	Record type of OKL_DF_CTGY_RMK_TMS_V.

OUT Parameters

Table 14–20 *VALIDATE_DF_CTGY_RMK_TMS OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

14.2 Package OKL_REPAIR_COSTS_PUB

This package contains the following procedures:

- [DELETE_REPAIR_COSTS \(Overloaded\)](#) on page 14-14
- [INSERT_REPAIR_COSTS \(Overloaded\)](#) on page 14-17
- [LOCK_REPAIR_COSTS \(Overloaded\)](#) on page 14-19
- [UPDATE_REPAIR_COSTS \(Overloaded\)](#) on page 14-22
- [VALIDATE_REPAIR_COSTS \(Overloaded\)](#) on page 14-24

14.2.1 DELETE_REPAIR_COSTS (Overloaded)

This overloaded procedure includes:

- [DELETE_REPAIR_COSTS](#) on page 14-15

- [DELETE_REPAIR_COSTS](#) on page 14-16

DELETE_REPAIR_COSTS

Procedure Specification

Program Unit DELETE_REPAIR_COSTS

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_rpcv_tbl            IN      OKL_RPC_PVT.RPCV_TBL_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 14–21 *DELETE_REPAIR_COSTS IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_rpcv_tbl	OKL_RPC_PVT.RPCV_TBL_TYPE	Yes	Table type of OKL_REPAIR_COSTS_V.

OUT Parameters

Table 14–22 *DELETE_REPAIR_COSTS OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Table 14–22 DELETE_REPAIR_COSTS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_REPAIR_COSTS

Procedure Specification

```
Program Unit DELETE_REPAIR_COSTS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_rpcv_rec              IN      OKL_RPC_PVT.RPCV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 14–23 DELETE_REPAIR_COSTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_rpcv_rec	OKL_RPC_PVT.RPCV_REC_TYPE	Yes	Record type of OKL_REPAIR_COSTS_V.

OUT Parameters

Table 14–24 *DELETE_REPAIR_COSTS OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

14.2.2 INSERT_REPAIR_COSTS (Overloaded)

This overloaded procedure includes:

- [INSERT_REPAIR_COSTS](#) on page 14-17
- [INSERT_REPAIR_COSTS](#) on page 14-18

INSERT_REPAIR_COSTS

Procedure Specification

Program Unit INSERT_REPAIR_COSTS

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_rpcv_tbl             IN      OKL_RPC_PVT.RPCV_TBL_TYPE,  
    x_rpcv_tbl             OUT     OKL_RPC_PVT.RPCV_TBL_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 14–25 INSERT_REPAIR_COSTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_rpcv_tbl	OKL_RPC_PVT.RPCV_TBL_TYPE	Yes	Table type of OKL_REPAIR_COSTS_V.

OUT Parameters

Table 14–26 INSERT_REPAIR_COSTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_rpcv_tbl	OKL_RPC_PVT.RPCV_TBL_TYPE	Yes	Table type of OKL_REPAIR_COSTS_V.

INSERT_REPAIR_COSTS

Procedure Specification

```
Program Unit INSERT_REPAIR_COSTS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_rpcv_rec              IN      OKL_RPC_PVT.RPCV_REC_TYPE,
  x_rpcv_rec              OUT     OKL_RPC_PVT.RPCV_REC_TYPE
);
```

Current Version

1.0

IN Parameters**Table 14–27 INSERT_REPAIR_COSTS IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_rpcv_rec	OKL_RPC_ PVT.RPCV_REC_ TYPE	Yes	Record type of OKL_REPAIR_COSTS_V.

OUT Parameters**Table 14–28 INSERT_REPAIR_COSTS OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_rpcv_rec	OKL_RPC_ PVT.RPCV_REC_ TYPE	Yes	Record type of OKL_REPAIR_COSTS_V.

14.2.3 LOCK_REPAIR_COSTS (Overloaded)

This overloaded procedure includes:

- [LOCK_REPAIR_COSTS](#) on page 14-20
- [LOCK_REPAIR_COSTS](#) on page 14-21

LOCK_REPAIR_COSTS

Procedure Specification

```
Program Unit LOCK_REPAIR_COSTS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_rpcv_tbl             IN      OKL_RPC_PVT.RPCV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 14–29 LOCK_REPAIR_COSTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_rpcv_tbl	OKL_RPC_PVT.RPCV_TBL_TYPE	Yes	Table type of OKL_REPAIR_COSTS_V.

OUT Parameters

Table 14–30 LOCK_REPAIR_COSTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 14–30 LOCK_REPAIR_COSTS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_REPAIR_COSTS

Procedure Specification

Program Unit LOCK_REPAIR_COSTS

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_rpcv_rec             IN      OKL_RPC_PVT.RPCV_REC_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 14–31 LOCK_REPAIR_COSTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_rpcv_rec	OKL_RPC_PVT.RPCV_REC_TYPE	Yes	Record type of OKL_REPAIR_COSTS_V.

OUT Parameters

Table 14-32 LOCK_REPAIR_COSTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

14.2.4 UPDATE_REPAIR_COSTS (Overloaded)

This overloaded procedure includes:

- [UPDATE_REPAIR_COSTS](#) on page 14-22
- [UPDATE_REPAIR_COSTS](#) on page 14-23

UPDATE_REPAIR_COSTS

Procedure Specification

```
Program Unit UPDATE_REPAIR_COSTS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_rpcv_tbl              IN      OKL_RPC_PVT.RPCV_TBL_TYPE,
    x_rpcv_tbl              OUT     OKL_RPC_PVT.RPCV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 14–33 UPDATE_REPAIR_COSTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_rpcv_tbl	OKL_RPC_PVT.RPCV_TBL_TYPE	Yes	Table type of OKL_REPAIR_COSTS_V.

OUT Parameters

Table 14–34 UPDATE_REPAIR_COSTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_rpcv_tbl	OKL_RPC_PVT.RPCV_TBL_TYPE	Yes	Table type of OKL_REPAIR_COSTS_V.

UPDATE_REPAIR_COSTS

Procedure Specification

Program Unit UPDATE_REPAIR_COSTS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_rpcv_rec             IN      OKL_RPC_PVT.RPCV_REC_TYPE,
  x_rpcv_rec             OUT     OKL_RPC_PVT.RPCV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 14–35 UPDATE_REPAIR_COSTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_rpcv_rec	OKL_RPC_PVT.RPCV_REC_TYPE	Yes	Record type of OKL_REPAIR_COSTS_V.

OUT Parameters

Table 14–36 UPDATE_REPAIR_COSTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_rpcv_rec	OKL_RPC_PVT.RPCV_REC_TYPE	Yes	Record type of OKL_REPAIR_COSTS_V.

14.2.5 VALIDATE_REPAIR_COSTS (Overloaded)

This overloaded procedure includes:

- [VALIDATE_REPAIR_COSTS](#) on page 14-25
- [VALIDATE_REPAIR_COSTS](#) on page 14-26

VALIDATE_REPAIR_COSTS

Procedure Specification

Program Unit VALIDATE_REPAIR_COSTS

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_rpcv_tbl             IN      OKL_RPC_PVT.RPCV_TBL_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 14–37 VALIDATE_REPAIR_COSTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_rpcv_tbl	OKL_RPC_PVT.RPCV_TBL_TYPE	Yes	Table type of OKL_REPAIR_COSTS_V.

OUT Parameters

Table 14–38 VALIDATE_REPAIR_COSTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 14–38 VALIDATE_REPAIR_COSTS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_REPAIR_COSTS

Procedure Specification

```
Program Unit VALIDATE_REPAIR_COSTS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_rpcv_rec              IN      OKL_RPC_PVT.RPCV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 14–39 VALIDATE_REPAIR_COSTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_rpcv_rec	OKL_RPC_PVT.RPCV_REC_TYPE	Yes	Record type of OKL_REPAIR_COSTS_V.

OUT Parameters

Table 14–40 *VALIDATE_REPAIR_COSTS OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Lease Income Accrual Rule APIs

The following is a public package of Lease Income Accrual Rule APIs in Oracle Lease Management:

- [Package OKL_SETUP_ACCRUALS_PUB](#) on page 15-2

For information about all table and record type parameters, see [Appendix A, "API Data Structure Specifications"](#).

15.1 Package OKL_SETUP_ACCRUALS_PUB

This package contains the following procedures:

- [CREATE_ACCRUAL_RULES \(Overloaded\)](#) on page 15-2
- [DELETE_ACCRUAL_RULES \(Overloaded\)](#) on page 15-4
- [UPDATE_ACCRUAL_RULES \(Overloaded\)](#) on page 15-7

15.1.1 CREATE_ACCRUAL_RULES (Overloaded)

This overloaded procedure includes:

- [CREATE_ACCRUAL_RULES](#) on page 15-2
- [CREATE_ACCRUAL_RULES](#) on page 15-3

CREATE_ACCRUAL_RULES

Procedure Specification

```
Program Unit CREATE_ACCRUAL_RULES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_agnv_rec             IN      OKL_AGN_PVT.AGNV_REC_TYPE,
  x_agnv_rec             OUT     OKL_AGN_PVT.AGNV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 15–1 CREATE_ACCRUAL_RULES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 15–1 CREATE_ACCRUAL_RULES IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_agnv_rec	OKL_AGN_PVT.AGNV_REC_TYPE	Yes	Record type for view OKL_ACCRUAL_GNRTNS_V.

OUT Parameters

Table 15–2 CREATE_ACCRUAL_RULES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_agnv_rec	OKL_AGN_PVT.AGNV_REC_TYPE	Yes	Record type for view OKL_ACCRUAL_GNRTNS_V.

CREATE_ACCRUAL_RULES

Procedure Specification

Program Unit CREATE_ACCRUAL_RULES

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_agnv_tbl             IN      OKL_AGN_PVT.AGNV_TBL_TYPE,
  x_agnv_tbl             OUT     OKL_AGN_PVT.AGNV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 15–3 CREATE_ACCRUAL_RULES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_agnv_tbl	OKL_AGN_ PVT.AGNV_TBL_ TYPE	Yes	Table of records for view OKL_ACCRUAL_GNRTNS_V.

OUT Parameters

Table 15–4 CREATE_ACCRUAL_RULES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_agnv_tbl	OKL_AGN_ PVT.AGNV_TBL_ TYPE	Yes	Table of records for view OKL_ACCRUAL_GNRTNS_V.

15.1.2 DELETE_ACCRUAL_RULES (Overloaded)

This overloaded procedure includes:

- [DELETE_ACCRUAL_RULES](#) on page 15-5
- [DELETE_ACCRUAL_RULES](#) on page 15-6

DELETE_ACCRUAL_RULES

Procedure Specification

Program Unit DELETE_ACCRUAL_RULES

```
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_agnv_rec             IN      OKL_AGN_PVT.AGNV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 15–5 DELETE_ACCRUAL_RULES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_agnv_rec	OKL_AGN_PVT.AGNV_REC_TYPE	Yes	Record type for view OKL_ACCRUAL_GNRTNS_V.

OUT Parameters

Table 15–6 DELETE_ACCRUAL_RULES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 15–6 DELETE_ACCRUAL_RULES OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_ACCRUAL_RULES

Procedure Specification

```
Program Unit DELETE_ACCRUAL_RULES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_agnv_tbl             IN      OKL_AGN_PVT.AGNV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 15–7 DELETE_ACCRUAL_RULES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_agnv_tbl	OKL_AGN_PVT.AGNV_TBL_TYPE	Yes	Table of records for view OKL_ACCRUAL_GNRTNS_V.

OUT Parameters

Table 15–8 DELETE_ACCRUAL_RULES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

15.1.3 UPDATE_ACCRUAL_RULES (Overloaded)

This overloaded procedure includes:

- [UPDATE_ACCRUAL_RULES](#) on page 15-7
- [UPDATE_ACCRUAL_RULES](#) on page 15-8

UPDATE_ACCRUAL_RULES

Procedure Specification

Program Unit UPDATE_ACCRUAL_RULES

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_agnv_rec             IN      OKL_AGN_PVT.AGNV_REC_TYPE,
  x_agnv_rec            OUT     OKL_AGN_PVT.AGNV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 15–9 UPDATE_ACCRUAL_RULES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_agnv_rec	OKL_AGN_PVT.AGNV_REC_TYPE	Yes	Record type for view OKL_ACCRUAL_GNRTNS_V.

OUT Parameters

Table 15–10 UPDATE_ACCRUAL_RULES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_agnv_rec	OKL_AGN_PVT.AGNV_REC_TYPE	Yes	Record type for view OKL_ACCRUAL_GNRTNS_V.

UPDATE_ACCRUAL_RULES

Procedure Specification

```
Program Unit UPDATE_ACCRUAL_RULES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_agnv_tbl             IN      OKL_AGN_PVT.AGNV_TBL_TYPE,
  x_agnv_tbl             OUT     OKL_AGN_PVT.AGNV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters**Table 15–11 UPDATE_ACCRUAL_RULES IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_agnv_tbl	OKL_AGN_ PVT.AGNV_TBL_ TYPE	Yes	Table of records for view OKL_ACCRUAL_GNRTNS_V.

OUT Parameters**Table 15–12 UPDATE_ACCRUAL_RULES OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_agnv_tbl	OKL_AGN_ PVT.AGNV_TBL_ TYPE	Yes	Table of records for view OKL_ACCRUAL_GNRTNS_V.

Loss Provision Rule APIs

The following is a public package of Loss Provision Rule APIs in Oracle Lease Management:

- [Package OKL_PROCESS_BUCKETS_PUB](#) on page 16-2

For information about all table and record type parameters, see [Appendix A, "API Data Structure Specifications"](#).

16.1 Package OKL_PROCESS_BUCKETS_PUB

This package contains the following procedures:

- [CREATE_BUCKETS \(Overloaded\)](#) on page 16-2
- [DELETE_BUCKETS \(Overloaded\)](#) on page 16-4
- [UPDATE_BUCKETS \(Overloaded\)](#) on page 16-7

16.1.1 CREATE_BUCKETS (Overloaded)

This overloaded procedure includes:

- [CREATE_BUCKETS](#) on page 16-2
- [CREATE_BUCKETS](#) on page 16-3

CREATE_BUCKETS

Procedure Specification

```
Program Unit CREATE_BUCKETS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_bktv_rec             IN      OKL_BKT_PVT.BKTV_REC_TYPE,
  x_bktv_rec             OUT     OKL_BKT_PVT.BKTV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 16–1 Table xxxx CREATE_BUCKETS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 16–1 Table xxxx CREATE_BUCKETS IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_bktv_rec	OKL_BKT_PVT.BKTV_REC_TYPE	Yes	Record type for view OKL_BUCKETS_V.

OUT Parameters

Table 16–2 Table xxxx CREATE_BUCKETS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_bktv_rec	OKL_BKT_PVT.BKTV_REC_TYPE	Yes	Record type for view OKL_BUCKETS_V.

CREATE_BUCKETS

Procedure Specification

Program Unit CREATE_BUCKETS

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_bktv_tbl              IN      OKL_BKT_PVT.BKTV_TBL_TYPE,
  x_bktv_tbl              OUT     OKL_BKT_PVT.BKTV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 16–3 Table xxxx CREATE_BUCKETS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_bktv_tbl	OKL_BKT_PVT.BKTV_TBL_TYPE	Yes	Table of records for view OKL_BUCKETS_V.

OUT Parameters

Table 16–4 Table xxxx CREATE_BUCKETS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_bktv_tbl	OKL_BKT_PVT.BKTV_TBL_TYPE	Yes	Table of records for view OKL_BUCKETS_V.

16.1.2 DELETE_BUCKETS (Overloaded)

This overloaded procedure includes:

- [DELETE_BUCKETS](#) on page 16-5
- [DELETE_BUCKETS](#) on page 16-6

DELETE_BUCKETS

Procedure Specification

Program Unit DELETE_BUCKETS

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_bktv_rec             IN      OKL_BKT_PVT.BKTV_REC_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 16–5 Table xxxx DELETE_BUCKETS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_bktv_rec	OKL_BKT_PVT.BKTV_REC_TYPE	Yes	Record type for view OKL_BUCKETS_V.

OUT Parameters

Table 16–6 Table xxxx DELETE_BUCKETS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 16–6 Table xxxx DELETE_BUCKETS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_BUCKETS

Procedure Specification

```
Program Unit DELETE_BUCKETS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_bktv_tbl              IN      OKL_BKT_PVT.BKTV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 16–7 Table xxxx DELETE_BUCKETS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_bktv_tbl	OKL_BKT_PVT.BKTV_TBL_TYPE	Yes	Table of records for view OKL_BUCKETS_V.

OUT Parameters

Table 16–8 Table xxxx DELETE_BUCKETS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

16.1.3 UPDATE_BUCKETS (Overloaded)

This overloaded procedure includes:

- [UPDATE_BUCKETS](#) on page 16-7
- [UPDATE_BUCKETS](#) on page 16-8

UPDATE_BUCKETS

Procedure Specification

```
Program Unit UPDATE_BUCKETS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_bktv_rec            IN      OKL_BKT_PVT.BKTV_REC_TYPE,
    x_bktv_rec            OUT     OKL_BKT_PVT.BKTV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 16–9 Table xxxx UPDATE_BUCKETS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_bktv_rec	OKL_BKT_PVT.BKTV_REC_TYPE	Yes	Record type for view OKL_BUCKETS_V.

OUT Parameters

Table 16–10 Table xxxx UPDATE_BUCKETS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_bktv_rec	OKL_BKT_PVT.BKTV_REC_TYPE	Yes	Record type for view OKL_BUCKETS_V.

UPDATE_BUCKETS

Procedure Specification

```
Program Unit UPDATE_BUCKETS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_bktv_tbl              IN      OKL_BKT_PVT.BKTV_TBL_TYPE,
  x_bktv_tbl              OUT     OKL_BKT_PVT.BKTV_TBL_TYPE
);
```


Current Version

1.0

IN Parameters**Table 16–11 Table xxxx UPDATE_BUCKETS IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_bktv_tbl	OKL_BKT_ PVT.BKTV_TBL_ TYPE	Yes	Table of records for view OKL_BUCKETS_V.

OUT Parameters**Table 16–12 Table xxxx UPDATE_BUCKETS OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_bktv_tbl	OKL_BKT_ PVT.BKTV_TBL_ TYPE	Yes	Table of records for view OKL_BUCKETS_V.

Off-Lease Asset Amortization Rule APIs

The following is a public package of Off-Lease Asset Amortization Rule APIs in Oracle Lease Management:

- [Package OKL_AMORT_HOLD_SETUPS_PUB](#) on page 17-2

For information about all table and record type parameters, see [Appendix A, "API Data Structure Specifications"](#).

17.1 Package OKL_AMORT_HOLD_SETUPS_PUB

This package contains the following procedures:

- [DELETE_AMORT_HOLD_SETUPS \(Overloaded\)](#) on page 17-2
- [INSERT_AMORT_HOLD_SETUPS \(Overloaded\)](#) on page 17-4
- [LOCK_AMORT_HOLD_SETUPS \(Overloaded\)](#) on page 17-7
- [UPDATE_AMORT_HOLD_SETUPS \(Overloaded\)](#) on page 17-9
- [VALIDATE_AMORT_HOLD_SETUPS \(Overloaded\)](#) on page 17-12

17.1.1 DELETE_AMORT_HOLD_SETUPS (Overloaded)

This overloaded procedure includes:

- [DELETE_AMORT_HOLD_SETUPS](#) on page 17-2
- [DELETE_AMORT_HOLD_SETUPS](#) on page 17-3

DELETE_AMORT_HOLD_SETUPS

Procedure Specification

```
Program Unit DELETE_AMORT_HOLD_SETUPS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_amhv_tbl             IN      OKL_AMH_PVT.AMHV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 17–1 DELETE_AMORT_HOLD_SETUPS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_amhv_tbl	OKL_AMH_PVT.AMHV_TBL_TYPE	Yes	Table type of OKL_AMORT_HOLD_SETUPS_V.

OUT Parameters

Table 17–2 DELETE_AMORT_HOLD_SETUPS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_AMORT_HOLD_SETUPS

Procedure Specification

Program Unit DELETE_AMORT_HOLD_SETUPS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_amhv_rec             IN      OKL_AMH_PVT.AMHV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 17–3 DELETE_AMORT_HOLD_SETUPS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_amhv_rec	OKL_AMH_PVT.AMHV_REC_TYPE	Yes	Record type of OKL_AMORT_HOLD_SETUPS_V.

OUT Parameters

Table 17–4 DELETE_AMORT_HOLD_SETUPS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

17.1.2 INSERT_AMORT_HOLD_SETUPS (Overloaded)

This overloaded procedure includes:

- [INSERT_AMORT_HOLD_SETUPS](#) on page 17-4
- [INSERT_AMORT_HOLD_SETUPS](#) on page 17-6

INSERT_AMORT_HOLD_SETUPS

Procedure Specification

Program Unit INSERT_AMORT_HOLD_SETUPS
(

```

p_api_version          IN      NUMBER,
p_init_msg_list        IN      VARCHAR2,
x_return_status        OUT     VARCHAR2,
x_msg_count            OUT     NUMBER,
x_msg_data             OUT     VARCHAR2,
p_amhv_tbl             IN      OKL_AMH_PVT.AMHV_TBL_TYPE,
x_amhv_tbl             OUT     OKL_AMH_PVT.AMHV_TBL_TYPE
);

```

Current Version

1.0

IN Parameters

Table 17–5 INSERT_AMORT_HOLD_SETUPS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_amhv_tbl	OKL_AMH_PVT.AMHV_TBL_TYPE	Yes	Table type of OKL_AMORT_HOLD_SETUPS_V.

OUT Parameters

Table 17–6 INSERT_AMORT_HOLD_SETUPS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_amhv_tbl	OKL_AMH_PVT.AMHV_TBL_TYPE	Yes	Table type of OKL_AMORT_HOLD_SETUPS_V.

INSERT_AMORT_HOLD_SETUPS

Procedure Specification

```
Program Unit INSERT_AMORT_HOLD_SETUPS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_amhv_rec             IN      OKL_AMH_PVT.AMHV_REC_TYPE,
  x_amhv_rec             OUT     OKL_AMH_PVT.AMHV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 17-7 INSERT_AMORT_HOLD_SETUPS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_amhv_rec	OKL_AMH_PVT.AMHV_REC_TYPE	Yes	Record type of OKL_AMORT_HOLD_SETUPS_V.

OUT Parameters

Table 17-8 INSERT_AMORT_HOLD_SETUPS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 17–8 INSERT_AMORT_HOLD_SETUPS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_amhv_rec	OKL_AMH_PVT.AMHV_REC_TYPE	Yes	Record type of OKL_AMORT_HOLD_SETUPS_V.

17.1.3 LOCK_AMORT_HOLD_SETUPS (Overloaded)

This overloaded procedure includes:

- [LOCK_AMORT_HOLD_SETUPS](#) on page 17-7
- [LOCK_AMORT_HOLD_SETUPS](#) on page 17-8

LOCK_AMORT_HOLD_SETUPS

Procedure Specification

Program Unit LOCK_AMORT_HOLD_SETUPS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_amhv_tbl             IN      OKL_AMH_PVT.AMHV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 17–9 LOCK_AMORT_HOLD_SETUPS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 17–9 LOCK_AMORT_HOLD_SETUPS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_amhv_tbl	OKL_AMH_PVT.AMHV_TBL_TYPE	Yes	Table type of OKL_AMORT_HOLD_SETUPS_V.

OUT Parameters

Table 17–10 LOCK_AMORT_HOLD_SETUPS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_AMORT_HOLD_SETUPS

Procedure Specification

```
Program Unit LOCK_AMORT_HOLD_SETUPS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_amhv_rec              IN      OKL_AMH_PVT.AMHV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 17–11 LOCK_AMORT_HOLD_SETUPS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_amhv_rec	OKL_AMH_PVT.AMHV_REC_TYPE	Yes	Record type of OKL_AMORT_HOLD_SETUPS_V.

OUT Parameters

Table 17–12 LOCK_AMORT_HOLD_SETUPS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

17.1.4 UPDATE_AMORT_HOLD_SETUPS (Overloaded)

This overloaded procedure includes:

- [UPDATE_AMORT_HOLD_SETUPS](#) on page 17-9
- [UPDATE_AMORT_HOLD_SETUPS](#) on page 17-11

UPDATE_AMORT_HOLD_SETUPS

Procedure Specification

Program Unit UPDATE_AMORT_HOLD_SETUPS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
```

```
x_msg_count          OUT      NUMBER,
x_msg_data           OUT      VARCHAR2,
p_amhv_tbl           IN       OKL_AMH_PVT.AMHV_TBL_TYPE,
x_amhv_tbl           OUT      OKL_AMH_PVT.AMHV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 17–13 UPDATE_AMORT_HOLD_SETUPS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_amhv_tbl	OKL_AMH_PVT.AMHV_TBL_TYPE	Yes	Table type of OKL_AMORT_HOLD_SETUPS_V.

OUT Parameters

Table 17–14 UPDATE_AMORT_HOLD_SETUPS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_amhv_tbl	OKL_AMH_PVT.AMHV_TBL_TYPE	Yes	Table type of OKL_AMORT_HOLD_SETUPS_V.

UPDATE_AMORT_HOLD_SETUPS

Procedure Specification

Program Unit UPDATE_AMORT_HOLD_SETUPS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_amhv_rec             IN      OKL_AMH_PVT.AMHV_REC_TYPE,
  x_amhv_rec             OUT     OKL_AMH_PVT.AMHV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 17–15 UPDATE_AMORT_HOLD_SETUPS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_amhv_rec	OKL_AMH_PVT.AMHV_REC_TYPE	Yes	Record type of OKL_AMORT_HOLD_SETUPS_V.

OUT Parameters

Table 17–16 UPDATE_AMORT_HOLD_SETUPS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 17–16 UPDATE_AMORT_HOLD_SETUPS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_amhv_rec	OKL_AMH_PVT.AMHV_REC_TYPE	Yes	Record type of OKL_AMORT_HOLD_SETUPS_V.

17.1.5 VALIDATE_AMORT_HOLD_SETUPS (Overloaded)

This overloaded procedure includes:

- [VALIDATE_AMORT_HOLD_SETUPS](#) on page 17-12
- [VALIDATE_AMORT_HOLD_SETUPS](#) on page 17-13

VALIDATE_AMORT_HOLD_SETUPS

Procedure Specification

Program Unit VALIDATE_AMORT_HOLD_SETUPS

```
(  
    p_api_version          IN          NUMBER,  
    p_init_msg_list        IN          VARCHAR2,  
    x_return_status        OUT         VARCHAR2,  
    x_msg_count            OUT         NUMBER,  
    x_msg_data             OUT         VARCHAR2,  
    p_amhv_tbl             IN          OKL_AMH_PVT.AMHV_TBL_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 17–17 UPDATE_AMORT_HOLD_SETUPS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 17–17 UPDATE_AMORT_HOLD_SETUPS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_amhv_rec	OKL_AMH_PVT.AMHV_REC_TYPE	Yes	Record type of OKL_AMORT_HOLD_SETUPS_V.

OUT Parameters

Table 17–18 UPDATE_AMORT_HOLD_SETUPS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_amhv_rec	OKL_AMH_PVT.AMHV_REC_TYPE	Yes	Record type of OKL_AMORT_HOLD_SETUPS_V.

VALIDATE_AMORT_HOLD_SETUPS

Procedure Specification

Program Unit VALIDATE_AMORT_HOLD_SETUPS

```
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_amhv_rec             IN      OKL_AMH_PVT.AMHV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 17–19 *VALIDATE_AMORT_HOLD_SETUPS IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_amhv_rec	OKL_AMH_PVT.AMHV_REC_TYPE	Yes	Record type of OKL_AMORT_HOLD_SETUPS_V.

OUT Parameters

Table 17–20 *VALIDATE_AMORT_HOLD_SETUPS OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Insurance APIs

The following are public packages of Insurance APIs in Oracle Lease Management:

- [Package OKL_INSURER_RANKINGS_PUB](#) on page 18-2
- [Package OKL_INS_CLASS_CATS_PUB](#) on page 18-14
- [Package OKL_INS_EXCLUSIONS_PUB](#) on page 18-27
- [Package OKL_INS_PRODUCTS_PUB](#) on page 18-39
- [Package OKL_INS_RATES_PUB](#) on page 18-51

For information about all table and record type parameters, see [Appendix A, "API Data Structure Specifications"](#).

18.1 Package OKL_INSURER_RANKINGS_PUB

This package contains the following procedures:

- [DELETE_INSURER_RANKINGS \(Overloaded\)](#) on page 18-2
- [INSERT_INSURER_RANKINGS \(Overloaded\)](#) on page 18-4
- [LOCK_INSURER_RANKINGS \(Overloaded\)](#) on page 18-7
- [UPDATE_INSURER_RANKINGS \(Overloaded\)](#) on page 18-9
- [VALIDATE_INSURER_RANKINGS \(Overloaded\)](#) on page 18-12

18.1.1 DELETE_INSURER_RANKINGS (Overloaded)

This overloaded procedure includes:

- [DELETE_INSURER_RANKINGS](#) on page 18-2
- [DELETE_INSURER_RANKINGS](#) on page 18-3

DELETE_INSURER_RANKINGS

Procedure Specification

```
Program Unit DELETE_INSURER_RANKINGS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_irkv_tbl              IN      OKL_IRK_PVT.IRKV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 18–1 DELETE_INSURER_RANKINGS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_irkv_tbl	OKL_IRK_PVT.IRKV_TBL_TYPE	Yes	Table of record type for view OKL_INSURER_RANKINGS_V.

OUT Parameters

Table 18–2 DELETE_INSURER_RANKINGS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_INSURER_RANKINGS

Procedure Specification

Program Unit DELETE_INSURER_RANKINGS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_irkv_rec             IN      OKL_IRK_PVT.IRKV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 18–3 DELETE_INSURER_RANKINGS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_irkv_rec	OKL_IRK_PVT.IRKV_REC_TYPE	Yes	Record type for view OKL_INSURER_RANKINGS_V

OUT Parameters

Table 18–4 DELETE_INSURER_RANKINGS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

18.1.2 INSERT_INSURER_RANKINGS (Overloaded)

This overloaded procedure includes:

- [INSERT_INSURER_RANKINGS](#) on page 18-4
- [INSERT_INSURER_RANKINGS](#) on page 18-6

INSERT_INSURER_RANKINGS

Procedure Specification

```
Program Unit INSERT_INSURER_RANKINGS
(  

```

```

p_api_version          IN      NUMBER,
p_init_msg_list        IN      VARCHAR2,
x_return_status        OUT     VARCHAR2,
x_msg_count            OUT     NUMBER,
x_msg_data             OUT     VARCHAR2,
p_irkv_tbl             IN      OKL_IRK_PVT.IRKV_TBL_TYPE,
x_irkv_tbl             OUT     OKL_IRK_PVT.IRKV_TBL_TYPE
);

```

Current Version

1.0

IN Parameters

Table 18–5 INSERT_INSURER_RANKINGS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_irkv_tbl	OKL_IRK_PVT.IRKV_TBL_TYPE	Yes	Table of record type for view OKL_INSURER_RANKINGS_V.

OUT Parameters

Table 18–6 INSERT_INSURER_RANKINGS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_irkv_tbl	OKL_IRK_PVT.IRKV_TBL_TYPE	Yes	Table of record type for view OKL_INSURER_RANKINGS_V

INSERT_INSURER_RANKINGS

Procedure Specification

```
Program Unit INSERT_INSURER_RANKINGS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_irkv_rec             IN      OKL_IRK_PVT.IRKV_REC_TYPE,
  x_irkv_rec             OUT     OKL_IRK_PVT.IRKV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 18–7 INSERT_INSURER_RANKINGS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_irkv_rec	OKL_IRK_PVT.IRKV_REC_TYPE	Yes	Record type for view OKL_INSURER_RANKINGS_V.

OUT Parameters

Table 18–8 INSERT_INSURER_RANKINGS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 18–8 INSERT_INSURER_RANKINGS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_irkv_rec	OKL_IRK_ PVT.IRKV_REC_ TYPE	Yes	Record type for view OKL_ INSURER_RANKINGS_V.

18.1.3 LOCK_INSURER_RANKINGS (Overloaded)

This overloaded procedure includes:

- [LOCK_INSURER_RANKINGS](#) on page 18-7
- [LOCK_INSURER_RANKINGS](#) on page 18-8

LOCK_INSURER_RANKINGS

Procedure Specification

Program Unit LOCK_INSURER_RANKINGS

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status         OUT     VARCHAR2,  
    x_msg_count             OUT     NUMBER,  
    x_msg_data              OUT     VARCHAR2,  
    p_irkv_tbl              IN      OKL_IRK_PVT.IRKV_TBL_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 18–9 LOCK_INSURER_RANKINGS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 18–9 LOCK_INSURER_RANKINGS IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_irkv_tbl	OKL_IRK_PVT.IRKV_TBL_TYPE	Yes	Table of record type for view OKL_INSURER_RANKINGS_V.

OUT Parameters

Table 18–10 LOCK_INSURER_RANKINGS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_INSURER_RANKINGS

Procedure Specification

```
Program Unit LOCK_INSURER_RANKINGS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_irkv_rec              IN      OKL_IRK_PVT.IRKV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 18–11 LOCK_INSURER_RANKINGS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_irkv_rec	OKL_IRK_ PVT.IRKV_REC_ TYPE	Yes	Record type for view OKL_INSURER_RANKINGS_V.

OUT Parameters

Table 18–12 LOCK_INSURER_RANKINGS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

18.1.4 UPDATE_INSURER_RANKINGS (Overloaded)

This overloaded procedure includes:

- [UPDATE_INSURER_RANKINGS](#) on page 18-9
- [UPDATE_INSURER_RANKINGS](#) on page 18-11

UPDATE_INSURER_RANKINGS

Procedure Specification

Program Unit UPDATE_INSURER_RANKINGS

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
```

```
x_msg_data          OUT      VARCHAR2,
p_irkv_tbl          IN       OKL_IRK_PVT.IRKV_TBL_TYPE,
x_irkv_tbl          OUT      OKL_IRK_PVT.IRKV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 18–13 UPDATE_INSURER_RANKINGS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_irkv_tbl	OKL_IRK_PVT.IRKV_TBL_TYPE	Yes	Table of record type for view OKL_INSURER_RANKINGS_V.

OUT Parameters

Table 18–14 UPDATE_INSURER_RANKINGS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_irkv_tbl	OKL_IRK_PVT.IRKV_TBL_TYPE	Yes	Table of record type for view OKL_INSURER_RANKINGS_V.

UPDATE_INSURER_RANKINGS

Procedure Specification

Program Unit UPDATE_INSURER_RANKINGS

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_irkv_rec             IN      OKL_IRK_PVT.IRKV_REC_TYPE,  
    x_irkv_rec             OUT     OKL_IRK_PVT.IRKV_REC_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 18–15 UPDATE_INSURER_RANKINGS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_irkv_rec	OKL_IRK_PVT.IRKV_REC_TYPE	Yes	Record type for view OKL_INSURER_RANKINGS_V.

OUT Parameters

Table 18–16 UPDATE_INSURER_RANKINGS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 18–16 UPDATE_INSURER_RANKINGS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_irkv_rec	OKL_IRK_PVT.IRKV_REC_TYPE	Yes	Record type for view OKL_INSURER_RANKINGS_V

18.1.5 VALIDATE_INSURER_RANKINGS (Overloaded)

This overloaded procedure includes:

- [VALIDATE_INSURER_RANKINGS](#) on page 18-12
- [VALIDATE_INSURER_RANKINGS](#) on page 18-13

VALIDATE_INSURER_RANKINGS

Procedure Specification

Program Unit VALIDATE_INSURER_RANKINGS

```
(  
    p_api_version           IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_irkv_tbl             IN      OKL_IRK_PVT.IRKV_TBL_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 18–17 VALIDATE_INSURER_RANKINGS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 18–17 VALIDATE_INSURER_RANKINGS IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_irkv_tbl	OKL_IRK_PVT.IRKV_TBL_TYPE	Yes	Record type for view OKL_INSURER_RANKINGS_V.

OUT Parameters

Table 18–18 VALIDATE_INSURER_RANKINGS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_INSURER_RANKINGS

Procedure Specification

Program Unit VALIDATE_INSURER_RANKINGS

```
(  
    p_api_version           IN      NUMBER,  
    p_init_msg_list         IN      VARCHAR2,  
    x_return_status         OUT     VARCHAR2,  
    x_msg_count             OUT     NUMBER,  
    x_msg_data              OUT     VARCHAR2,  
    p_irkv_rec              IN      OKL_IRK_PVT.IRKV_REC_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 18–19 *VALIDATE_INSURER_RANKINGS IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_irkv_rec	OKL_IRK_ PVT.IRKV_REC_ TYPE	Yes	Record type for view OKL_ INSURER_RANKINGS_V

OUT Parameters

Table 18–20 *VALIDATE_INSURER_RANKINGS OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

18.2 Package OKL_INS_CLASS_CATS_PUB

This package contains the following procedures:

- [DELETE_INS_CLASS_CATS \(Overloaded\)](#) on page 18-14
- [INSERT_INS_CLASS_CATS \(Overloaded\)](#) on page 18-17
- [LOCK_INS_CLASS_CATS \(Overloaded\)](#) on page 18-19
- [UPDATE_INS_CLASS_CATS \(Overloaded\)](#) on page 18-22
- [VALIDATE_INS_CLASS_CATS \(Overloaded\)](#) on page 18-24

18.2.1 DELETE_INS_CLASS_CATS (Overloaded)

This overloaded procedure includes:

- [DELETE_INS_CLASS_CATS](#) on page 18-15

- [DELETE_INS_CLASS_CATS](#) on page 18-16

DELETE_INS_CLASS_CATS

Procedure Specification

```
Program Unit DELETE_INS_CLASS_CATS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_icgv_tbl             IN      OKL_ICG_PVT.ICGV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 18–21 DELETE_INS_CLASS_CATS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_icgv_tbl	OKL_ICG_PVT.ICGV_TBL_TYPE	Yes	Table of record type for view OKL_INS_CLASS_CATS_V.

OUT Parameters

Table 18–22 DELETE_INS_CLASS_CATS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Table 18–22 DELETE_INS_CLASS_CATS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_INS_CLASS_CATS

Procedure Specification

Program Unit DELETE_INS_CLASS_CATS

```
(  
    p_api_version           IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_icgv_rec             IN      OKL_ICG_PVT.ICGV_REC_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 18–23 DELETE_INS_CLASS_CATS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_icgv_rec	OKL_ICG_PVT.ICGV_REC_TYPE	Yes	Record type for view OKL_INS_CLASS_CATS_V.

OUT Parameters

Table 18–24 DELETE_INS_CLASS_CATS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

18.2.2 INSERT_INS_CLASS_CATS (Overloaded)

This overloaded procedure includes:

- [INSERT_INSURER_RANKINGS](#) on page 18-4
- [INSERT_INSURER_RANKINGS](#) on page 18-6

INSERT_INS_CLASS_CATS

Procedure Specification

```
Program Unit INSERT_INS_CLASS_CATS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_icgv_tbl             IN      OKL_ICG_PVT.ICGV_TBL_TYPE,
  x_icgv_tbl             OUT     OKL_ICG_PVT.ICGV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 18-25 INSERT_INS_CLASS_CATS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_icgv_tbl	OKL_ICG_PVT.ICGV_TBL_TYPE	Yes	Table of record type for view OKL_INS_CLASS_CATS_V.

OUT Parameters

Table 18-26 INSERT_INS_CLASS_CATS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_icgv_tbl	OKL_ICG_PVT.ICGV_TBL_TYPE	Yes	Table of record type for view OKL_INS_CLASS_CATS_V.

INSERT_INS_CLASS_CATS

Procedure Specification

```
Program Unit INSERT_INS_CLASS_CATS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_icgv_rec             IN      OKL_ICG_PVT.ICGV_REC_TYPE,
  x_icgv_rec             OUT     OKL_ICG_PVT.ICGV_REC_TYPE
);
```

Current Version

1.0

IN Parameters**Table 18–27 INSERT_INS_CLASS_CATS IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_icgv_rec	OKL_ICG_ PVT.ICGV_REC_ TYPE	Yes	Record type for view OKL_ INS_CLASS_CATS_V.

OUT Parameters**Table 18–28 INSERT_INS_CLASS_CATS OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_icgv_rec	OKL_ICG_ PVT.ICGV_REC_ TYPE	Yes	Record type for view OKL_ INS_CLASS_CATS_V.

18.2.3 LOCK_INS_CLASS_CATS (Overloaded)

This overloaded procedure includes:

- [LOCK_INSURER_RANKINGS](#) on page 18-7
- [LOCK_INSURER_RANKINGS](#) on page 18-8

LOCK_INS_CLASS_CATS

Procedure Specification

```
Program Unit LOCK_INS_CLASS_CATS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_icgv_tbl             IN      OKL_ICG_PVT.ICGV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 18–29 LOCK_INS_CLASS_CATS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_icgv_tbl	OKL_ICG_PVT.ICGV_TBL_TYPE	Yes	Table of record type for view OKL_INS_CLASS_CATS_V.

OUT Parameters

Table 18–30 LOCK_INS_CLASS_CATS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 18–30 LOCK_INS_CLASS_CATS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_INS_CLASS_CATS

Procedure Specification

```
Program Unit LOCK_INS_CLASS_CATS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_icgv_rec             IN      OKL_ICG_PVT.ICGV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 18–31 LOCK_INS_CLASS_CATS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_icgv_rec	OKL_ICG_PVT.ICGV_REC_TYPE	Yes	Table of record type for view OKL_INS_CLASS_CATS_V.

OUT Parameters

Table 18-32 LOCK_INS_CLASS_CATS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

18.2.4 UPDATE_INS_CLASS_CATS (Overloaded)

This overloaded procedure includes:

- [UPDATE_INSURER_RANKINGS](#) on page 18-9
- [UPDATE_INSURER_RANKINGS](#) on page 18-11

UPDATE_INS_CLASS_CATS

Procedure Specification

```
Program Unit UPDATE_INS_CLASS_CATS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_icgv_tbl              IN      OKL_ICG_PVT.ICGV_TBL_TYPE,
    x_icgv_tbl              OUT     OKL_ICG_PVT.ICGV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 18–33 UPDATE_INS_CLASS_CATS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_icgv_tbl	OKL_ICG_PVT.ICGV_TBL_TYPE	Yes	Table of record type for view OKL_INS_CLASS_CATS_V.

OUT Parameters

Table 18–34 UPDATE_INS_CLASS_CATS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_icgv_tbl	OKL_ICG_PVT.ICGV_TBL_TYPE	Yes	Table of record type for view OKL_INS_CLASS_CATS_V.

UPDATE_INS_CLASS_CATS

Procedure Specification

Program Unit UPDATE_INS_CLASS_CATS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_icgv_rec             IN      OKL_ICG_PVT.ICGV_REC_TYPE,
  x_icgv_rec             OUT     OKL_ICG_PVT.ICGV_REC_TYPE
);
```

Current Version

1.0

IN Parameters**Table 18–35 UPDATE_INS_CLASS_CATS IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_icgv_rec	OKL_ICG_ PVT.ICGV_REC_ TYPE	Yes	Record type for view OKL_ INS_CLASS_CATS_V.

OUT Parameters**Table 18–36 UPDATE_INS_CLASS_CATS OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_icgv_rec	OKL_ICG_ PVT.ICGV_REC_ TYPE	Yes	Record type for view OKL_ INS_CLASS_CATS_V.

18.2.5 VALIDATE_INS_CLASS_CATS (Overloaded)

This overloaded procedure includes:

- [VALIDATE_INSURER_RANKINGS](#) on page 18-12
- [VALIDATE_INSURER_RANKINGS](#) on page 18-13

VALIDATE_INS_CLASS_CATS

Procedure Specification

```
Program Unit VALIDATE_INS_CLASS_CATS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_icgv_tbl             IN      OKL_ICGV_PVT.ICGV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 18–37 VALIDATE_INS_CLASS_CATS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_icgv_tbl	OKL_ICGV_PVT.ICGV_TBL_TYPE	Yes	Table of record type for view OKL_INS_CLASS_CATS_V.

OUT Parameters

Table 18–38 VALIDATE_INS_CLASS_CATS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 18–38 VALIDATE_INS_CLASS_CATS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_INS_CLASS_CATS

Procedure Specification

```
Program Unit VALIDATE_INS_CLASS_CATS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_icgv_rec             IN      OKL_ICG_PVT.ICGV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 18–39 VALIDATE_INS_CLASS_CATS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_icgv_rec	OKL_ICG_PVT.ICGV_REC_TYPE	Yes	Record type for view OKL_INS_CLASS_CATS_V.

OUT Parameters

Table 18–40 VALIDATE_INS_CLASS_CATS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

18.3 Package OKL_INS_EXCLUSIONS_PUB

This package contains the following procedures:

- [DELETE_INS_EXCLUSIONS \(Overloaded\)](#) on page 18-27
- [INSERT_INS_EXCLUSIONS \(Overloaded\)](#) on page 18-29
- [LOCK_INS_EXCLUSIONS \(Overloaded\)](#) on page 18-32
- [UPDATE_INS_EXCLUSIONS \(Overloaded\)](#) on page 18-34
- [VALIDATE_INS_EXCLUSIONS \(Overloaded\)](#) on page 18-37

18.3.1 DELETE_INS_EXCLUSIONS (Overloaded)

This overloaded procedure includes:

- [DELETE_INS_CLASS_CATS](#) on page 18-15
- [DELETE_INS_CLASS_CATS](#) on page 18-16

DELETE_INS_EXCLUSIONS

Procedure Specification

Program Unit DELETE_INS_EXCLUSIONS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
```

```

    p_ienv_tbl          IN      OKL_IEN_PVT.IENV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 18–41 DELETE_INS_EXCLUSIONS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ienv_tbl	OKL_IEN_PVT.IENV_TBL_TYPE	Yes	Table of record type for view OKL_INS_EXCLUSIONS_V.

OUT Parameters

Table 18–42 DELETE_INS_EXCLUSIONS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_INS_EXCLUSIONS

Procedure Specification

```

Program Unit DELETE_INS_EXCLUSIONS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
```

```

x_msg_count          OUT      NUMBER,
x_msg_data           OUT      VARCHAR2,
p_ienv_rec           IN       OKL_IEN_PVT.IENV_REC_TYPE
);

```

Current Version

1.0

IN Parameters

Table 18–43 DELETE_INS_EXCLUSIONS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ienv_rec	OKL_IEN_PVT.IENV_REC_TYPE	Yes	Record type for view OKL_INS_EXCLUSIONS_V.

OUT Parameters

Table 18–44 DELETE_INS_EXCLUSIONS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

18.3.2 INSERT_INS_EXCLUSIONS (Overloaded)

This overloaded procedure includes:

- [INSERT_INS_CLASS_CATS](#) on page 18-17
- [INSERT_INS_CLASS_CATS](#) on page 18-18

INSERT_INS_EXCLUSIONS

Procedure Specification

```
Program Unit INSERT_INS_EXCLUSIONS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_ienv_tbl             IN      OKL_IEN_PVT.IENV_TBL_TYPE,
  x_ienv_tbl             OUT     OKL_IEN_PVT.IENV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 18–45 INSERT_INS_EXCLUSIONS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ienv_tbl	OKL_IEN_PVT.IENV_TBL_TYPE	Yes	Table of record type for view OKL_INS_EXCLUSIONS_V.

OUT Parameters

Table 18–46 INSERT_INS_EXCLUSIONS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 18–46 INSERT_INS_EXCLUSIONS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ienv_tbl	OKL_IEN_ PVT.IENV_TBL_ TYPE	Yes	Table of record type for view OKL_INS_EXCLUSIONS_V.

INSERT_INS_EXCLUSIONS

Procedure Specification

Program Unit INSERT_INS_EXCLUSIONS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_ienv_rec             IN      OKL_IEN_PVT.IENV_REC_TYPE,
  x_ienv_rec             OUT     OKL_IEN_PVT.IENV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 18–47 INSERT_INS_EXCLUSIONS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ienv_rec	OKL_IEN_ PVT.IENV_REC_ TYPE	Yes	Record type for view OKL_INS_EXCLUSIONS_V.

OUT Parameters

Table 18–48 INSERT_INS_EXCLUSIONS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ienv_rec	OKL_IEN_PVT.IENV_REC_TYPE	Yes	Record type for view OKL_INS_EXCLUSIONS_V.

18.3.3 LOCK_INS_EXCLUSIONS (Overloaded)

This overloaded procedure includes:

- [LOCK_INS_CLASS_CATS](#) on page 18-20
- [LOCK_INS_CLASS_CATS](#) on page 18-21

LOCK_INS_EXCLUSIONS

Procedure Specification

```
Program Unit LOCK_INS_EXCLUSIONS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_ienv_tbl             IN      OKL_IEN_PVT.IENV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 18–49 LOCK_INS_EXCLUSIONS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ienv_tbl	OKL_IEN_PVT.IENV_TBL_TYPE	Yes	Table of record type for view OKL_INS_EXCLUSIONS_V.

OUT Parameters

Table 18–50 LOCK_INS_EXCLUSIONS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_INS_EXCLUSIONS

Procedure Specification

```

Program Unit LOCK_INS_EXCLUSIONS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_ienv_rec             IN      OKL_IEN_PVT.IENV_REC_TYPE
);

```

Current Version

1.0

IN Parameters

Table 18–51 LOCK_INS_EXCLUSIONS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ienv_rec	OKL_IEN_PVT.IENV_REC_TYPE	Yes	Record type for view OKL_INS_EXCLUSIONS_V.

OUT Parameters

Table 18–52 LOCK_INS_EXCLUSIONS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

18.3.4 UPDATE_INS_EXCLUSIONS (Overloaded)

This overloaded procedure includes:

- [UPDATE_INS_CLASS_CATS](#) on page 18-22
- [UPDATE_INS_CLASS_CATS](#) on page 18-23

UPDATE_INS_EXCLUSIONS

Procedure Specification

```
Program Unit UPDATE_INS_EXCLUSIONS
(  

```

```

p_api_version          IN      NUMBER,
p_init_msg_list        IN      VARCHAR2,
x_return_status        OUT     VARCHAR2,
x_msg_count            OUT     NUMBER,
x_msg_data             OUT     VARCHAR2,
p_ienv_tbl             IN      OKL_IEN_PVT.IENV_TBL_TYPE,
x_ienv_tbl             OUT     OKL_IEN_PVT.IENV_TBL_TYPE
);

```

Current Version

1.0

IN Parameters

Table 18–53 UPDATE_INS_EXCLUSIONS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ienv_tbl	OKL_IEN_PVT.IENV_TBL_TYPE	Yes	Record type for view OKL_INS_EXCLUSIONS_V.

OUT Parameters

Table 18–54 UPDATE_INS_EXCLUSIONS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ienv_tbl	OKL_IEN_PVT.IENV_TBL_TYPE	Yes	Record type for view OKL_INS_EXCLUSIONS_V.

UPDATE_INS_EXCLUSIONS

Procedure Specification

```
Program Unit UPDATE_INS_EXCLUSIONS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_ienv_rec             IN      OKL_IEN_PVT.IENV_REC_TYPE,
    x_ienv_rec             OUT     OKL_IEN_PVT.IENV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 18-55 UPDATE_INS_EXCLUSIONS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ienv_rec	OKL_IEN_PVT.IENV_REC_TYPE	Yes	Record type for view OKL_INS_EXCLUSIONS_V.

OUT Parameters

Table 18-56 UPDATE_INS_EXCLUSIONS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 18–56 UPDATE_INS_EXCLUSIONS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ienv_rec	OKL_IEN_ PVT.IENV_REC_ TYPE	Yes	Record type for view OKL_INS_EXCLUSIONS_V.

18.3.5 VALIDATE_INS_EXCLUSIONS (Overloaded)

This overloaded procedure includes:

- [VALIDATE_INS_CLASS_CATS](#) on page 18-25
- [VALIDATE_INS_CLASS_CATS](#) on page 18-26

VALIDATE_INS_EXCLUSIONS

Procedure Specification

Program Unit VALIDATE_INS_EXCLUSIONS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_ienv_tbl             IN      OKL_IEN_PVT.IENV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 18–57 VALIDATE_INS_EXCLUSIONS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 18–57 VALIDATE_INS_EXCLUSIONS IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ienv_tbl	OKL_IEN_PVT.IENV_TBL_TYPE	Yes	Table of record type for view OKL_INS_EXCLUSIONS_V.

OUT Parameters

Table 18–58 VALIDATE_INS_EXCLUSIONS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_INS_EXCLUSIONS

Procedure Specification

```
Program Unit VALIDATE_INS_EXCLUSIONS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_ienv_rec              IN      OKL_IEN_PVT.IENV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 18–59 *VALIDATE_INS_EXCLUSIONS IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ienv_rec	OKL_IEN_PVT.IENV_REC_TYPE	Yes	Record type for view OKL_INS_EXCLUSIONS_V.

OUT Parameters

Table 18–60 *VALIDATE_INS_EXCLUSIONS OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

18.4 Package OKL_INS_PRODUCTS_PUB

This package contains the following procedures:

- [DELETE_INS_PRODUCTS \(Overloaded\)](#) on page 18-40
- [INSERT_INS_PRODUCTS \(Overloaded\)](#) on page 18-42
- [LOCK_INS_PRODUCTS \(Overloaded\)](#) on page 18-44
- [UPDATE_INS_PRODUCTS \(Overloaded\)](#) on page 18-47
- [VALIDATE_INS_PRODUCTS \(Overloaded\)](#) on page 18-49

18.4.1 DELETE_INS_PRODUCTS (Overloaded)

This overloaded procedure includes:

- [DELETE_INS_EXCLUSIONS](#) on page 18-27
- [DELETE_INS_EXCLUSIONS](#) on page 18-28

DELETE_INS_PRODUCTS

Procedure Specification

```
Program Unit DELETE_INS_PRODUCTS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_ip tv_tbl             IN      OKL_IPT_PVT.IPTV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 18–61 DELETE_INS_PRODUCTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ip tv_tbl	OKL_IPT_PVT.IPTV_TBL_TYPE	Yes	Table of record type for view OKL_INS_PRODUCTS_V.

OUT Parameters

Table 18–62 *DELETE_INS_PRODUCTS OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_INS_PRODUCTS

Procedure Specification

Program Unit DELETE_INS_PRODUCTS

```
(  
    p_api_version           IN      NUMBER,  
    p_init_msg_list         IN      VARCHAR2,  
    x_return_status         OUT     VARCHAR2,  
    x_msg_count             OUT     NUMBER,  
    x_msg_data              OUT     VARCHAR2,  
    p_iptv_rec              IN      OKL_IPT_PVT.IPTV_REC_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 18–63 *DELETE_INS_PRODUCTS IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_iptv_rec	OKL_IPT_PVT.IPTV_REC_TYPE	Yes	Record type for view OKL_INS_PRODUCTS_V.

OUT Parameters

Table 18–64 DELETE_INS_PRODUCTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

18.4.2 INSERT_INS_PRODUCTS (Overloaded)

This overloaded procedure includes:

- [INSERT_INS_EXCLUSIONS](#) on page 18-30
- [INSERT_INS_EXCLUSIONS](#) on page 18-31

INSERT_INS_PRODUCTS

Procedure Specification

```
Program Unit INSERT_INS_PRODUCTS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_iptv_tbl             IN      OKL_IPT_PVT.IPTV_TBL_TYPE,
  x_iptv_tbl             OUT     OKL_IPT_PVT.IPTV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 18–65 INSERT_INS_PRODUCTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_iptv_tbl	OKL_IPT_PVT.IPTV_TBL_TYPE	Yes	Table of record type for view OKL_INS_PRODUCTS_V.

OUT Parameters

Table 18–66 INSERT_INS_PRODUCTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_iptv_tbl	OKL_IPT_PVT.IPTV_TBL_TYPE	Yes	Table of record type for view OKL_INS_PRODUCTS_V.

INSERT_INS_PRODUCTS

Procedure Specification

Program Unit INSERT_INS_PRODUCTS

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_iptv_rec              IN      OKL_IPT_PVT.IPTV_REC_TYPE,
  x_iptv_rec              OUT     OKL_IPT_PVT.IPTV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 18–67 INSERT_INS_PRODUCTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ip tv_rec	OKL_IPT_PVT.IPTV_REC_TYPE	Yes	Record type for view OKL_INS_PRODUCTS_V.

OUT Parameters

Table 18–68 INSERT_INS_PRODUCTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ip tv_rec	OKL_IPT_PVT.IPTV_REC_TYPE	Yes	Record type for view OKL_INS_PRODUCTS_V.

18.4.3 LOCK_INS_PRODUCTS (Overloaded)

This overloaded procedure includes:

- [LOCK_INS_EXCLUSIONS](#) on page 18-32
- [LOCK_INS_EXCLUSIONS](#) on page 18-33

LOCK_INS_PRODUCTS

Procedure Specification

Program Unit LOCK_INS_PRODUCTS

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_ip tv_t bl          IN      OKL_IPT_PVT.IPTV_TBL_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 18–69 LOCK_INS_PRODUCTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ip tv_t bl	OKL_IPT_PVT.IPTV_TBL_TYPE	Yes	Table of record type for view OKL_INS_PRODUCTS_V.

OUT Parameters

Table 18–70 LOCK_INS_PRODUCTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_INS_PRODUCTS

Procedure Specification

```
Program Unit LOCK_INS_PRODUCTS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_iptv_rec             IN      OKL_IPT_PVT.IPTV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 18-71 LOCK_INS_PRODUCTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_iptv_rec	OKL_IPT_PVT.IPTV_REC_TYPE	Yes	Record type for view OKL_INS_PRODUCTS_V.

OUT Parameters

Table 18-72 LOCK_INS_PRODUCTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

18.4.4 UPDATE_INS_PRODUCTS (Overloaded)

This overloaded procedure includes:

- [UPDATE_INS_EXCLUSIONS](#) on page 18-34
- [UPDATE_INS_EXCLUSIONS](#) on page 18-36

UPDATE_INS_PRODUCTS

Procedure Specification

Program Unit UPDATE_INS_PRODUCTS

```
(  
  p_api_version           IN      NUMBER,  
  p_init_msg_list        IN      VARCHAR2,  
  x_return_status         OUT     VARCHAR2,  
  x_msg_count            OUT     NUMBER,  
  x_msg_data             OUT     VARCHAR2,  
  p_ip tv_t bl           IN      OKL_IPT_PVT.IPTV_TBL_TYPE,  
  x_ip tv_t bl           OUT     OKL_IPT_PVT.IPTV_TBL_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 18–73 UPDATE_INS_PRODUCTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ip tv_t bl	OKL_IPT_PVT.IPTV_TBL_TYPE	Yes	Table of record type for view OKL_INS_PRODUCTS_V.

OUT Parameters

Table 18–74 UPDATE_INS_PRODUCTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_iptv_tbl	OKL_IPT_PVT.IPTV_TBL_TYPE	Yes	Table of record type for view OKL_INS_PRODUCTS_V.

UPDATE_INS_PRODUCTS

Procedure Specification

```
Program Unit UPDATE_INS_PRODUCTS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_iptv_rec              IN      OKL_IPT_PVT.IPTV_REC_TYPE,
    x_iptv_rec              OUT     OKL_IPT_PVT.IPTV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 18–75 UPDATE_INS_PRODUCTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 18–75 UPDATE_INS_PRODUCTS IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ip_tv_rec	OKL_IPT_PVT.IPTV_REC_TYPE	Yes	Record type for view OKL_INS_PRODUCTS_V.

OUT Parameters**Table 18–76 UPDATE_INS_PRODUCTS OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ip_tv_rec	OKL_IPT_PVT.IPTV_REC_TYPE	Yes	Record type for view OKL_INS_PRODUCTS_V.

18.4.5 VALIDATE_INS_PRODUCTS (Overloaded)

This overloaded procedure includes:

- [VALIDATE_INS_EXCLUSIONS](#) on page 18-37
- [VALIDATE_INS_EXCLUSIONS](#) on page 18-38

VALIDATE_INS_PRODUCTS**Procedure Specification**

Program Unit VALIDATE_INS_PRODUCTS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_ip_tv_tbl            IN      OKL_IPT_PVT.IPTV_TBL_TYPE
```

);

Current Version

1.0

IN Parameters

Table 18–77 VALIDATE_INS_PRODUCTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ip tv_t bl	OKL_IPT_PVT.IPTV_TBL_TYPE	Yes	Table of record type for view OKL_INS_PRODUCTS_V.

OUT Parameters

Table 18–78 VALIDATE_INS_PRODUCTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_INS_PRODUCTS

Procedure Specification

Program Unit VALIDATE_INS_PRODUCTS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
```

```

        p_iptv_rec                IN      OKL_IPT_PVT.IPTV_REC_TYPE
    );

```

Current Version

1.0

IN Parameters

Table 18–79 *VALIDATE_INS_PRODUCTS IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_iptv_rec	OKL_IPT_PVT.IPTV_REC_TYPE	Yes	Record type for view OKL_INS_PRODUCTS_V.

OUT Parameters

Table 18–80 *VALIDATE_INS_PRODUCTS OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

18.5 Package OKL_INS_RATES_PUB

This package contains the following procedures:

- [DELETE_INS_RATES \(Overloaded\)](#) on page 18-52
- [INSERT_INS_RATES \(Overloaded\)](#) on page 18-54
- [LOCK_INS_RATES \(Overloaded\)](#) on page 18-57
- [UPDATE_INS_RATES \(Overloaded\)](#) on page 18-59

- [VALIDATE_INS_RATES \(Overloaded\)](#) on page 18-62

18.5.1 DELETE_INS_RATES (Overloaded)

This overloaded procedure includes:

- [DELETE_INS_PRODUCTS](#) on page 18-40
- [DELETE_INS_PRODUCTS](#) on page 18-41

DELETE_INS_RATES

Procedure Specification

```
Program Unit DELETE_INS_RATES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_inrv_tbl             IN      OKL_INR_PVT.INRV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 18–81 DELETE_INS_RATES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_inrv_tbl	OKL_INR_PVT.INRV_TBL_TYPE	Yes	Table of record type for view OKL_INS_RATES_V.

OUT Parameters

Table 18–82 DELETE_INS_RATES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_INS_RATES

Procedure Specification

Program Unit DELETE_INS_RATES

```
(  
    p_api_version           IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_inrv_rec             IN      OKL_INR_PVT.INRV_REC_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 18–83 DELETE_INS_RATES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 18–83 DELETE_INS_RATES IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_inrv_rec	OKL_INR_PVT.INRV_REC_TYPE	Yes	Record type for view OKL_INS_RATES_V.

OUT Parameters

Table 18–84 DELETE_INS_RATES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

18.5.2 INSERT_INS_RATES (Overloaded)

This overloaded procedure includes:

- [INSERT_INS_PRODUCTS](#) on page 18-42
- [INSERT_INS_PRODUCTS](#) on page 18-43

INSERT_INS_RATES

Procedure Specification

```
Program Unit INSERT_INS_RATES
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_inrv_tbl              IN      OKL_INR_PVT.INRV_TBL_TYPE,
    x_inrv_tbl              OUT     OKL_INR_PVT.INRV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters**Table 18–85 INSERT_INS_RATES IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_inrv_tbl	OKL_INR_PVT.INRV_TBL_TYPE	Yes	Table of record type for view OKL_INS_RATES_V.

OUT Parameters**Table 18–86 INSERT_INS_RATES OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_inrv_tbl	OKL_INR_PVT.INRV_TBL_TYPE	Yes	Table of record type for view OKL_INS_RATES_V.

INSERT_INS_RATES**Procedure Specification**

Program Unit INSERT_INS_RATES

```
(  
  p_api_version          IN      NUMBER,  
  p_init_msg_list        IN      VARCHAR2,  
  x_return_status         OUT     VARCHAR2,  
  x_msg_count             OUT     NUMBER,
```

```
x_msg_data          OUT      VARCHAR2,
p_inrv_rec          IN       OKL_INR_PVT.INRV_REC_TYPE,
x_inrv_rec          OUT      OKL_INR_PVT.INRV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 18–87 INSERT_INS_RATES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_inrv_rec	OKL_INR_PVT.INRV_REC_TYPE	Yes	Record of record type for view OKL_INS_RATES_V.

OUT Parameters

Table 18–88 INSERT_INS_RATES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_inrv_rec	OKL_INR_PVT.INRV_REC_TYPE	Yes	Record type for view OKL_INS_RATES_V.

18.5.3 LOCK_INS_RATES (Overloaded)

This overloaded procedure includes:

- [LOCK_INS_PRODUCTS](#) on page 18-45
- [LOCK_INS_PRODUCTS](#) on page 18-46

LOCK_INS_RATES

Procedure Specification

```
Program Unit LOCK_INS_RATES
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_inrv_tbl              IN      OKL_INR_PVT.INRV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 18–89 LOCK_INS_RATES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_inrv_tbl	OKL_INR_PVT.INRV_TBL_TYPE	Yes	Table of record type for view OKL_INS_RATES_V.

OUT Parameters

Table 18–90 LOCK_INS_RATES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_INS_RATES

Procedure Specification

```
Program Unit LOCK_INS_RATES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_inrv_rec             IN      OKL_INR_PVT.INRV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 18–91 LOCK_INS_RATES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 18–91 LOCK_INS_RATES IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_inrv_rec	OKL_INR_PVT.INRV_REC_TYPE	Yes	Record type for view OKL_INS_RATES_V.

OUT Parameters**Table 18–92 LOCK_INS_RATES OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

18.5.4 UPDATE_INS_RATES (Overloaded)

This overloaded procedure includes:

- [UPDATE_INS_PRODUCTS](#) on page 18-47
- [UPDATE_INS_PRODUCTS](#) on page 18-48

UPDATE_INS_RATES**Procedure Specification**

Program Unit UPDATE_INS_RATES

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_inrv_tbl            IN      OKL_INR_PVT.INRV_TBL_TYPE,
  x_inrv_tbl            OUT     OKL_INR_PVT.INRV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 18–93 UPDATE_INS_RATES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_inrv_tbl	OKL_INR_PVT.INRV_TBL_TYPE	Yes	Table of record type for view OKL_INS_RATES_V.

OUT Parameters

Table 18–94 UPDATE_INS_RATES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_inrv_tbl	OKL_INR_PVT.INRV_TBL_TYPE	Yes	Table of record type for view OKL_INS_RATES_V.

UPDATE_INS_RATES

Procedure Specification

```
Program Unit UPDATE_INS_RATES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
```

```
x_msg_data          OUT      VARCHAR2,  
p_inrv_rec          IN       OKL_INR_PVT.INRV_REC_TYPE,  
x_inrv_rec          OUT      OKL_INR_PVT.INRV_REC_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 18–95 UPDATE_INS_RATES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_inrv_rec	OKL_INR_PVT.INRV_REC_TYPE	Yes	Record type for view OKL_INS_RATES_V.

OUT Parameters

Table 18–96 UPDATE_INS_RATES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_inrv_rec	OKL_INR_PVT.INRV_REC_TYPE	Yes	Record type for view OKL_INS_RATES_V.

18.5.5 VALIDATE_INS_RATES (Overloaded)

This overloaded procedure includes:

- [VALIDATE_INS_PRODUCTS](#) on page 18-49
- [VALIDATE_INS_PRODUCTS](#) on page 18-50

VALIDATE_INS_RATES

Procedure Specification

```
Program Unit VALIDATE_INS_RATES
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_inrv_tbl              IN      OKL_INR_PVT.INRV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 18–97 VALIDATE_INS_RATES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_inrv_tbl	OKL_INR_PVT.INRV_TBL_TYPE	Yes	Table of record type for view OKL_INS_RATES_V.

OUT Parameters

Table 18–98 *VALIDATE_INS_RATES OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_INS_RATES

Procedure Specification

Program Unit VALIDATE_INS_RATES

```
(  
    p_api_version           IN      NUMBER,  
    p_init_msg_list         IN      VARCHAR2,  
    x_return_status         OUT     VARCHAR2,  
    x_msg_count             OUT     NUMBER,  
    x_msg_data              OUT     VARCHAR2,  
    p_inrv_rec              IN      OKL_INR_PVT.INRV_REC_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 18–99 *VALIDATE_INS_RATES IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 18–99 VALIDATE_INS_RATES IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_inrv_rec	OKL_INR_PVT.INRV_REC_TYPE	Yes	Record type for view OKL_INS_RATES_V.

OUT Parameters

Table 18–100 VALIDATE_INS_RATES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Sales Quoting APIs

The following are public packages of Sales Quoting APIs in Oracle Lease Management:

- [Package OKL_ITM_CAT_RV_PRCES_PUB](#) on page 19-2
- [Package OKL_LS_RT_FCTR_ENTS_PUB](#) on page 19-14
- [Package OKL_LS_RT_FCTR_SETS_PUB](#) on page 19-26

For information about all table and record type parameters, see [Appendix A, "API Data Structure Specifications"](#).

19.1 Package OKL_ITM_CAT_RV_PRCs_PUB

This package contains the following procedures:

- [DELETE_ITM_CAT_RV_PRCs \(Overloaded\)](#) on page 19-2
- [INSERT_ITM_CAT_RV_PRCs \(Overloaded\)](#) on page 19-4
- [LOCK_ITM_CAT_RV_PRCs \(Overloaded\)](#) on page 19-7
- [UPDATE_ITM_CAT_RV_PRCs \(Overloaded\)](#) on page 19-9
- [VALIDATE_ITM_CAT_RV_PRCs \(Overloaded\)](#) on page 19-11

19.1.1 DELETE_ITM_CAT_RV_PRCs (Overloaded)

This overloaded procedure includes:

- [DELETE_ITM_CAT_RV_PRCs](#) on page 19-2
- [DELETE_ITM_CAT_RV_PRCs](#) on page 19-3

DELETE_ITM_CAT_RV_PRCs

Procedure Specification

```
Program Unit DELETE_ITM_CAT_RV_PRCs
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_icpv_tbl              IN      OKL_ICP_PVT.ICPV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 19–1 DELETE_ITM_CAT_RV_PRCs IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_icpv_tbl	OKL_ICP_PVT.ICPV_TBL_TYPE	Yes	Table type of OKL_ITM_CAT_RV_PRCs_V.

OUT Parameters

Table 19–2 DELETE_ITM_CAT_RV_PRCs OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_ITM_CAT_RV_PRCs

Procedure Specification

```
Program Unit DELETE_ITM_CAT_RV_PRCs
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_icpv_rec            IN      OKL_ICP_PVT.ICPV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 19–3 DELETE_ITM_CAT_RV_PRCs IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_icpv_rec	OKL_ICP_PVT.ICPV_REC_TYPE	Yes	Record type of OKL_ITM_CAT_RV_PRCs_V.

OUT Parameters

Table 19–4 DELETE_ITM_CAT_RV_PRCs OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

19.1.2 INSERT_ITM_CAT_RV_PRCs (Overloaded)

This overloaded procedure includes:

- [INSERT_ITM_CAT_RV_PRCs](#) on page 19-4
- [INSERT_ITM_CAT_RV_PRCs](#) on page 19-5

INSERT_ITM_CAT_RV_PRCs

Procedure Specification

```
Program Unit INSERT_ITM_CAT_RV_PRCs
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
```

```

    p_icpv_tbl          IN      OKL_ICP_PVT.ICPV_TBL_TYPE,
    x_icpv_tbl          OUT     OKL_ICP_PVT.ICPV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 19–5 INSERT_ITM_CAT_RV_PRCs IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_icpv_tbl	OKL_ICP_PVT.ICPV_TBL_TYPE	Yes	Table type of OKL_ITM_CAT_RV_PRCs_V.

OUT Parameters

Table 19–6 INSERT_ITM_CAT_RV_PRCs OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_icpv_tbl	OKL_ICP_PVT.ICPV_TBL_TYPE	Yes	Table type of OKL_ITM_CAT_RV_PRCs_V.

INSERT_ITM_CAT_RV_PRCs

Procedure Specification

```

Program Unit INSERT_ITM_CAT_RV_PRCs
(
```

```

p_api_version          IN      NUMBER,
p_init_msg_list        IN      VARCHAR2,
x_return_status        OUT     VARCHAR2,
x_msg_count            OUT     NUMBER,
x_msg_data             OUT     VARCHAR2,
p_icpv_rec             IN      OKL_ICP_PVT.ICPV_REC_TYPE,
x_icpv_rec             OUT     OKL_ICP_PVT.ICPV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 19–7 INSERT_ITM_CAT_RV_PRCES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_icpv_rec	OKL_ICP_PVT.ICPV_REC_TYPE	Yes	Record type of OKL_ITM_CAT_RV_PRCES_V.

OUT Parameters

Table 19–8 INSERT_ITM_CAT_RV_PRCES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_icpv_rec	OKL_ICP_PVT.ICPV_REC_TYPE	Yes	Record type of OKL_ITM_CAT_RV_PRCES_V.

19.1.3 LOCK_ITM_CAT_RV_PRCs (Overloaded)

This overloaded procedure includes:

- [LOCK_ITM_CAT_RV_PRCs](#) on page 19-7
- [LOCK_ITM_CAT_RV_PRCs](#) on page 19-8

LOCK_ITM_CAT_RV_PRCs

Procedure Specification

```
Program Unit LOCK_ITM_CAT_RV_PRCs
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_icpv_tbl              IN      OKL_ICP_PVT.ICPV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 19–9 LOCK_ITM_CAT_RV_PRCs IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_icpv_tbl	OKL_ICP_PVT.ICPV_TBL_TYPE	Yes	Table type of OKL_ITM_CAT_RV_PRCs_V.

OUT Parameters

Table 19-10 LOCK_ITM_CAT_RV_PRCs OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_ITM_CAT_RV_PRCs

Procedure Specification

```
Program Unit LOCK_ITM_CAT_RV_PRCs
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_icpv_rec              IN      OKL_ICP_PVT.ICPV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 19-11 LOCK_ITM_CAT_RV_PRCs IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_icpv_rec	OKL_ICP_PVT.ICPV_REC_TYPE	Yes	Record type of OKL_ITM_CAT_RV_PRCs_V.

OUT Parameters

Table 19–12 LOCK_ITM_CAT_RV_PRCs OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

19.1.4 UPDATE_ITM_CAT_RV_PRCs (Overloaded)

This overloaded procedure includes:

- [UPDATE_ITM_CAT_RV_PRCs](#) on page 19-9
- [UPDATE_ITM_CAT_RV_PRCs](#) on page 19-10

UPDATE_ITM_CAT_RV_PRCs

Procedure Specification

```
Program Unit UPDATE_ITM_CAT_RV_PRCs
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_icpv_tbl             IN      OKL_ICP_PVT.ICPV_TBL_TYPE,
  x_icpv_tbl             OUT     OKL_ICP_PVT.ICPV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 19–13 UPDATE_ITM_CAT_RV_PRCs IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_icpv_tbl	OKL_ICP_PVT.ICPV_TBL_TYPE	Yes	Table type of OKL_ITM_CAT_RV_PRCs_V.

OUT Parameters

Table 19–14 UPDATE_ITM_CAT_RV_PRCs OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_icpv_tbl	OKL_ICP_PVT.ICPV_TBL_TYPE	Yes	Table type of OKL_ITM_CAT_RV_PRCs_V.

UPDATE_ITM_CAT_RV_PRCs

Procedure Specification

```
Program Unit UPDATE_ITM_CAT_RV_PRCs
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_icpv_rec             IN      OKL_ICP_PVT.ICPV_REC_TYPE,
  x_icpv_rec             OUT     OKL_ICP_PVT.ICPV_REC_TYPE
);
```

Current Version

1.0

IN Parameters**Table 19–15 UPDATE_ITM_CAT_RV_PRCs IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_icpv_rec	OKL_ICP_PVT.ICPV_REC_TYPE	Yes	Record type of OKL_ITM_CAT_RV_PRCs_V.

OUT Parameters**Table 19–16 UPDATE_ITM_CAT_RV_PRCs OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_icpv_rec	OKL_ICP_PVT.ICPV_REC_TYPE	Yes	Record type of OKL_ITM_CAT_RV_PRCs_V.

19.1.5 VALIDATE_ITM_CAT_RV_PRCs (Overloaded)

This overloaded procedure includes:

- [VALIDATE_ITM_CAT_RV_PRCs](#) on page 19-12
- [VALIDATE_ITM_CAT_RV_PRCs](#) on page 19-13

VALIDATE_ITM_CAT_RV_PRCs

Procedure Specification

```
Program Unit VALIDATE_ITM_CAT_RV_PRCs
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_icpv_tbl            IN      OKL_ICP_PVT.ICPV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 19-17 VALIDATE_ITM_CAT_RV_PRCs IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_icpv_tbl	OKL_ICP_PVT.ICPV_TBL_TYPE	Yes	Table type of OKL_ITM_CAT_RV_PRCs_V.

OUT Parameters

Table 19-18 VALIDATE_ITM_CAT_RV_PRCs OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_ITM_CAT_RV_PRCs

Procedure Specification

```
Program Unit VALIDATE_ITM_CAT_RV_PRCs
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_icpv_rec             IN      OKL_ICP_PVT.ICPV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 19–19 VALIDATE_ITM_CAT_RV_PRCs IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_icpv_rec	OKL_ICP_PVT.ICPV_REC_TYPE	Yes	Record type of OKL_ITM_CAT_RV_PRCs_V.

OUT Parameters

Table 19–20 VALIDATE_ITM_CAT_RV_PRCs OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

19.2 Package OKL_LS_RT_FCTR_ENTS_PUB

This package contains the following procedures:

- [DELETE_LS_RT_FCTR_ENTS \(Overloaded\)](#) on page 19-14
- [INSERT_LS_RT_FCTR_ENTS \(Overloaded\)](#) on page 19-16
- [LOCK_LS_RT_FCTR_ENTS \(Overloaded\)](#) on page 19-19
- [UPDATE_LS_RT_FCTR_ENTS \(Overloaded\)](#) on page 19-21
- [VALIDATE_LS_RT_FCTR_ENTS \(Overloaded\)](#) on page 19-24

19.2.1 DELETE_LS_RT_FCTR_ENTS (Overloaded)

This overloaded procedure includes:

- [DELETE_LS_RT_FCTR_ENTS](#) on page 19-14
- [DELETE_LS_RT_FCTR_ENTS](#) on page 19-15

DELETE_LS_RT_FCTR_ENTS

Procedure Specification

```
Program Unit DELETE_LS_RT_FCTR_ENTS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_lrfv_tbl              IN      OKL_LRF_PVT.LRFV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 19–21 DELETE_LS_RT_FCTR_ENTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_lrfv_tbl	OKL_LRF_PVT.LRFV_TBL_TYPE	Yes	Table type of OKL_LS_RT_FCTR_ENTS_V.

OUT Parameters

Table 19–22 DELETE_LS_RT_FCTR_ENTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_LS_RT_FCTR_ENTS

Procedure Specification

```
Program Unit DELETE_LS_RT_FCTR_ENTS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_lrfv_rec             IN      OKL_LRF_PVT.LRFV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 19–23 DELETE_LS_RT_FCTR_ENTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_lrfv_rec	OKL_LRF_PVT.LRFV_REC_TYPE	Yes	Record type of OKL_LS_RT_FCTR_ENTS_V.

OUT Parameters

Table 19–24 DELETE_LS_RT_FCTR_ENTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

19.2.2 INSERT_LS_RT_FCTR_ENTS (Overloaded)

This overloaded procedure includes:

- [INSERT_LS_RT_FCTR_ENTS](#) on page 19-16
- [INSERT_LS_RT_FCTR_ENTS](#) on page 19-18

INSERT_LS_RT_FCTR_ENTS

Procedure Specification

Program Unit INSERT_LS_RT_FCTR_ENTS
(


```
p_api_version          IN      NUMBER,
p_init_msg_list        IN      VARCHAR2,
x_return_status        OUT     VARCHAR2,
x_msg_count            OUT     NUMBER,
x_msg_data             OUT     VARCHAR2,
p_lrfv_tbl             IN      OKL_LRF_PVT.LRFV_TBL_TYPE,
x_lrfv_tbl             OUT     OKL_LRF_PVT.LRFV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 19–25 INSERT_LS_RT_FCTR_ENTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_lrfv_tbl	OKL_LRF_PVT.LRFV_TBL_TYPE	Yes	Table type of OKL_LS_RT_FCTR_ENTS_V.

OUT Parameters

Table 19–26 INSERT_LS_RT_FCTR_ENTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_lrfv_tbl	OKL_LRF_PVT.LRFV_TBL_TYPE	Yes	Table type of OKL_LS_RT_FCTR_ENTS_V.

INSERT_LS_RT_FCTR_ENTS

Procedure Specification

```
Program Unit INSERT_LS_RT_FCTR_ENTS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_lrfv_rec             IN      OKL_LRF_PVT.LRFV_REC_TYPE,
    x_lrfv_rec             OUT     OKL_LRF_PVT.LRFV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 19-27 INSERT_LS_RT_FCTR_ENTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_lrfv_rec	OKL_LRF_PVT.LRFV_REC_TYPE	Yes	Record type of OKL_LS_RT_FCTR_ENTS_V.

OUT Parameters

Table 19-28 INSERT_LS_RT_FCTR_ENTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 19–28 INSERT_LS_RT_FCTR_ENTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_lrfv_rec	OKL_LRF_PVT.LRFV_REC_TYPE	Yes	Record type of OKL_LS_RT_FCTR_ENTS_V.

19.2.3 LOCK_LS_RT_FCTR_ENTS (Overloaded)

This overloaded procedure includes:

- [LOCK_LS_RT_FCTR_ENTS](#) on page 19-19
- [LOCK_LS_RT_FCTR_ENTS](#) on page 19-20

LOCK_LS_RT_FCTR_ENTS

Procedure Specification

```
Program Unit LOCK_LS_RT_FCTR_ENTS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_lrfv_tbl             IN      OKL_LRF_PVT.LRFV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 19–29 LOCK_LS_RT_FCTR_ENTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 19–29 LOCK_LS_RT_FCTR_ENTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_lrfv_tbl	OKL_LRF_PVT.LRFV_TBL_TYPE	Yes	Table type of OKL_LS_RT_FCTR_ENTS_V.

OUT Parameters

Table 19–30 LOCK_LS_RT_FCTR_ENTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_LS_RT_FCTR_ENTS

Procedure Specification

```
Program Unit LOCK_LS_RT_FCTR_ENTS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_lrfv_rec              IN      OKL_LRF_PVT.LRFV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 19-31 LOCK_LS_RT_FCTR_ENTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_lrfv_rec	OKL_LRF_PVT.LRFV_REC_TYPE	Yes	Record type of OKL_LS_RT_FCTR_ENTS_V.

OUT Parameters

Table 19-32 LOCK_LS_RT_FCTR_ENTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

19.2.4 UPDATE_LS_RT_FCTR_ENTS (Overloaded)

This overloaded procedure includes:

- [UPDATE_LS_RT_FCTR_ENTS](#) on page 19-21
- [UPDATE_LS_RT_FCTR_ENTS](#) on page 19-23

UPDATE_LS_RT_FCTR_ENTS

Procedure Specification

```
Program Unit UPDATE_LS_RT_FCTR_ENTS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
```

```
x_msg_count          OUT      NUMBER,
x_msg_data           OUT      VARCHAR2,
p_lrfv_tbl           IN       OKL_LRF_PVT.LRFV_TBL_TYPE,
x_lrfv_tbl           OUT      OKL_LRF_PVT.LRFV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 19-33 UPDATE_LS_RT_FCTR_ENTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_lrfv_tbl	OKL_LRF_PVT.LRFV_TBL_TYPE	Yes	Table type of OKL_LS_RT_FCTR_ENTS_V.

OUT Parameters

Table 19-34 UPDATE_LS_RT_FCTR_ENTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_lrfv_tbl	OKL_LRF_PVT.LRFV_TBL_TYPE	Yes	Table type of OKL_LS_RT_FCTR_ENTS_V.

UPDATE_LS_RT_FCTR_ENTS

Procedure Specification

```
Program Unit UPDATE_LS_RT_FCTR_ENTS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_lrfv_rec             IN      OKL_LRF_PVT.LRFV_REC_TYPE,
    x_lrfv_rec             OUT     OKL_LRF_PVT.LRFV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 19–35 UPDATE_LS_RT_FCTR_ENTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_lrfv_rec	OKL_LRF_PVT.LRFV_REC_TYPE	Yes	Record type of OKL_LS_RT_FCTR_ENTS_V.

OUT Parameters

Table 19–36 UPDATE_LS_RT_FCTR_ENTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 19–36 UPDATE_LS_RT_FCTR_ENTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_lrfv_rec	OKL_LRF_PVT.LRFV_REC_TYPE	Yes	Record type of OKL_LS_RT_FCTR_ENTS_V.

19.2.5 VALIDATE_LS_RT_FCTR_ENTS (Overloaded)

This overloaded procedure includes:

- [VALIDATE_LS_RT_FCTR_ENTS](#) on page 19-24
- [VALIDATE_LS_RT_FCTR_ENTS](#) on page 19-25

VALIDATE_LS_RT_FCTR_ENTS

Procedure Specification

```
Program Unit VALIDATE_LS_RT_FCTR_ENTS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_lrfv_tbl             IN      OKL_LRF_PVT.LRFV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 19–37 VALIDATE_LS_RT_FCTR_ENTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 19-37 VALIDATE_LS_RT_FCTR_ENTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_lrfv_tbl	OKL_LRF_PVT.LRFV_TBL_TYPE	Yes	Table type of OKL_LS_RT_FCTR_ENTS_V.

OUT Parameters

Table 19-38 VALIDATE_LS_RT_FCTR_ENTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_LS_RT_FCTR_ENTS

Procedure Specification

```
Program Unit VALIDATE_LS_RT_FCTR_ENTS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_lrfv_rec              IN      OKL_LRF_PVT.LRFV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 19–39 *VALIDATE_LS_RT_FCTR_ENTS IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_lrfv_rec	OKL_LRF_PVT.LRFV_REC_TYPE	Yes	Record type of OKL_LS_RT_FCTR_ENTS_V.

OUT Parameters

Table 19–40 *VALIDATE_LS_RT_FCTR_ENTS OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

19.3 Package OKL_LS_RT_FCTR_SETS_PUB

This package contains the following procedures:

- [DELETE_LS_RT_FCTR_SETS \(Overloaded\)](#) on page 19-27
- [INSERT_LS_RT_FCTR_SETS \(Overloaded\)](#) on page 19-29
- [LOCK_LS_RT_FCTR_SETS \(Overloaded\)](#) on page 19-32
- [UPDATE_LS_RT_FCTR_SETS \(Overloaded\)](#) on page 19-34
- [VALIDATE_LS_RT_FCTR_SETS \(Overloaded\)](#) on page 19-37

19.3.1 DELETE_LS_RT_FCTR_SETS (Overloaded)

This overloaded procedure includes:

- [DELETE_LS_RT_FCTR_SETS](#) on page 19-27
- [DELETE_LS_RT_FCTR_SETS](#) on page 19-28

DELETE_LS_RT_FCTR_SETS

Procedure Specification

```
Program Unit DELETE_LS_RT_FCTR_SETS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_lrtv_tbl              IN      OKL_LRT_PVT.LRTV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 19-41 DELETE_LS_RT_FCTR_SETS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_lrtv_tbl	OKL_LRT_PVT.LRTV_TBL_TYPE	Yes	Table type of OKL_LS_RT_FCTR_SETS_V.

OUT Parameters

Table 19-42 DELETE_LS_RT_FCTR_SETS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_LS_RT_FCTR_SETS

Procedure Specification

```
Program Unit DELETE_LS_RT_FCTR_SETS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_lrtv_rec              IN      OKL_LRT_PVT.LRTV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 19-43 DELETE_LS_RT_FCTR_SETS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 19–43 DELETE_LS_RT_FCTR_SETS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_lrtv_rec	OKL_LRT_PVT.LRTV_REC_TYPE	Yes	Record type of OKL_LS_RT_FCTR_SETS_V.

OUT Parameters

Table 19–44 DELETE_LS_RT_FCTR_SETS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

19.3.2 INSERT_LS_RT_FCTR_SETS (Overloaded)

This overloaded procedure includes:

- [INSERT_LS_RT_FCTR_SETS](#) on page 19-29
- [INSERT_LS_RT_FCTR_SETS](#) on page 19-30

INSERT_LS_RT_FCTR_SETS

Procedure Specification

```
Program Unit INSERT_LS_RT_FCTR_SETS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_lrtv_tbl            IN      OKL_LRT_PVT.LRTV_TBL_TYPE,
  x_lrtv_tbl            OUT     OKL_LRT_PVT.LRTV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 19–45 INSERT_LS_RT_FCTR_SETS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_lrtv_tbl	OKL_LRT_PVT.LRTV_TBL_TYPE	Yes	Table type of OKL_LS_RT_FCTR_SETS_V.

OUT Parameters

Table 19–46 INSERT_LS_RT_FCTR_SETS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_lrtv_tbl	OKL_LRT_PVT.LRTV_TBL_TYPE	Yes	Table type of OKL_LS_RT_FCTR_SETS_V.

INSERT_LS_RT_FCTR_SETS

Procedure Specification

```
Program Unit INSERT_LS_RT_FCTR_SETS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
```

```
x_msg_data          OUT      VARCHAR2 ,
p_lrtv_rec          IN       OKL_LRT_PVT.LRTV_REC_TYPE,
x_lrtv_rec          OUT      OKL_LRT_PVT.LRTV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 19–47 INSERT_LS_RT_FCTR_SETS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_lrtv_rec	OKL_LRT_PVT.LRTV_REC_TYPE	Yes	Record type of OKL_LS_RT_FCTR_SETS_V.

OUT Parameters

Table 19–48 INSERT_LS_RT_FCTR_SETS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_lrtv_rec	OKL_LRT_PVT.LRTV_REC_TYPE	Yes	Record type of OKL_LS_RT_FCTR_SETS_V.

19.3.3 LOCK_LS_RT_FCTR_SETS (Overloaded)

This overloaded procedure includes:

- [LOCK_LS_RT_FCTR_SETS](#) on page 19-32
- [LOCK_LS_RT_FCTR_SETS](#) on page 19-33

LOCK_LS_RT_FCTR_SETS

Procedure Specification

```
Program Unit LOCK_LS_RT_FCTR_SETS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_lrtv_tbl              IN      OKL_LRT_PVT.LRTV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 19-49 LOCK_LS_RT_FCTR_SETS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_lrtv_tbl	OKL_LRT_PVT.LRTV_TBL_TYPE	Yes	Table type of OKL_LS_RT_FCTR_SETS_V.

OUT Parameters

Table 19–50 LOCK_LS_RT_FCTR_SETS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_LS_RT_FCTR_SETS

Procedure Specification

```
Program Unit LOCK_LS_RT_FCTR_SETS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_lrtv_rec              IN      OKL_LRT_PVT.LRTV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 19–51 LOCK_LS_RT_FCTR_SETS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 19–51 LOCK_LS_RT_FCTR_SETS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_lrtv_rec	OKL_LRT_PVT.LRTV_REC_TYPE	Yes	Record type of OKL_LS_RT_FCTR_SETS_V.

OUT Parameters

Table 19–52 LOCK_LS_RT_FCTR_SETS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

19.3.4 UPDATE_LS_RT_FCTR_SETS (Overloaded)

This overloaded procedure includes:

- [UPDATE_LS_RT_FCTR_SETS](#) on page 19-34
- [UPDATE_LS_RT_FCTR_SETS](#) on page 19-35

UPDATE_LS_RT_FCTR_SETS

Procedure Specification

```
Program Unit UPDATE_LS_RT_FCTR_SETS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_lrtv_tbl             IN      OKL_LRT_PVT.LRTV_TBL_TYPE,
  x_lrtv_tbl             OUT     OKL_LRT_PVT.LRTV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 19–53 UPDATE_LS_RT_FCTR_SETS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_lrtv_tbl	OKL_LRT_PVT.LRTV_TBL_TYPE	Yes	Table type of OKL_LS_RT_FCTR_SETS_V.

OUT Parameters

Table 19–54 UPDATE_LS_RT_FCTR_SETS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_lrtv_tbl	OKL_LRT_PVT.LRTV_TBL_TYPE	Yes	Table type of OKL_LS_RT_FCTR_SETS_V.

UPDATE_LS_RT_FCTR_SETS

Procedure Specification

```
Program Unit UPDATE_LS_RT_FCTR_SETS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
```

```
x_msg_data          OUT      VARCHAR2,
p_lrtv_rec          IN        OKL_LRT_PVT.LRTV_REC_TYPE,
x_lrtv_rec          OUT      OKL_LRT_PVT.LRTV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 19–55 UPDATE_LS_RT_FCTR_SETS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_lrtv_rec	OKL_LRT_PVT.LRTV_REC_TYPE	Yes	Record type of OKL_LS_RT_FCTR_SETS_V.

OUT Parameters

Table 19–56 UPDATE_LS_RT_FCTR_SETS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_lrtv_rec	OKL_LRT_PVT.LRTV_REC_TYPE	Yes	Record type of OKL_LS_RT_FCTR_SETS_V.

19.3.5 VALIDATE_LS_RT_FCTR_SETS (Overloaded)

This overloaded procedure includes:

- [VALIDATE_LS_RT_FCTR_SETS](#) on page 19-37
- [VALIDATE_LS_RT_FCTR_SETS](#) on page 19-38

VALIDATE_LS_RT_FCTR_SETS

Procedure Specification

```
Program Unit VALIDATE_LS_RT_FCTR_SETS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_lrtv_tbl              IN      OKL_LRT_PVT.LRTV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 19-57 *VALIDATE_LS_RT_FCTR_SETS IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_lrtv_tbl	OKL_LRT_PVT.LRTV_TBL_TYPE	Yes	Table type of OKL_LS_RT_FCTR_SETS_V.

OUT Parameters

Table 19-58 VALIDATE_LS_RT_FCTR_SETS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_LS_RT_FCTR_SETS

Procedure Specification

```
Program Unit VALIDATE_LS_RT_FCTR_SETS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_lrtv_rec              IN      OKL_LRT_PVT.LRTV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 19-59 VALIDATE_LS_RT_FCTR_SETS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 19–59 VALIDATE_LS_RT_FCTR_SETS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_lrtv_rec	OKL_LRT_PVT.LRTV_REC_TYPE	Yes	Record type of OKL_LS_RT_FCTR_SETS_V.

OUT Parameters

Table 19–60 VALIDATE_LS_RT_FCTR_SETS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Part III

Key Business Flow API Catalog

The Oracle Lease Management Key Business Flow API Catalog contains the following chapters:

- [Chapter 20, "Inquiry to Resolution APIs"](#)
- [Chapter 21, "Contract Authoring APIs"](#)
- [Chapter 22, "Invoice to Receipt APIs"](#)
- [Chapter 23, "Quote to Termination APIs"](#)
- [Chapter 24, "Asset Return to Disposal APIs"](#)
- [Chapter 25, "Journalize Accounting Entry APIs"](#)
- [Chapter 26, "Accounting Period Open to Period Close APIs"](#)

For information about all table and record type parameters, see [Appendix A, "API Data Structure Specifications"](#).

Inquiry to Resolution APIs

The following are public packages of Inquiry to Resolution APIs in Oracle Lease Management:

- [Package OKL_BLK_AST_UPD_PUB](#) on page 20-2
- [Package OKL_CS_CREATE_QUOTE_PUB](#) on page 20-3
- [Package OKL_CS_LEASE_RENEWAL_PUB](#) on page 20-5
- [Package OKL_CS_TRANSACTIONS_PUB](#) on page 20-9
- [Package OKL_EQUIPMENT_EXCHANGE_PUB](#) on page 20-16
- [Package OKL_FULFILLMENT_PUB](#) on page 20-25
- [Package OKL_PROCESS_TMPLTS_PUB](#) on page 20-27
- [Package OKL_PROPERTY_TAX_PUB](#) on page 20-40
- [Package OKL_SERVICE_FEES_PUB](#) on page 20-52
- [Package OKL_TRX_REQUESTS_PUB](#) on page 20-65
- [Package OKL_INS_QUOTE_PUB](#) on page 20-78
- [Package OKL_INSURANCE_POLICIES_PUB](#) on page 20-89
- [Package OKL_INS_CLAIMS_PUB](#) on page 20-96
- [Package OKL_INS_CLAIM_ASSET_PUB](#) on page 20-108
- [Package OKL_INS_POLICIES_PUB](#) on page 20-111

For information about all table and record type parameters, see [Appendix A, "API Data Structure Specifications"](#).

20.1 Package OKL_BLK_AST_UPD_PUB

This package contains the following procedure:

- [UPDATE_LOCATION](#) on page 20-2

20.1.1 UPDATE_LOCATION

Procedure Specification

```
Procedure UPDATE_LOCATION
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  p_parent_line_id        IN      NUMBER,
  p_loc_id                IN      NUMBER,
  p_party_site_id         IN      NUMBER,
  p_newsite_id1           IN      NUMBER,
  p_newsite_id2           IN      VARCHAR2,
  p_oldsite_id1           IN      NUMBER,
  p_oldsite_id2           IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 20–1 UPDATE_LOCATION IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_parent_line_id	NUMBER	Yes	Line ID of the asset to modify.
p_loc_id	NUMBER	Yes	Asset Location ID.

Table 20–1 UPDATE_LOCATION IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_party_site_id	NUMBER	Yes	Party site ID.
p_newsite_id1	NUMBER	Yes	New site ID1 for bulk asset updating.
p_newsite_id2	VARCHAR2	Yes	New site ID2 for bulk asset updating.
p_oldsite_id1	NUMBER	Yes	Old site ID1 for bulk asset updating.
p_oldsite_id2	VARCHAR2	Yes	Old site ID2 for bulk asset updating.

OUT Parameters

Table 20–2 UPDATE_LOCATION OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.2 Package OKL_CS_CREATE_QUOTE_PUB

This package contains the following procedure:

- [CREATE_TERMINATE_QUOTE](#) on page 20-3

20.2.1 CREATE_TERMINATE_QUOTE

Procedure Specification

```

Procedure CREATE_TERMINATE_QUOTE
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,

```

```
x_msg_count          OUT      NUMBER,
x_msg_data           OUT      VARCHAR2,
p_quot_tbl           IN       OKL_QTE_PVT.QTEV_TBL_TYPE,
p_assn_tbl           IN       OKL_AM_CREATE_QUOTE_PVT.ASSN_TBL_TYPE,
x_quot_tbl           OUT      OKL_QTE_PVT.QTEV_TBL_TYPE,
x_tqlv_tbl           OUT      OKL_TQL_PVT.TQLV_TBL_TYPE,
x_assn_tbl           OUT      OKL_AM_CREATE_QUOTE_PVT.ASSN_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–3 CREATE_TERMINATE_QUOTE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_quot_tbl	OKL_QTE_PVT.QTEV_TBL_TYPE	Yes	Table type for view OKL_TRX_QUOTES_V.
p_assn_tbl	OKL_AM_CREATE_QUOTE_PVT.ASSN_TBL_TYPE	Yes	Table type for view OKL_AM_ASSETS_V.

OUT Parameters

Table 20–4 CREATE_TERMINATE_QUOTE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Table 20–4 CREATE_TERMINATE_QUOTE OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_quot_tbl	OKL_QTE_PVT.QTEV_TBL_TYPE	Yes	Table type for view OKL_TRX_QUOTES_V.
x_tqlv_tbl	OKL_TQL_PVT.TQLV_TBL_TYPE	Yes	Table type for view OKL_TXL_QUOTE_LINES_V.
x_assn_tbl	OKL_AM_CREATE_QUOTE_PVT.ASSN_TBL_TYPE	Yes	Table type for view OKL_AM_ASSETS_UV.

20.3 Package OKL_CS_LEASE_RENEWAL_PUB

This package contains the following procedures:

- [CALCULATE](#) on page 20-5
- [CREATE_WORKING_COPY](#) on page 20-6
- [GET_CURRENT_LEASE_VALUES](#) on page 20-7
- [UPDATE_LRNW_REQUEST](#) on page 20-8

20.3.1 CALCULATE

Procedure Specification

Procedure CALCULATE

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_trqv_tbl            IN      OKL_TRQ_PVT.TRQV_TBL_TYPE,  
    x_trqv_tbl            OUT     OKL_TRQ_PVT.TRQV_TBL_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 20–5 *CALCULATE IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_trqv_tbl	OKL_TRQ_PVT.TRQV_TBL_TYPE	Yes	Table type for view OKL_TRX_REQUESTS_V.

OUT Parameters

Table 20–6 *CALCULATE OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_trqv_tbl	OKL_TRQ_PVT.TRQV_TBL_TYPE	Yes	Table type for view OKL_TRX_REQUESTS_V.

20.3.2 CREATE_WORKING_COPY

Procedure Specification

Procedure CREATE_WORKING_COPY

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  p_commit               IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_chr_id               IN      NUMBER,
```



```
        x_chr_id                OUT        NUMBER
    );
```

Current Version

1.0

IN Parameters

Table 20-7 CREATE_WORKING_COPY IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_commit	VARCHAR2	Yes	Standard Parameter.
p_chr_id	NUMBER	Yes	Contract ID.

OUT Parameters

Table 20-8 CREATE_WORKING_COPY OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_chr_id	NUMBER	Yes	Contract ID.

20.3.3 GET_CURRENT_LEASE_VALUES

Procedure Specification

Procedure GET_CURRENT_LEASE_VALUES

```
(
    p_khr_id                IN        NUMBER
```

);

Current Version

1.0

IN Parameters

Table 20–9 GET_CURRENT_LEASE_VALUES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_khr_id	NUMBER	Yes	Contract ID.

OUT Parameters

GET_CURRENT_LEASE_VALUES has no OUT parameters.

20.3.4 UPDATE_LRNW_REQUEST

Procedure Specification

```
Procedure UPDATE_LRNW_REQUEST
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_trqv_rec              IN      OKL_TRQ_PVT.TRQV_REC_TYPE,
    x_trqv_rec              OUT     OKL_TRQ_PVT.TRQV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–10 UPDATE_LRNW_REQUEST IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_trqv_rec	OKL_TRQ_ PVT.TRQV_REC_ TYPE	Yes	Table type for view OKL_ TRX_REQUESTS_V.

OUT Parameters

Table 20–11 UPDATE_LRNW_REQUEST OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_trqv_rec	OKL_TRQ_ PVT.TRQV_REC_ TYPE	Yes	Table type for view OKL_ TRX_REQUESTS_V.

20.4 Package OKL_CS_TRANSACTIONS_PUB

This package contains the following procedures:

- [CHECK_PROCESS_TEMPLATE](#) on page 20-10
- [CREATE_SVF_INVOICE](#) on page 20-10
- [GET_CREDIT_MEMO_INFO](#) on page 20-12
- [GET_PVT_LABEL_EMAIL](#) on page 20-13
- [GET_SVF_INFO](#) on page 20-14
- [GET_TOTALS](#) on page 20-15

20.4.1 CHECK_PROCESS_TEMPLATE

Procedure Specification

Procedure CHECK_PROCESS_TEMPLATE

```
(
  p_ptm_code           IN      VARCHAR2,
  x_return_status      OUT     VARCHAR2,
  x_msg_count          OUT     NUMBER,
  x_msg_data           OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 20–12 CHECK_PROCESS_TEMPLATE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_ptm_code	VARCHAR2	Yes	Process template code.

OUT Parameters

Table 20–13 CHECK_PROCESS_TEMPLATE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.4.2 CREATE_SVF_INVOICE

Procedure Specification

Procedure CREATE_SVF_INVOICE

```
(
```

```

p_khr_id           IN      NUMBER,
p_sty_name         IN      VARCHAR2,
p_svf_code         IN      VARCHAR2,
p_svf_amount       IN      NUMBER,
p_svf_desc         IN      VARCHAR2,
p_syndication_code IN      VARCHAR2,
p_factoring_code   IN      VARCHAR2,
x_tai_id           OUT     NUMBER,
x_return_status    OUT     VARCHAR2,
x_msg_count        OUT     NUMBER,
x_msg_data         OUT     VARCHAR2
);

```

Current Version

1.0

IN Parameters

Table 20–14 CREATE_SVF_INVOICE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_khr_id	NUMBER	Yes	Contract ID.
p_sty_name	VARCHAR2	Yes	Stream name.
p_svf_code	VARCHAR2	Yes	Service fee code.
p_svf_amount	NUMBER	Yes	Service fee amount.
p_svf_desc	VARCHAR2	Yes	Service fee description.
p_syndication_code	VARCHAR2	Yes	Syndication code.
p_factoring_code	VARCHAR2	Yes	Factoring code.

OUT Parameters

Table 20–15 CREATE_SVF_INVOICE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_tai_id	NUMBER	Yes	Invoice ID.
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Table 20–15 CREATE_SVF_INVOICE OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.4.3 GET_CREDIT_MEMO_INFO

Procedure Specification

```
Procedure GET_CREDIT_MEMO_INFO
(
  p_khr_id           IN      NUMBER,
  p_tai_id           IN      NUMBER,
  x_trx_type         OUT     VARCHAR2,
  x_inv_num          OUT     NUMBER,
  x_trx_date         OUT     DATE,
  x_trx_amount       OUT     NUMBER,
  x_amnt_app         OUT     NUMBER,
  x_amnt_due         OUT     NUMBER,
  x_crd_amnt         OUT     NUMBER,
  x_return_status    OUT     VARCHAR2,
  x_msg_count        OUT     NUMBER,
  x_msg_data         OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 20–16 GET_CREDIT_MEMO_INFO IN Parameters

Parameter	Data Type	Required	Description and Validation
p_khr_id	NUMBER	Yes	Contract ID.
p_tai_id	NUMBER	Yes	Invoice ID.

OUT Parameters

Table 20–17 GET_CREDIT_MEMO_INFO OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_trx_type	VARCHAR2	Yes	Transaction type.
x_inv_num	NUMBER	Yes	Invoice number.
x_trx_date	DATE	Yes	Transaction date.
x_trx_amount	NUMBER	Yes	Transaction amount.
x_amnt_app	NUMBER	Yes	Applied amount.
x_amnt_due	NUMBER	Yes	Due amount.
x_crd_amnt	NUMBER	Yes	Credit amount.
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.4.4 GET_PVT_LABEL_EMAIL

Procedure Specification

Procedure GET_PVT_LABEL_EMAIL

```
(
    p_khr_id           IN      NUMBER,
    x_email            OUT     VARCHAR2,
    x_return_status    OUT     VARCHAR2,
    x_msg_count        OUT     NUMBER,
    x_msg_data         OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 20–18 GET_PVT_LABEL_EMAIL IN Parameters

Parameter	Data Type	Required	Description and Validation
p_khr_id	NUMBER	Yes	Contract ID.

OUT Parameters

Table 20–19 GET_PVT_LABEL_EMAIL OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_email	VARCHAR2	Yes	E-mail address for private label party.
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.4.5 GET_SVF_INFO

Procedure Specification

```
Procedure GET_SVF_INFO
(
    p_khr_id                IN      NUMBER,
    p_svf_code              IN      VARCHAR2,
    x_svf_info_rec          OUT     OKL_CS_TRANSACTIONS_PVT.SVF_INFO_REC,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters**Table 20–20 GET_SVF_INFO IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_khr_id	NUMBER	Yes	Contract ID.
p_svf_code	VARCHAR2	Yes	Service fee code.

OUT Parameters**Table 20–21 GET_SVF_INFO OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_svf_info_rec	OKL_CS_TRANSACTION_S_PVT.SVF_INFO_REC	Yes	Record type of OKL_SERVICE_FEES_V.
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.4.6 GET_TOTALS**Procedure Specification**

Procedure GET_TOTALS

```

(
  p_select          IN      VARCHAR2,
  p_from            IN      VARCHAR2,
  p_where           IN      VARCHAR2,
  x_inv_total       OUT     NUMBER,
  x_rec_total       OUT     NUMBER,
  x_due_total       OUT     NUMBER,
  x_row_count       OUT     NUMBER,
  x_return_status   OUT     VARCHAR2,
  x_msg_count       OUT     NUMBER,
  x_msg_data        OUT     VARCHAR2
);

```

Current Version

1.0

IN Parameters

Table 20–22 GET_TOTALS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_select	VARCHAR2	Yes	Select clause for getting total for invoices.
p_from	VARCHAR2	Yes	From clause for getting total for invoices.
p_where	VARCHAR2	Yes	Where clause for getting total for invoices.

OUT Parameters

Table 20–23 GET_TOTALS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_inv_total	NUMBER	Yes	Total invoice amount.
x_rec_total	NUMBER	Yes	Total receipt amount.
x_due_total	NUMBER	Yes	Total due amount.
x_row_count	NUMBER	Yes	Number of invoice lines.
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.5 Package OKL_EQUIPMENT_EXCHANGE_PUB

This package contains the following procedures:

- [EXCHANGE](#) on page 20-17
- [GET_EXCHANGE_TYPE](#) on page 20-18
- [GET_ITEM_REC](#) on page 20-18

- [GET_STATUS](#) on page 20-19
- [GET_TAL_REC](#) on page 20-20
- [GET_TAS_HDR_REC](#) on page 20-21
- [GET_VENDOR_NAME](#) on page 20-21
- [STORE_EXCHANGE_DETAILS](#) on page 20-22
- [UPDATE_SERIAL_NUMBER](#) on page 20-24

20.5.1 EXCHANGE

Procedure Specification

```
Procedure EXCHANGE
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    p_tas_id                IN      NUMBER,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 20–24 EXCHANGE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_tas_id	NUMBER	Yes	Transaction asset ID.

OUT Parameters

Table 20–25 EXCHANGE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.5.2 GET_EXCHANGE_TYPE

Procedure Specification

```
Procedure GET_EXCHANGE_TYPE
(
    p_tas_id                IN          NUMBER
);
```

Current Version

1.0

IN Parameters

Table 20–26 GET_EXCHANGE_TYPE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_tas_id	NUMBER	Yes	Transaction asset ID.

OUT Parameters

ET_EXCHANGE_TYPE has no OUT parameters.

20.5.3 GET_ITEM_REC

Procedure Specification

```
Procedure GET_ITEM_REC
(
```

```
p_itiv_tbl          IN      OKL_ITI_PVT.ITIV_TBL_TYPE,  
x_no_data_found     OUT     PL/SQL BOOLEAN  
);
```

Current Version

1.0

IN Parameters

Table 20–27 GET_ITEM_REC IN Parameters

Parameter	Data Type	Required	Description and Validation
p_itiv_tbl	OKL_ITI_PVT.ITIV_TBL_TYPE	Yes	Table type for view OKL_TXL_ITM_INSTS_V.

OUT Parameters

Table 20–28 GET_ITEM_REC OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_no_data_found	PL/SQL BOOLEAN	Yes	Variable to check for no data found.

20.5.4 GET_STATUS

Procedure Specification

```
Procedure GET_STATUS  
(  
    p_status_code          IN      VARCHAR2  
);
```

Current Version

1.0

IN Parameters

Table 20–29 GET_STATUS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_status_code	VARCHAR2	Yes	Status code.

OUT Parameters

GET_STATUS has no OUT parameters.

20.5.5 GET_TAL_REC

Procedure Specification

```
Procedure GET_TAL_REC
(
    p_talv_tbl           IN      OKL_TAL_PVT.TALV_TBL_TYPE,
    x_no_data_found      OUT    PL/SQL BOOLEAN
);
```

Current Version

1.0

IN Parameters

Table 20–30 GET_TAL_REC IN Parameters

Parameter	Data Type	Required	Description and Validation
p_talv_tbl	OKL_TAL_PVT.TALV_TBL_TYPE	Yes	Table type for view OKL_TXL_ASSETS_V.

OUT Parameters

Table 20–31 GET_TAL_REC OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_no_data_found	PL/SQL BOOLEAN	Yes	Variable to check for no data found.

20.5.6 GET_TAS_HDR_REC

Procedure Specification

```
Procedure GET_TAS_HDR_REC
(
    p_thpv_tbl          IN      OKL_TAS_PVT.TASV_TBL_TYPE,
    p_no_data_found     OUT     PL/SQL BOOLEAN
);
```

Current Version

1.0

IN Parameters

Table 20–32 GET_TAS_HDR_REC IN Parameters

Parameter	Data Type	Required	Description and Validation
p_thpv_tbl	OKL_TAS_PVT.TASV_TBL_TYPE	Yes	Table type for view OKL_TRX_ASSETS_V.

OUT Parameters

Table 20–33 GET_TAS_HDR_REC OUT Parameters

Parameter	Data Type	Required	Description and Validation
p_no_data_found	PL/SQL BOOLEAN	Yes	Variable to check for no data found.

20.5.7 GET_VENDOR_NAME

Procedure Specification

```
Procedure GET_VENDOR_NAME
(
    p_vendor_id          IN      VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 20–34 GET_VENDOR_NAME IN Parameters

Parameter	Data Type	Required	Description and Validation
p_vendor_id	VARCHAR2	Yes	Vendor ID.

OUT Parameters

GET_VENDOR_NAME has no OUT parameters.

20.5.8 STORE_EXCHANGE_DETAILS

Procedure Specification

Procedure STORE_EXCHANGE_DETAILS

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  p_thpv_tbl              IN      OKL_TAS_PVT.TASV_TBL_TYPE,
  p_old_tlpv_tbl          IN      OKL_TAL_PVT.TALV_TBL_TYPE,
  p_new_tlpv_tbl          IN      OKL_TAL_PVT.TALV_TBL_TYPE,
  p_old_iipv_tbl          IN      OKL_ITI_PVT.ITIV_TBL_TYPE,
  p_new_iipv_tbl          IN      OKL_ITI_PVT.ITIV_TBL_TYPE,
  x_thpv_tbl              OUT     OKL_TAS_PVT.TASV_TBL_TYPE,
  x_old_tlpv_tbl          OUT     OKL_TAL_PVT.TALV_TBL_TYPE,
  x_new_tlpv_tbl          OUT     OKL_TAL_PVT.TALV_TBL_TYPE,
  x_old_iipv_tbl          OUT     OKL_ITI_PVT.ITIV_TBL_TYPE,
  x_new_iipv_tbl          OUT     OKL_ITI_PVT.ITIV_TBL_TYPE,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 20–35 STORE_EXCHANGE_DETAILS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_thpv_tbl	OKL_TAS_ PVT.TASV_TBL_ TYPE	Yes	Table type for view OKL_ TRX_ASSETS_V.
p_old_tlpv_tbl	OKL_TAL_ PVT.TALV_TBL_ TYPE	Yes	Table type for view OKL_ TXL_ASSETS_V.
p_new_tlpv_tbl	OKL_TAL_ PVT.TALV_TBL_ TYPE	Yes	Table type for view OKL_ TXL_ASSETS_V.
p_old_iipv_tbl	OKL_ITI_PVT.ITIV_ TBL_TYPE	Yes	Table type for view OKL_ TXL_ITM_INSTS_V.
p_new_iipv_tbl	OKL_ITI_PVT.ITIV_ TBL_TYPE	Yes	Table type for view OKL_ TXL_ITM_INSTS_V.

OUT Parameters

Table 20–36 STORE_EXCHANGE_DETAILS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_thpv_tbl	OKL_TAS_ PVT.TASV_TBL_ TYPE	Yes	Table type for view OKL_ TRX_ASSETS_V.
x_old_tlpv_tbl	OKL_TAL_ PVT.TALV_TBL_ TYPE	Yes	Table type for view OKL_ TXL_ASSETS_V.
x_new_tlpv_tbl	OKL_TAL_ PVT.TALV_TBL_ TYPE	Yes	Table type for view OKL_ TXL_ASSETS_V.
x_old_iipv_tbl	OKL_ITI_PVT.ITIV_ TBL_TYPE	Yes	Table type for view OKL_ TXL_ITM_INSTS_V.

Table 20–36 STORE_EXCHANGE_DETAILS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_new_iipv_tbl	OKL_ITI_PVT.ITIV_TBL_TYPE	Yes	Table type for view OKL_TXL_ITM_INSTS_V.
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.5.9 UPDATE_SERIAL_NUMBER

Procedure Specification

```
Procedure UPDATE_SERIAL_NUMBER
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    p_instance_id           IN      NUMBER,
    p_instance_name         IN      VARCHAR2,
    p_serial_number         IN      VARCHAR2,
    p_inventory_item_id     IN      NUMBER,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 20–37 UPDATE_SERIAL_NUMBER IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 20–37 UPDATE_SERIAL_NUMBER IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_instance_id	NUMBER	Yes	Asset instance ID.
p_instance_name	VARCHAR2	Yes	Asset instance name.
p_serial_number	VARCHAR2	Yes	Asset serial number.
p_inventory_item_id	NUMBER	Yes	Inventory item ID.

OUT Parameters

Table 20–38 UPDATE_SERIAL_NUMBER OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.6 Package OKL_FULFILLMENT_PUB

This package contains the following procedure:

- [CREATE_FULFILLMENT](#) on page 20-25

20.6.1 CREATE_FULFILLMENT

Procedure Specification

Procedure CREATE_FULFILLMENT

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  p_agent_id             IN      NUMBER,
  p_server_id            IN      NUMBER,
  p_content_id           IN      NUMBER,
  p_from                 IN      VARCHAR2,
```

```
p_subject          IN      VARCHAR2 ,
p_email            IN      VARCHAR2 ,
p_bind_var         IN      JTF_FM_REQUEST_GRP.G_VARCHAR_TBL_TYPE,
p_bind_val         IN      JTF_FM_REQUEST_GRP.G_VARCHAR_TBL_TYPE,
p_bind_var_type    IN      JTF_FM_REQUEST_GRP.G_VARCHAR_TBL_TYPE,
p_commit           IN      VARCHAR2 ,
x_request_id       OUT     NUMBER,
x_return_status    OUT     VARCHAR2 ,
x_msg_count        OUT     NUMBER,
x_msg_data         OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 20–39 CREATE_FULFILLMENT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_agent_id	NUMBER	Yes	Fulfillment agent ID.
p_server_id	NUMBER	Yes	Fulfillment server ID.
p_content_id	NUMBER	Yes	Document content ID.
p_from	VARCHAR2	Yes	Sender's e-mail.
p_subject	VARCHAR2	Yes	E-mail subject.
p_email	VARCHAR2	Yes	E-mail header.
p_bind_var	JTF_FM_REQUEST_GRP.G_VARCHAR_TBL_TYPE	Yes	Bind variable for e-mail body derived from fulfillment templates.
p_bind_val	JTF_FM_REQUEST_GRP.G_VARCHAR_TBL_TYPE	Yes	Bind variable for e-mail body derived from fulfillment templates.

Table 20–39 CREATE_FULFILLMENT IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_bind_var_type	JTF_FM_REQUEST_GRP.G_VARCHAR_TBL_TYPE	Yes	Type of bind variable for e-mail body derived from fulfillment templates.
p_commit	VARCHAR2	Yes	Standard parameter.

OUT Parameters**Table 20–40 CREATE_FULFILLMENT OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_request_id	NUMBER	Yes	Fulfillment request ID.
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.7 Package OKL_PROCESS_TMPLTS_PUB

This package contains the following procedures:

- [DELETE_PROCESS_TMPLTS \(Overloaded\)](#) on page 20-27
- [INSERT_PROCESS_TMPLTS \(Overloaded\)](#) on page 20-30
- [LOCK_PROCESS_TMPLTS \(Overloaded\)](#) on page 20-32
- [UPDATE_PROCESS_TMPLTS \(Overloaded\)](#) on page 20-35
- [VALIDATE_PROCESS_TMPLTS \(Overloaded\)](#) on page 20-37

20.7.1 DELETE_PROCESS_TMPLTS (Overloaded)

This overloaded procedure includes:

- [DELETE_PROCESS_TMPLTS](#) on page 20-28
- [DELETE_PROCESS_TMPLTS](#) on page 20-29

DELETE_PROCESS_TMPLTS

Procedure Specification

```
Procedure DELETE_PROCESS_TMPLTS
(
    p_api_version          IN          NUMBER,
    p_init_msg_list        IN          VARCHAR2,
    x_return_status        OUT         VARCHAR2,
    x_msg_count            OUT         NUMBER,
    x_msg_data             OUT         VARCHAR2,
    p_ptmv_tbl             IN          OKL_PTM_PVT.PTMV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–41 DELETE_PROCESS_TMPLTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptmv_tbl	OKL_PTM_PVT.PTMV_TBL_TYPE	Yes	Table type for view OKL_PROCESS_TMPLTS_V.

OUT Parameters

Table 20–42 DELETE_PROCESS_TMPLTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 20–42 DELETE_PROCESS_TMPLTS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_PROCESS_TMPLTS

Procedure Specification

Procedure DELETE_PROCESS_TMPLTS

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_ptmv_rec             IN      OKL_PTM_PVT.PTMV_REC_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 20–43 DELETE_PROCESS_TMPLTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptmv_rec	OKL_PTM_PVT.PTMV_REC_TYPE	Yes	Table type for view OKL_PROCESS_TMPLTS_V.

OUT Parameters

Table 20–44 DELETE_PROCESS_TMPLTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.7.2 INSERT_PROCESS_TMPLTS (Overloaded)

This overloaded procedure includes:

- [INSERT_PROCESS_TMPLTS](#) on page 20-30
- [INSERT_PROCESS_TMPLTS](#) on page 20-31

INSERT_PROCESS_TMPLTS

Procedure Specification

```
Procedure INSERT_PROCESS_TMPLTS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_ptmv_tbl              IN      OKL_PTM_PVT.PTMV_TBL_TYPE,
    x_ptmv_tbl              OUT     OKL_PTM_PVT.PTMV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–45 INSERT_PROCESS_TMPLTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptmv_tbl	OKL_PTM_PVT.PTMV_TBL_TYPE	Yes	Table type for view OKL_PROCESS_TMPLTS_V.

OUT Parameters

Table 20–46 INSERT_PROCESS_TMPLTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ptmv_tbl	OKL_PTM_PVT.PTMV_TBL_TYPE	Yes	Table type for view OKL_PROCESS_TMPLTS_V.

INSERT_PROCESS_TMPLTS

Procedure Specification

Procedure INSERT_PROCESS_TMPLTS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_ptmv_rec             IN      OKL_PTM_PVT.PTMV_REC_TYPE,
  x_ptmv_rec             OUT     OKL_PTM_PVT.PTMV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–47 INSERT_PROCESS_TMPLTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptmv_rec	OKL_PTM_PVT.PTMV_REC_TYPE	Yes	Record type for view OKL_PROCESS_TMPLTS_V.

OUT Parameters

Table 20–48 INSERT_PROCESS_TMPLTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ptmv_rec	OKL_PTM_PVT.PTMV_REC_TYPE	Yes	Record type for view OKL_PROCESS_TMPLTS_V.

20.7.3 LOCK_PROCESS_TMPLTS (Overloaded)

This overloaded procedure includes:

- [LOCK_PROCESS_TMPLTS](#) on page 20-33
- [LOCK_PROCESS_TMPLTS](#) on page 20-34

LOCK_PROCESS_TMPLTS

Procedure Specification

Procedure LOCK_PROCESS_TMPLTS

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_ptmv_tbl            IN      OKL_PTM_PVT.PTMV_TBL_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 20–49 LOCK_PROCESS_TMPLTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptmv_tbl	OKL_PTM_PVT.PTMV_TBL_TYPE	Yes	Table type for view OKL_PROCESS_TMPLTS_V.

OUT Parameters

Table 20–50 LOCK_PROCESS_TMPLTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 20–50 LOCK_PROCESS_TMPLTS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_PROCESS_TMPLTS

Procedure Specification

```
Procedure LOCK_PROCESS_TMPLTS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_ptmv_rec             IN      OKL_PTM_PVT.PTMV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–51 LOCK_PROCESS_TMPLTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptmv_rec	OKL_PTM_PVT.PTMV_REC_TYPE	Yes	Record type for view OKL_PROCESS_TMPLTS_V.

OUT Parameters

Table 20–52 LOCK_PROCESS_TMPLTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.7.4 UPDATE_PROCESS_TMPLTS (Overloaded)

This overloaded procedure includes:

- [UPDATE_PROCESS_TMPLTS](#) on page 20-35
- [UPDATE_PROCESS_TMPLTS](#) on page 20-36

UPDATE_PROCESS_TMPLTS

Procedure Specification

Procedure UPDATE_PROCESS_TMPLTS

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_ptmv_tbl             IN      OKL_PTM_PVT.PTMV_TBL_TYPE,  
    x_ptmv_tbl             OUT     OKL_PTM_PVT.PTMV_TBL_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 20–53 UPDATE_PROCESS_TMPLTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptmv_tbl	OKL_PTM_PVT.PTMV_TBL_TYPE	Yes	Table type for view OKL_PROCESS_TMPLTS_V.

OUT Parameters

Table 20–54 UPDATE_PROCESS_TMPLTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ptmv_tbl	OKL_PTM_PVT.PTMV_TBL_TYPE	Yes	Table type for view OKL_PROCESS_TMPLTS_V.

UPDATE_PROCESS_TMPLTS

Procedure Specification

```
Procedure UPDATE_PROCESS_TMPLTS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_ptmv_rec            IN      OKL_PTM_PVT.PTMV_REC_TYPE,
  x_ptmv_rec            OUT     OKL_PTM_PVT.PTMV_REC_TYPE
);
```

Current Version

1.0

IN Parameters**Table 20–55 UPDATE_PROCESS_TMPLTS IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptmv_rec	OKL_PTM_ PVT.PTMV_REC_ TYPE	Yes	Record type for view OKL_ PROCESS_TMPLTS_V.

OUT Parameters**Table 20–56 UPDATE_PROCESS_TMPLTS OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ptmv_rec	OKL_PTM_ PVT.PTMV_REC_ TYPE	Yes	Record type for view OKL_ PROCESS_TMPLTS_V.

20.7.5 VALIDATE_PROCESS_TMPLTS (Overloaded)

This overloaded procedure includes:

- [VALIDATE_PROCESS_TMPLTS](#) on page 20-38
- [VALIDATE_PROCESS_TMPLTS](#) on page 20-39

VALIDATE_PROCESS_TMPLTS

Procedure Specification

```
Procedure VALIDATE_PROCESS_TMPLTS
(
    p_api_version          IN          NUMBER,
    p_init_msg_list        IN          VARCHAR2,
    x_return_status        OUT         VARCHAR2,
    x_msg_count            OUT         NUMBER,
    x_msg_data             OUT         VARCHAR2,
    p_ptmv_tbl             IN          OKL_PTM_PVT.PTMV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20-57 VALIDATE_PROCESS_TMPLTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptmv_tbl	OKL_PTM_PVT.PTMV_TBL_TYPE	Yes	Table type for view OKL_PROCESS_TMPLTS_V.

OUT Parameters

Table 20-58 VALIDATE_PROCESS_TMPLTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 20–58 VALIDATE_PROCESS_TMPLTS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_PROCESS_TMPLTS

Procedure Specification

Procedure VALIDATE_PROCESS_TMPLTS

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_ptmv_rec             IN      OKL_PTM_PVT.PTMV_REC_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 20–59 VALIDATE_PROCESS_TMPLTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptmv_rec	OKL_PTM_PVT.PTMV_REC_TYPE	Yes	Record type for view OKL_PROCESS_TMPLTS_V.

OUT Parameters

Table 20–60 VALIDATE_PROCESS_TMPLTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.8 Package OKL_PROPERTY_TAX_PUB

This package contains the following procedures:

- [DELETE_PROPERTY_TAX \(Overloaded\)](#) on page 20-40
- [INSERT_PROPERTY_TAX \(Overloaded\)](#) on page 20-42
- [LOCK_PROPERTY_TAX \(Overloaded\)](#) on page 20-45
- [UPDATE_PROPERTY_TAX \(Overloaded\)](#) on page 20-47
- [VALIDATE_PROPERTY_TAX \(Overloaded\)](#) on page 20-50.

20.8.1 DELETE_PROPERTY_TAX (Overloaded)

This overloaded procedure includes:

- [DELETE_PROPERTY_TAX](#) on page 20-40
- [DELETE_PROPERTY_TAX](#) on page 20-41

DELETE_PROPERTY_TAX

Procedure Specification

```
Procedure DELETE_PROPERTY_TAX
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
```

```
p_ptcv_tbl                IN      OKL_PTC_PVT.PTCV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–61 *DELETE_PROPERTY_TAX IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptcv_tbl	OKL_PTC_PVT.PTCV_TBL_TYPE	Yes	Table type for view OKL_PROPERTY_TAX_V.

OUT Parameters

Table 20–62 *DELETE_PROPERTY_TAX OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_PROPERTY_TAX

Procedure Specification

Procedure DELETE_PROPERTY_TAX

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
```

```
x_msg_count          OUT      NUMBER,
x_msg_data           OUT      VARCHAR2,
p_ptcv_rec           IN       OKL_PTC_PVT.PTCV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–63 DELETE_PROPERTY_TAX IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptcv_rec	OKL_PTC_PVT.PTCV_REC_TYPE	Yes	Record type for view OKL_PROPERTY_TAX_V.

OUT Parameters

Table 20–64 DELETE_PROPERTY_TAX OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.8.2 INSERT_PROPERTY_TAX (Overloaded)

This overloaded procedure includes:

- [INSERT_PROPERTY_TAX](#) on page 20-43
- [INSERT_PROPERTY_TAX](#) on page 20-44

INSERT_PROPERTY_TAX

Procedure Specification

Procedure INSERT_PROPERTY_TAX

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_ptcv_tbl             IN      OKL_PTC_PVT.PTCV_TBL_TYPE,  
    x_ptcv_tbl             OUT     OKL_PTC_PVT.PTCV_TBL_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 20–65 INSERT_PROPERTY_TAX IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptcv_tbl	OKL_PTC_PVT.PTCV_TBL_TYPE	Yes	Table type for view OKL_PROPERTY_TAX_V.

OUT Parameters

Table 20–66 INSERT_PROPERTY_TAX OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 20–66 INSERT_PROPERTY_TAX OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ptcv_tbl	OKL_PTC_PVT.PTCV_TBL_TYPE	Yes	Table type for view OKL_PROPERTY_TAX_V.

INSERT_PROPERTY_TAX

Procedure Specification

```
Procedure INSERT_PROPERTY_TAX
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_ptcv_rec              IN      OKL_PTC_PVT.PTCV_REC_TYPE,
    x_ptcv_rec              OUT     OKL_PTC_PVT.PTCV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–67 INSERT_PROPERTY_TAX IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptcv_rec	OKL_PTC_PVT.PTCV_REC_TYPE	Yes	Record type for view OKL_PROPERTY_TAX_V.

OUT Parameters

Table 20–68 INSERT_PROPERTY_TAX OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ptcv_rec	OKL_PTC_PVT.PTCV_REC_TYPE	Yes	Record type for view OKL_PROPERTY_TAX_V.

20.8.3 LOCK_PROPERTY_TAX (Overloaded)

This overloaded procedure includes:

- [LOCK_PROPERTY_TAX](#) on page 20-45
- [LOCK_PROPERTY_TAX](#) on page 20-46

LOCK_PROPERTY_TAX

Procedure Specification

Procedure LOCK_PROPERTY_TAX

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_ptcv_tbl             IN      OKL_PTC_PVT.PTCV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–69 LOCK_PROPERTY_TAX IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptcv_tbl	OKL_PTC_PVT.PTCV_TBL_TYPE	Yes	Table type for view OKL_PROPERTY_TAX_V.

OUT Parameters

Table 20–70 LOCK_PROPERTY_TAX OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_PROPERTY_TAX

Procedure Specification

```
Procedure LOCK_PROPERTY_TAX
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_ptcv_rec              IN      OKL_PTC_PVT.PTCV_REC_TYPE
);
```


Current Version

1.0

IN Parameters**Table 20–71 LOCK_PROPERTY_TAX IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptcv_rec	OKL_PTC_PVT.PTCV_REC_TYPE	Yes	Record type for view OKL_PROPERTY_TAX_V.

OUT Parameters**Table 20–72 LOCK_PROPERTY_TAX OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.8.4 UPDATE_PROPERTY_TAX (Overloaded)

This overloaded procedure includes:

- [UPDATE_PROPERTY_TAX](#) on page 20-47
- [UPDATE_PROPERTY_TAX](#) on page 20-49

UPDATE_PROPERTY_TAX

Procedure Specification

Procedure UPDATE_PROPERTY_TAX

(

```

p_api_version          IN      NUMBER,
p_init_msg_list        IN      VARCHAR2,
x_return_status        OUT     VARCHAR2,
x_msg_count            OUT     NUMBER,
x_msg_data             OUT     VARCHAR2,
p_ptcv_tbl             IN      OKL_PTC_PVT.PTCV_TBL_TYPE,
x_ptcv_tbl             OUT     OKL_PTC_PVT.PTCV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–73 UPDATE_PROPERTY_TAX IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptcv_tbl	OKL_PTC_PVT.PTCV_TBL_TYPE	Yes	Table type for view OKL_PROPERTY_TAX_V.

OUT Parameters

Table 20–74 UPDATE_PROPERTY_TAX OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ptcv_tbl	OKL_PTC_PVT.PTCV_TBL_TYPE	Yes	Table type for view OKL_PROPERTY_TAX_V.

UPDATE_PROPERTY_TAX

Procedure Specification

Procedure UPDATE_PROPERTY_TAX

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_ptcv_rec             IN      OKL_PTC_PVT.PTCV_REC_TYPE,  
    x_ptcv_rec             OUT     OKL_PTC_PVT.PTCV_REC_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 20–75 UPDATE_PROPERTY_TAX IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptcv_rec	OKL_PTC_PVT.PTCV_REC_TYPE	Yes	Record type for view OKL_PROPERTY_TAX_V.

OUT Parameters

Table 20–76 UPDATE_PROPERTY_TAX OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 20–76 UPDATE_PROPERTY_TAX OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ptcv_rec	OKL_PTC_PVT.PTCV_REC_TYPE	Yes	Record type for view OKL_PROPERTY_TAX_V.

20.8.5 VALIDATE_PROPERTY_TAX (Overloaded)

This overloaded procedure includes:

- [VALIDATE_PROPERTY_TAX](#) on page 20-50
- [VALIDATE_PROPERTY_TAX](#) on page 20-51

VALIDATE_PROPERTY_TAX

Procedure Specification

```
Procedure VALIDATE_PROPERTY_TAX
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_ptcv_tbl              IN      OKL_PTC_PVT.PTCV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–77 VALIDATE_PROPERTY_TAX IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 20–77 VALIDATE_PROPERTY_TAX IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptcv_tbl	OKL_PTC_PVT.PTCV_TBL_TYPE	Yes	Table type for view OKL_PROPERTY_TAX_V.

OUT Parameters

Table 20–78 VALIDATE_PROPERTY_TAX OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_PROPERTY_TAX

Procedure Specification

```
Procedure VALIDATE_PROPERTY_TAX
(
    p_api_version          IN          NUMBER,
    p_init_msg_list        IN          VARCHAR2,
    x_return_status        OUT         VARCHAR2,
    x_msg_count            OUT         NUMBER,
    x_msg_data             OUT         VARCHAR2,
    p_ptcv_rec             IN          OKL_PTC_PVT.PTCV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–79 *VALIDATE_PROPERTY_TAX IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ptcv_rec	OKL_PTC_PVT.PTCV_REC_TYPE	Yes	Record type for view OKL_PROPERTY_TAX_V.

OUT Parameters

Table 20–80 *VALIDATE_PROPERTY_TAX OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.9 Package OKL_SERVICE_FEES_PUB

This package contains the following procedures:

- [DELETE_SERVICE_FEES \(Overloaded\)](#) on page 20-53
- [INSERT_SERVICE_FEES \(Overloaded\)](#) on page 20-55
- [LOCK_SERVICE_FEES \(Overloaded\)](#) on page 20-58
- [UPDATE_SERVICE_FEES \(Overloaded\)](#) on page 20-60
- [VALIDATE_SERVICE_FEES \(Overloaded\)](#) on page 20-63

20.9.1 DELETE_SERVICE_FEES (Overloaded)

This overloaded procedure includes:

- [DELETE_SERVICE_FEES](#) on page 20-53
- [DELETE_SERVICE_FEES](#) on page 20-54

DELETE_SERVICE_FEES

Procedure Specification

```
Procedure DELETE_SERVICE_FEES
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_svfv_tbl              IN      OKL_SVF_PVT.SV_FV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–81 DELETE_SERVICE_FEES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_svfv_tbl	OKL_SVF_PVT.SV_FV_TBL_TYPE	Yes	Table type for view OKL_SERVICE_FFES_V.

OUT Parameters

Table 20–82 DELETE_SERVICE_FEES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_SERVICE_FEES

Procedure Specification

```
Procedure DELETE_SERVICE_FEES
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_svfv_rec              IN      OKL_SVF_PVT.SVFPV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–83 DELETE_SERVICE_FEES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 20–83 DELETE_SERVICE_FEES IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_svfv_rec	OKL_SVF_PVT.SV_FV_REC_TYPE	Yes	Record type for view OKL_SERVICE_FEES_V.

OUT Parameters

Table 20–84 DELETE_SERVICE_FEES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.9.2 INSERT_SERVICE_FEES (Overloaded)

This overloaded procedure includes:

- [INSERT_SERVICE_FEES](#) on page 20-55
- [INSERT_SERVICE_FEES](#) on page 20-56

INSERT_SERVICE_FEES

Procedure Specification

Procedure INSERT_SERVICE_FEES

```
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_svfv_tbl             IN      OKL_SVF_PVT.SV_FV_TBL_TYPE,
    x_svfv_tbl             OUT     OKL_SVF_PVT.SV_FV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–85 INSERT_SERVICE_FEES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_svfv_tbl	OKL_SVF_PVT.SV_FV_TBL_TYPE	Yes	Table type for view OKL_SERVICE_FEES_V.

OUT Parameters

Table 20–86 INSERT_SERVICE_FEES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_svfv_tbl	OKL_SVF_PVT.SV_FV_TBL_TYPE	Yes	Table type for view OKL_SERVICE_FEES_V.

INSERT_SERVICE_FEES

Procedure Specification

Procedure INSERT_SERVICE_FEES

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
```

```

x_msg_data          OUT      VARCHAR2,
p_svfv_rec          IN       OKL_SVF_PVT.SV_FV_REC_TYPE,
x_svfv_rec          OUT      OKL_SVF_PVT.SV_FV_REC_TYPE
);

```

Current Version

1.0

IN Parameters

Table 20–87 INSERT_SERVICE_FEES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_svfv_rec	OKL_SVF_PVT.SV_FV_REC_TYPE	Yes	Record type for view OKL_SERVICE_FEES_V.

OUT Parameters

Table 20–88 INSERT_SERVICE_FEES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_svfv_rec	OKL_SVF_PVT.SV_FV_REC_TYPE	Yes	Record type for view OKL_SERVICE_FEES_V.

20.9.3 LOCK_SERVICE_FEES (Overloaded)

This overloaded procedure includes:

- [LOCK_SERVICE_FEES](#) on page 20-58
- [LOCK_SERVICE_FEES](#) on page 20-59

LOCK_SERVICE_FEES

Procedure Specification

```
Procedure LOCK_SERVICE_FEES
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_svfv_tbl              IN      OKL_SVF_PVT.SV_FV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–89 LOCK_SERVICE_FEES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_svfv_tbl	OKL_SVF_PVT.SV_FV_TBL_TYPE	Yes	Table type for view OKL_SERVICE_FEES_V.

OUT Parameters

Table 20–90 LOCK_SERVICE_FEES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_SERVICE_FEES

Procedure Specification

Procedure LOCK_SERVICE_FEES

```
(  
    p_api_version           IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status         OUT     VARCHAR2,  
    x_msg_count             OUT     NUMBER,  
    x_msg_data              OUT     VARCHAR2,  
    p_svfv_rec              IN      OKL_SVF_PVT.SV_FV_REC_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 20–91 LOCK_SERVICE_FEES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 20–91 LOCK_SERVICE_FEES IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_svfv_rec	OKL_SVF_PVT.SV_FV_REC_TYPE	Yes	Record type for view OKL_SERVICE_FEES_V.

OUT Parameters

Table 20–92 LOCK_SERVICE_FEES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.9.4 UPDATE_SERVICE_FEES (Overloaded)

This overloaded procedure includes:

- [UPDATE_SERVICE_FEES](#) on page 20-60
- [UPDATE_SERVICE_FEES](#) on page 20-61

UPDATE_SERVICE_FEES

Procedure Specification

```
Procedure UPDATE_SERVICE_FEES
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_svfv_tbl             IN      OKL_SVF_PVT.SV_FV_TBL_TYPE,
    x_svfv_tbl             OUT     OKL_SVF_PVT.SV_FV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters**Table 20–93 UPDATE_SERVICE_FEES IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_svfv_tbl	OKL_SVF_PVT.SV_FV_TBL_TYPE	Yes	Table type for view OKL_SERVICE_FEES_V.

OUT Parameters**Table 20–94 UPDATE_SERVICE_FEES OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_svfv_tbl	OKL_SVF_PVT.SV_FV_TBL_TYPE	Yes	Table type for view OKL_SERVICE_FEES_V.

UPDATE_SERVICE_FEES**Procedure Specification**

Procedure UPDATE_SERVICE_FEES

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,
```

```
x_msg_data          OUT      VARCHAR2,
p_svfv_rec          IN       OKL_SVF_PVT.SV_FV_REC_TYPE,
x_svfv_rec          OUT      OKL_SVF_PVT.SV_FV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–95 UPDATE_SERVICE_FEES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_svfv_rec	OKL_SVF_PVT.SV_FV_REC_TYPE	Yes	Record type for view OKL_SERVICE_FEES_V.

OUT Parameters

Table 20–96 UPDATE_SERVICE_FEES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_svfv_rec	OKL_SVF_PVT.SV_FV_REC_TYPE	Yes	Record type for view OKL_SERVICE_FEES_V.

20.9.5 VALIDATE_SERVICE_FEES (Overloaded)

This overloaded procedure includes:

- [VALIDATE_SERVICE_FEES](#) on page 20-63
- [VALIDATE_SERVICE_FEES](#) on page 20-64

VALIDATE_SERVICE_FEES

Procedure Specification

```
Procedure VALIDATE_SERVICE_FEES
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_svfv_tbl              IN      OKL_SVF_PVT.SV_FV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20-97 VALIDATE_SERVICE_FEES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_svfv_tbl	OKL_SVF_PVT.SV_FV_TBL_TYPE	Yes	Table type for view OKL_SERVICE_FEES_V.

OUT Parameters

Table 20–98 VALIDATE_SERVICE_FEES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_SERVICE_FEES

Procedure Specification

```
Procedure VALIDATE_SERVICE_FEES
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_svfv_rec              IN      OKL_SVF_PVT.SVFPV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–99 VALIDATE_SERVICE_FEES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 20–99 *VALIDATE_SERVICE_FEES IN Parameters (Cont.)*

Parameter	Data Type	Required	Description and Validation
p_svfv_rec	OKL_SVF_ PVT.SV_FV_REC_ TYPE	Yes	Record type for view OKL_ SERVICE_FEES_V.

OUT Parameters**Table 20–100** *VALIDATE_SERVICE_FEES OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.10 Package OKL_TRX_REQUESTS_PUB

This package contains the following procedures:

- [DELETE_TRX_REQUESTS \(Overloaded\)](#) on page 20-65
- [INSERT_TRX_REQUESTS \(Overloaded\)](#) on page 20-68
- [LOCK_TRX_REQUESTS \(Overloaded\)](#) on page 20-70
- [UPDATE_TRX_REQUESTS \(Overloaded\)](#) on page 20-73
- [VALIDATE_TRX_REQUESTS \(Overloaded\)](#) on page 20-75

20.10.1 DELETE_TRX_REQUESTS (Overloaded)

This overloaded procedure includes:

- [DELETE_TRX_REQUESTS](#) on page 20-66
- [DELETE_TRX_REQUESTS](#) on page 20-67

DELETE_TRX_REQUESTS

Procedure Specification

```
Procedure DELETE_TRX_REQUESTS
(
    p_api_version          IN          NUMBER,
    p_init_msg_list        IN          VARCHAR2,
    x_return_status        OUT         VARCHAR2,
    x_msg_count            OUT         NUMBER,
    x_msg_data             OUT         VARCHAR2,
    p_trqv_tbl             IN          OKL_TRQ_PVT.TRQV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–101 DELETE_TRX_REQUESTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_trqv_tbl	OKL_TRQ_PVT.TRQV_TBL_TYPE	Yes	Table type for view OKL_TRX_REQUESTS_V.

OUT Parameters

Table 20–102 DELETE_TRX_REQUESTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 20–102 DELETE_TRX_REQUESTS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_TRX_REQUESTS

Procedure Specification

```

Procedure DELETE_TRX_REQUESTS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_trqv_rec             IN      OKL_TRQ_PVT.TRQV_REC_TYPE
);

```

Current Version

1.0

IN Parameters

Table 20–103 DELETE_TRX_REQUESTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_trqv_rec	OKL_TRQ_PVT.TRQV_REC_TYPE	Yes	Record type for view OKL_TRX_REQUESTS_V.

OUT Parameters

Table 20–104 DELETE_TRX_REQUESTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.10.2 INSERT_TRX_REQUESTS (Overloaded)

This overloaded procedure includes:

- [INSERT_TRX_REQUESTS](#) on page 20-68
- [INSERT_TRX_REQUESTS](#) on page 20-69

INSERT_TRX_REQUESTS

Procedure Specification

```
Procedure INSERT_TRX_REQUESTS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_trqv_tbl              IN      OKL_TRQ_PVT.TRQV_TBL_TYPE,
    x_trqv_tbl              OUT     OKL_TRQ_PVT.TRQV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–105 INSERT_TRX_REQUESTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_trqv_tbl	OKL_TRQ_PVT.TRQV_TBL_TYPE	Yes	Table type for view OKL_TRX_REQUESTS_V.

OUT Parameters

Table 20–106 INSERT_TRX_REQUESTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_trqv_tbl	OKL_TRQ_PVT.TRQV_TBL_TYPE	Yes	Table type for view OKL_TRX_REQUESTS_V.

INSERT_TRX_REQUESTS

Procedure Specification

Procedure INSERT_TRX_REQUESTS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_trqv_rec             IN      OKL_TRQ_PVT.TRQV_REC_TYPE,
  x_trqv_rec             OUT     OKL_TRQ_PVT.TRQV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–107 INSERT_TRX_REQUESTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_trqv_rec	OKL_TRQ_PVT.TRQV_REC_TYPE	Yes	Record type for view OKL_TRX_REQUESTS_V.

OUT Parameters

Table 20–108 INSERT_TRX_REQUESTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_trqv_rec	OKL_TRQ_PVT.TRQV_REC_TYPE	Yes	Record type for view OKL_TRX_REQUESTS_V.

20.10.3 LOCK_TRX_REQUESTS (Overloaded)

This overloaded procedure includes:

- [LOCK_TRX_REQUESTS](#) on page 20-71
- [LOCK_TRX_REQUESTS](#) on page 20-72

LOCK_TRX_REQUESTS

Procedure Specification

Procedure LOCK_TRX_REQUESTS

```
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_trqv_tbl             IN      OKL_TRQ_PVT.TRQV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–109 LOCK_TRX_REQUESTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_trqv_tbl	OKL_TRQ_PVT.TRQV_TBL_TYPE	Yes	Table type for view OKL_TRX_REQUESTS_V.

OUT Parameters

Table 20–110 LOCK_TRX_REQUESTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 20–110 LOCK_TRX_REQUESTS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_TRX_REQUESTS

Procedure Specification

```
Procedure LOCK_TRX_REQUESTS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_trqv_rec              IN      OKL_TRQ_PVT.TRQV_REC_TYPE
)
```

Current Version

1.0

IN Parameters

Table 20–111 LOCK_TRX_REQUESTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_trqv_rec	OKL_TRQ_PVT.TRQV_REC_TYPE	Yes	Record type for view OKL_TRX_REQUESTS_V.

OUT Parameters

Table 20–112 LOCK_TRX_REQUESTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.10.4 UPDATE_TRX_REQUESTS (Overloaded)

This overloaded procedure includes:

- [UPDATE_TRX_REQUESTS](#) on page 20-73
- [UPDATE_TRX_REQUESTS](#) on page 20-74

UPDATE_TRX_REQUESTS

Procedure Specification

```
Procedure UPDATE_TRX_REQUESTS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_trqv_tbl             IN      OKL_TRQ_PVT.TRQV_TBL_TYPE,
    x_trqv_tbl             OUT     OKL_TRQ_PVT.TRQV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–113 UPDATE_TRX_REQUESTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_trqv_tbl	OKL_TRQ_PVT.TRQV_TBL_TYPE	Yes	Table type for view OKL_TRX_REQUESTS_V.

OUT Parameters

Table 20–114 UPDATE_TRX_REQUESTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_trqv_tbl	OKL_TRQ_PVT.TRQV_TBL_TYPE	Yes	Table type for view OKL_TRX_REQUESTS_V.

UPDATE_TRX_REQUESTS

Procedure Specification

```
Procedure UPDATE_TRX_REQUESTS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_trqv_rec             IN      OKL_TRQ_PVT.TRQV_REC_TYPE,
  x_trqv_rec             OUT     OKL_TRQ_PVT.TRQV_REC_TYPE
);
```

Current Version

1.0

IN Parameters**Table 20–115 UPDATE_TRX_REQUESTS IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_trqv_rec	OKL_TRQ_PVT.TRQV_REC_TYPE	Yes	Table type for view OKL_TRX_REQUESTS_V.

OUT Parameters**Table 20–116 UPDATE_TRX_REQUESTS OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_trqv_rec	OKL_TRQ_PVT.TRQV_REC_TYPE	Yes	Table type for view OKL_TRX_REQUESTS_V.

20.10.5 VALIDATE_TRX_REQUESTS (Overloaded)

This overloaded procedure includes:

- [VALIDATE_TRX_REQUESTS](#) on page 20-76
- [VALIDATE_TRX_REQUESTS](#) on page 20-77

VALIDATE_TRX_REQUESTS

Procedure Specification

```
Procedure VALIDATE_TRX_REQUESTS
(
    p_api_version          IN          NUMBER,
    p_init_msg_list        IN          VARCHAR2,
    x_return_status        OUT         VARCHAR2,
    x_msg_count            OUT         NUMBER,
    x_msg_data             OUT         VARCHAR2,
    p_trqv_tbl             IN          OKL_TRQ_PVT.TRQV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–117 VALIDATE_TRX_REQUESTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_trqv_tbl	OKL_TRQ_PVT.TRQV_TBL_TYPE	Yes	Table type for view OKL_TRX_REQUESTS_V.

OUT Parameters

Table 20–118 VALIDATE_TRX_REQUESTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 20–118 *VALIDATE_TRX_REQUESTS OUT Parameters (Cont.)*

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_TRX_REQUESTS

Procedure Specification

Procedure VALIDATE_TRX_REQUESTS

```
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_trqv_rec             IN      OKL_TRQ_PVT.TRQV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–119 *VALIDATE_TRX_REQUESTS IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_trqv_rec	OKL_TRQ_PVT.TRQV_REC_TYPE	Yes	Record type for view OKL_TRX_REQUESTS_V.

OUT Parameters

Table 20–120 VALIDATE_TRX_REQUESTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.11 Package OKL_INS_QUOTE_PUB

This package contains the following procedures:

- [ACCEPT_QUOTE](#) on page 20-78
- [ACTIVATE_INS_POLICY](#) on page 20-79
- [ACTIVATE_INS_STREAM](#) on page 20-80
- [ACTIVATE_INS_STREAMS \(Overloaded\)](#) on page 20-81
- [CALC_LEASE_PREMIUM](#) on page 20-83
- [CALC_OPTIONAL_PREMIUM](#) on page 20-84
- [CREATE_INS_STREAMS](#) on page 20-86
- [SAVE_ACCEPT_QUOTE](#) on page 20-87
- [SAVE_QUOTE](#) on page 20-88

20.11.1 ACCEPT_QUOTE

Procedure Specification

```
Procedure ACCEPT_QUOTE
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_quote_id              IN      NUMBER
```



```
);
```

Current Version

1.0

IN Parameters

Table 20–121 ACCEPT_QUOTE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_quote_id	NUMBER	Yes	Insurance Quote ID.

OUT Parameters

Table 20–122 ACCEPT_QUOTE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.11.2 ACTIVATE_INS_POLICY

Procedure Specification

Procedure ACTIVATE_INS_POLICY

```
(  
    p_api_version           IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_ins_policy_id        IN      NUMBER
```

);

Current Version

1.0

IN Parameters

Table 20–123 *ACTIVATE_INS_POLICY IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ins_policy_id	NUMBER	Yes	Insurance Policy ID.

OUT Parameters

Table 20–124 *ACTIVATE_INS_POLICY OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.11.3 **ACTIVATE_INS_STREAM**

Procedure Specification

```
Procedure ACTIVATE_INS_STREAM
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_ipyv_rec              IN      OKL_IPY_PVT.IPYV_REC_TYPE
```

);

Current Version

1.0

IN Parameters

Table 20–125 ACTIVATE_INS_STREAM IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ipyv_rec	OKL_IPY_PVT.IPYV_REC_TYPE	Yes	Record type for view OKL_INS_POLICIES_V.

OUT Parameters

Table 20–126 ACTIVATE_INS_STREAM OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.11.4 ACTIVATE_INS_STREAMS (Overloaded)

This overloaded procedure includes:

- [ACTIVATE_INS_STREAMS](#) on page 20-82
- [ACTIVATE_INS_STREAMS](#) on page 20-82

ACTIVATE_INS_STREAMS

Procedure Specification

```
Procedure ACTIVATE_INS_STREAMS
(
    errbuf                                OUT    VARCHAR2,
    retcode                               OUT    NUMBER
);
```

Current Version

1.0

IN Parameters

ACTIVATE_INS_STREAMS has no IN parameters.

OUT Parameters

Table 20–127 ACTIVATE_INS_STREAMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
errbuf	VARCHAR2	Yes	Error Buffer.
retcode	NUMBER	Yes	Return Code.

ACTIVATE_INS_STREAMS

Procedure Specification

```
Procedure ACTIVATE_INS_STREAMS
(
    p_api_version                IN    NUMBER,
    p_init_msg_list              IN    VARCHAR2,
    x_return_status              OUT    VARCHAR2,
    x_msg_count                  OUT    NUMBER,
    x_msg_data                   OUT    VARCHAR2,
    p_contract_id                IN    NUMBER
);
```

Current Version

1.0

IN Parameters**Table 20–128 ACTIVATE_INS_STREAMS IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_contract_id	NUMBER	Yes	Contract ID.

OUT Parameters**Table 20–129 ACTIVATE_INS_STREAMS OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.11.5 CALC_LEASE_PREMIUM**Procedure Specification**

Procedure CALC_LEASE_PREMIUM

```

(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  px_ipyv_rec             IN/OUT  OKL_IPY_PVT.IPYV_REC_TYPE,
  x_message               OUT     VARCHAR2,
  x_iasset_tbl            OUT     OKL_INS_QUOTE_PVT.IASSET_TBL_TYPE
);

```

Current Version

1.0

IN Parameters

Table 20–130 CALC_LEASE_PREMIUM IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
px_ipyv_rec	OKL_IPY_PVT.IPYV_REC_TYPE	Yes	Record type for view OKL_INS_POLICIES_V.

OUT Parameters

Table 20–131 CALC_LEASE_PREMIUM OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_message	VARCHAR2	Yes	Warning message.
x_iasset_tbl	OKL_INS_QUOTE_PVT.IASSET_TBL_TYPE	Yes	Record of contract line ID, premium, and so on.

20.11.6 CALC_OPTIONAL_PREMIUM

Procedure Specification

```
Procedure CALC_OPTIONAL_PREMIUM
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
```

```

x_msg_count          OUT      NUMBER,
x_msg_data           OUT      VARCHAR2,
p_ipyv_rec           IN       OKL_IPY_PVT.IPYV_REC_TYPE,
x_message            OUT      VARCHAR2,
x_ipyv_rec           OUT      OKL_IPY_PVT.IPYV_REC_TYPE
);

```

Current Version

1.0

IN Parameters

Table 20–132 CALC_OPTIONAL_PREMIUM IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ipyv_rec	OKL_IPY_PVT.IPYV_REC_TYPE	Yes	Record type for view OKL_INS_POLICIES_V.

OUT Parameters

Table 20–133 CALC_OPTIONAL_PREMIUM OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_message	VARCHAR2	Yes	Warning message.
x_ipyv_rec	OKL_IPY_PVT.IPYV_REC_TYPE	Yes	Record type for view OKL_INS_POLICIES_V.

20.11.7 CREATE_INS_STREAMS

Procedure Specification

```
Procedure CREATE_INS_STREAMS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_ipyv_rec             IN      OKL_IPY_PVT.IPYV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–134 CREATE_INS_STREAMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ipyv_rec	OKL_IPY_PVT.IPYV_REC_TYPE	Yes	Record type for view OKL_INS_POLICIES_V.

OUT Parameters

Table 20–135 CREATE_INS_STREAMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.11.8 SAVE_ACCEPT_QUOTE

Procedure Specification

Procedure SAVE_ACCEPT_QUOTE

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_ipyv_rec             IN      OKL_IPY_PVT.IPYV_REC_TYPE,  
    x_message              OUT     VARCHAR2  
);
```

Current Version

1.0

IN Parameters

Table 20–136 SAVE_ACCEPT_QUOTE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ipyv_rec	OKL_IPY_PVT.IPYV_REC_TYPE	Yes	Record type for view OKL_INS_POLICIES_V.

OUT Parameters

Table 20–137 SAVE_ACCEPT_QUOTE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 20–137 SAVE_ACCEPT_QUOTE OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_message	VARCHAR2	Yes	Warning message.

20.11.9 SAVE_QUOTE

Procedure Specification

```
Procedure SAVE_QUOTE
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    px_ipyv_rec             IN/OUT  OKL_IPY_PVT.IPYV_REC_TYPE,
    x_message               OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 20–138 SAVE_QUOTE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
px_ipyv_rec	OKL_IPY_PVT.IPYV_REC_TYPE	Yes	Record type for view OKL_INS_POLICIES_V.

OUT Parameters

Table 20–139 *SAVE_QUOTE OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_message	VARCHAR2	Yes	Warning message.

20.12 Package OKL_INSURANCE_POLICIES_PUB

This package contains the following procedures:

- [CANCEL_POLICIES](#) on page 20-89
- [CANCEL_POLICY](#) on page 20-90
- [DELETE_POLICY](#) on page 20-91
- [INSERT_AP_REQUEST \(Overloaded\)](#) on page 20-92

20.12.1 CANCEL_POLICIES

Procedure Specification

Procedure CANCEL_POLICIES

```
(  
    p_api_version           IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status         OUT     VARCHAR2,  
    x_msg_count             OUT     NUMBER,  
    x_msg_data              OUT     VARCHAR2,  
    p_contract_id           IN      NUMBER,  
    p_cancellation_date     IN      DATE  
);
```

Current Version

1.0

IN Parameters

Table 20–140 CANCEL_POLICIES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_contract_id	NUMBER	Yes	Contract ID.
p_cancellation_date	DATE	Yes	Contract cancellation date.

OUT Parameters

Table 20–141 CANCEL_POLICIES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.12.2 CANCEL_POLICY

Procedure Specification

```
Procedure CANCEL_POLICY
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_ipyv_rec              IN      OKL_IPY_PVT.IPYV_REC_TYPE,
    x_ipyv_rec              OUT     OKL_IPY_PVT.IPYV_REC_TYPE
);
```

Current Version

1.0

IN Parameters**Table 20–142 CANCEL_POLICY IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ipyv_rec	OKL_IPY_PVT.IPYV_REC_TYPE	Yes	Record type for view OKL_INS_POLICIES_V.

OUT Parameters**Table 20–143 CANCEL_POLICY OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ipyv_rec	OKL_IPY_PVT.IPYV_REC_TYPE	Yes	Record type for view OKL_INS_POLICIES_V.

20.12.3 DELETE_POLICY**Procedure Specification**

Procedure DELETE_POLICY

```
(  
    p_api_version          IN          NUMBER,  
    p_init_msg_list        IN          VARCHAR2,  
    x_return_status        OUT         VARCHAR2,  
    x_msg_count            OUT         NUMBER,  
    x_msg_data             OUT         VARCHAR2,
```

```

    p_ipyv_rec          IN      OKL_IPY_PVT.IPYV_REC_TYPE,
    x_ipyv_rec          OUT     OKL_IPY_PVT.IPYV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–144 DELETE_POLICY IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ipyv_rec	OKL_IPY_PVT.IPYV_REC_TYPE	Yes	Record type for view OKL_INS_POLICIES_V.

OUT Parameters

Table 20–145 DELETE_POLICY OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ipyv_rec	OKL_IPY_PVT.IPYV_REC_TYPE	Yes	Record type for view OKL_INS_POLICIES_V.

20.12.4 INSERT_AP_REQUEST (Overloaded)

This overloaded procedure includes:

- [INSERT_AP_REQUEST](#) on page 20-93
- [INSERT_AP_REQUEST](#) on page 20-94

INSERT_AP_REQUEST

Procedure Specification

Procedure INSERT_AP_REQUEST

```
(  
    p_api_version           IN      NUMBER,  
    p_init_msg_list         IN      VARCHAR2,  
    x_return_status         OUT     VARCHAR2,  
    x_msg_count             OUT     NUMBER,  
    x_msg_data              OUT     VARCHAR2,  
    p_tap_id                IN      NUMBER,  
    p_credit_amount         IN      NUMBER,  
    p_credit_sty_id         IN      NUMBER,  
    p_khr_id                IN      NUMBER,  
    p_kle_id                IN      NUMBER,  
    p_invoice_date          IN      DATE,  
    p_trx_id                IN      NUMBER  
);
```

Current Version

1.0

IN Parameters

Table 20–146 INSERT_AP_REQUEST IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_tap_id	NUMBER	Yes	Invoice ID against which credit has to issue.
p_credit_amount	NUMBER	Yes	Amount to be credited.
p_credit_sty_id	NUMBER	Yes	Stream ID.
p_khr_id	NUMBER	Yes	Contract ID.
p_kle_id	NUMBER	Yes	Contract line ID.
p_invoice_date	DATE	Yes	Invoice date.

Table 20–146 INSERT_AP_REQUEST IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_trx_id	NUMBER	Yes	Transaction Type ID.

OUT Parameters

Table 20–147 INSERT_AP_REQUEST OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

INSERT_AP_REQUEST

Procedure Specification

Procedure INSERT_AP_REQUEST

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_tap_id                IN      NUMBER,
  p_credit_amount         IN      NUMBER,
  p_credit_sty_id         IN      NUMBER,
  p_khr_id                IN      NUMBER,
  p_kle_id                IN      NUMBER,
  p_invoice_date          IN      DATE,
  p_trx_id                IN      NUMBER,
  p_vendor_site_id        IN      NUMBER,
  x_request_id            OUT     NUMBER
);
```

Current Version

1.0

IN Parameters**Table 20–148 INSERT_AP_REQUEST IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_tap_id	NUMBER	Yes	Invoice ID against which credit has to issue.
p_credit_amount	NUMBER	Yes	Amount to credit.
p_credit_sty_id	NUMBER	Yes	Stream ID.
p_khr_id	NUMBER	Yes	Contract ID.
p_kle_id	NUMBER	Yes	Contract Line ID.
p_invoice_date	DATE	Yes	Invoice date.
p_trx_id	NUMBER	Yes	Transaction type ID.
p_vendor_site_id	NUMBER	Yes	Vendor site ID.

OUT Parameters**Table 20–149 INSERT_AP_REQUEST OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_request_id	NUMBER	Yes	Payable request ID.

20.13 Package OKL_INS_CLAIMS_PUB

This package contains the following procedures:

- [DELETE_INS_CLAIMS \(Overloaded\)](#) on page 20-96
- [INSERT_INS_CLAIMS \(Overloaded\)](#) on page 20-98
- [LOCK_INS_CLAIMS \(Overloaded\)](#) on page 20-101
- [UPDATE_INS_CLAIMS \(Overloaded\)](#) on page 20-103
- [VALIDATE_INS_CLAIMS \(Overloaded\)](#) on page 20-106

20.13.1 DELETE_INS_CLAIMS (Overloaded)

This overloaded procedure includes:

- [DELETE_INS_CLAIMS](#) on page 20-96
- [DELETE_INS_CLAIMS](#) on page 20-97

DELETE_INS_CLAIMS

This procedure deletes insurance claims.

Procedure Specification

```
Procedure DELETE_INS_CLAIMS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_clmv_tbl              IN      OKL_CLM_PVT.CLMV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–150 DELETE_INS_CLAIMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_clmv_tbl	OKL_CLM_PVT.CLMV_TBL_TYPE	Yes	Table type for view OKL_INS_CLAIMS_V.

OUT Parameters

Table 20–151 DELETE_INS_CLAIMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_INS_CLAIMS

Procedure Specification

Procedure DELETE_INS_CLAIMS

```
(
  p_api_version          IN          NUMBER,
  p_init_msg_list        IN          VARCHAR2,
  x_return_status        OUT         VARCHAR2,
  x_msg_count            OUT         NUMBER,
  x_msg_data             OUT         VARCHAR2,
  p_clmv_rec             IN          OKL_CLM_PVT.CLMV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–152 DELETE_INS_CLAIMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_clmv_rec	OKL_CLM_PVT.CLMV_REC_TYPE	Yes	Record type for view OKL_INS_CLAIMS_V.

OUT Parameters

Table 20–153 DELETE_INS_CLAIMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.13.2 INSERT_INS_CLAIMS (Overloaded)

This overloaded procedure includes:

- [INSERT_INS_CLAIMS](#) on page 20-98
- [INSERT_INS_CLAIMS](#) on page 20-100

INSERT_INS_CLAIMS

Procedure Specification

```
Procedure INSERT_INS_CLAIMS
(
```

```

p_api_version          IN      NUMBER,
p_init_msg_list        IN      VARCHAR2,
x_return_status        OUT     VARCHAR2,
x_msg_count            OUT     NUMBER,
x_msg_data             OUT     VARCHAR2,
p_clmv_tbl             IN      OKL_CLM_PVT.CLMV_TBL_TYPE,
x_clmv_tbl             OUT     OKL_CLM_PVT.CLMV_TBL_TYPE
);

```

Current Version

1.0

IN Parameters

Table 20–154 INSERT_INS_CLAIMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_clmv_tbl	OKL_CLM_PVT.CLMV_TBL_TYPE	Yes	Table type for view OKL_INS_CLAIMS_V.

OUT Parameters

Table 20–155 INSERT_INS_CLAIMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_clmv_tbl	OKL_CLM_PVT.CLMV_TBL_TYPE	Yes	Table type for view OKL_INS_CLAIMS_V.

INSERT_INS_CLAIMS

Procedure Specification

Procedure INSERT_INS_CLAIMS

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_clmv_rec              IN      OKL_CLM_PVT.CLMV_REC_TYPE,
  x_clmv_rec              OUT     OKL_CLM_PVT.CLMV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–156 INSERT_INS_CLAIMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_clmv_rec	OKL_CLM_PVT.CLMV_REC_TYPE	Yes	Record type for view OKL_INS_CLAIMS_V.

OUT Parameters

Table 20–157 INSERT_INS_CLAIMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 20–157 INSERT_INS_CLAIMS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_clmv_rec	OKL_CLM_PVT.CLMV_REC_TYPE	Yes	Record type for view OKL_INS_CLAIMS_V.

20.13.3 LOCK_INS_CLAIMS (Overloaded)

This overloaded procedure includes:

- [LOCK_INS_CLAIMS](#) on page 20-101
- [LOCK_INS_CLAIMS](#) on page 20-102

LOCK_INS_CLAIMS

Procedure Specification

Procedure LOCK_INS_CLAIMS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_clmv_tbl             IN      OKL_CLM_PVT.CLMV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–158 LOCK_INS_CLAIMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 20–158 LOCK_INS_CLAIMS IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_clmv_tbl	OKL_CLM_PVT.CLMV_TBL_TYPE	Yes	Table type for view OKL_INS_CLAIMS_V.

OUT Parameters

Table 20–159 LOCK_INS_CLAIMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_INS_CLAIMS

Procedure Specification

```
Procedure LOCK_INS_CLAIMS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_clmv_rec              IN      OKL_CLM_PVT.CLMV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–160 LOCK_INS_CLAIMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_clmv_rec	OKL_CLM_PVT.CLMV_REC_TYPE	Yes	Record type for view OKL_INS_CLAIMS_V.

OUT Parameters

Table 20–161 LOCK_INS_CLAIMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.13.4 UPDATE_INS_CLAIMS (Overloaded)

This overloaded procedure includes:

- [UPDATE_INS_CLAIMS](#) on page 20-103
- [UPDATE_INS_CLAIMS](#) on page 20-105

UPDATE_INS_CLAIMS

Procedure Specification

Procedure UPDATE_INS_CLAIMS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
```

```

x_msg_data          OUT      VARCHAR2,
p_clmv_tbl          IN       OKL_CLM_PVT.CLMV_TBL_TYPE,
x_clmv_tbl          OUT      OKL_CLM_PVT.CLMV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–162 UPDATE_INS_CLAIMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_clmv_tbl	OKL_CLM_PVT.CLMV_TBL_TYPE	Yes	Table type for view OKL_INS_CLAIMS_V.

OUT Parameters

Table 20–163 UPDATE_INS_CLAIMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_clmv_tbl	OKL_CLM_PVT.CLMV_TBL_TYPE	Yes	Table type for view OKL_INS_CLAIMS_V.

UPDATE_INS_CLAIMS

Procedure Specification

Procedure UPDATE_INS_CLAIMS

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_clmv_rec             IN      OKL_CLM_PVT.CLMV_REC_TYPE,  
    x_clmv_rec             OUT     OKL_CLM_PVT.CLMV_REC_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 20–164 UPDATE_INS_CLAIMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_clmv_rec	OKL_CLM_PVT.CLMV_REC_TYPE	Yes	Record type for view OKL_INS_CLAIMS_V.

OUT Parameters

Table 20–165 UPDATE_INS_CLAIMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 20–165 UPDATE_INS_CLAIMS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_clmv_rec	OKL_CLM_PVT.CLMV_REC_TYPE	Yes	Record type for view OKL_INS_CLAIMS_V.

20.13.5 VALIDATE_INS_CLAIMS (Overloaded)

This overloaded procedure includes:

- [VALIDATE_INS_CLAIMS](#) on page 20-106
- [VALIDATE_INS_CLAIMS](#) on page 20-107

VALIDATE_INS_CLAIMS

Procedure Specification

```
Procedure VALIDATE_INS_CLAIMS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_clmv_tbl              IN      OKL_CLM_PVT.CLMV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–166 VALIDATE_INS_CLAIMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 20–166 *VALIDATE_INS_CLAIMS IN Parameters (Cont.)*

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_clmv_tbl	OKL_CLM_ PVT.CLMV_TBL_ TYPE	Yes	Table type for view OKL_INS_CLAIMS_V.

OUT Parameters**Table 20–167** *VALIDATE_INS_CLAIMS OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_INS_CLAIMS**Procedure Specification**

Procedure VALIDATE_INS_CLAIMS

```
(
    p_api_version          IN          NUMBER,
    p_init_msg_list        IN          VARCHAR2,
    x_return_status        OUT         VARCHAR2,
    x_msg_count            OUT         NUMBER,
    x_msg_data             OUT         VARCHAR2,
    p_clmv_rec             IN          OKL_CLM_PVT.CLMV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–168 *VALIDATE_INS_CLAIMS IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_clmv_rec	OKL_CLM_PVT.CLMV_REC_TYPE	Yes	Record type for view OKL_INS_CLAIMS_V.

OUT Parameters

Table 20–169 *VALIDATE_INS_CLAIMS OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.14 Package OKL_INS_CLAIM_ASSET_PUB

This package contains the following procedures:

- [CREATE_LEASE_CLAIM](#) on page 20-108
- [HOLD_STREAMS](#) on page 20-110

20.14.1 CREATE_LEASE_CLAIM

Procedure Specification

```
Procedure CREATE_LEASE_CLAIM
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
```

```

x_msg_count          OUT      NUMBER,
x_msg_data           OUT      VARCHAR2,
px_clmv_tbl          IN/OUT   OKL_CLM_PVT.CLMV_TBL_TYPE,
px_acdv_tbl          IN/OUT   OKL_ACD_PVT.ACDV_TBL_TYPE,
px_acnv_tbl          IN/OUT   OKL_ACN_PVT.ACNV_TBL_TYPE
);

```

Current Version

1.0

IN Parameters

Table 20–170 CREATE_LEASE_CLAIM IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
px_clmv_tbl	OKL_CLM_PVT.CLMV_TBL_TYPE	Yes	Table type for view OKL_INS_CLAIMS_V.
px_acdv_tbl	OKL_ACD_PVT.ACDV_TBL_TYPE	Yes	Table type for view OKL_ASSET_CNDTNS_V.
px_acnv_tbl	OKL_ACN_PVT.ACNV_TBL_TYPE	Yes	Table type for view OKL_ASSET_CNDTN_LNS_V.

OUT Parameters

Table 20–171 CREATE_LEASE_CLAIM OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 20–171 CREATE_LEASE_CLAIM OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.14.2 HOLD_STREAMS

Procedure Specification

```
Procedure HOLD_STREAMS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_lsm_id               IN      OKL_INS_CLAIM_ASSET_PVT.STMID_REC_TYPE_
    TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–172 HOLD_STREAMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_lsm_id	OKL_INS_CLAIM_ASSET_PVT.STMID_REC_TYPE_TBL_TYPE	Yes	Record structure.

OUT Parameters

Table 20–173 HOLD_STREAMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.15 Package OKL_INS_POLICIES_PUB

This package contains the following procedures:

- [DELETE_INS_POLICIES \(Overloaded\)](#) on page 20-111
- [INSERT_INS_POLICIES \(Overloaded\)](#) on page 20-113
- [LOCK_INS_POLICIES \(Overloaded\)](#) on page 20-116
- [UPDATE_INS_POLICIES \(Overloaded\)](#) on page 20-118
- [VALIDATE_INS_POLICIES \(Overloaded\)](#) on page 20-121

20.15.1 DELETE_INS_POLICIES (Overloaded)

This overloaded procedure includes:

- [DELETE_INS_POLICIES](#) on page 20-111
- [DELETE_INS_POLICIES](#) on page 20-112

DELETE_INS_POLICIES

Procedure Specification

Procedure DELETE_INS_POLICIES

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,
```

```
        p_ipyv_tbl                IN      OKL_IPY_PVT.IPYV_TBL_TYPE
    );
```

Current Version
1.0

IN Parameters

Table 20–174 DELETE_INS_POLICIES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ipyv_tbl	OKL_IPY_PVT.IPYV_TBL_TYPE	Yes	Table type for view OKL_INS_POLICIES_V.

OUT Parameters

Table 20–175 DELETE_INS_POLICIES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_INS_POLICIES

Procedure Specification

```
Procedure DELETE_INS_POLICIES
(
    p_api_version                IN      NUMBER,
    p_init_msg_list              IN      VARCHAR2,
    x_return_status              OUT     VARCHAR2,
    x_msg_count                  OUT     NUMBER,
```

```

x_msg_data          OUT      VARCHAR2,
p_ipyv_rec          IN       OKL_IPY_PVT.IPYV_REC_TYPE
);

```

Current Version

1.0

IN Parameters

Table 20–176 DELETE_INS_POLICIES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ipyv_rec	OKL_IPY_PVT.IPYV_REC_TYPE	Yes	Record type for view OKL_INS_POLICIES_V.

OUT Parameters

Table 20–177 DELETE_INS_POLICIES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.15.2 INSERT_INS_POLICIES (Overloaded)

This overloaded procedure includes:

- [INSERT_INS_POLICIES](#) on page 20-114
- [INSERT_INS_POLICIES](#) on page 20-115

INSERT_INS_POLICIES

Procedure Specification

```
Procedure INSERT_INS_POLICIES
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_ipyv_tbl             IN      OKL_IPY_PVT.IPYV_TBL_TYPE,
    x_ipyv_tbl             OUT     OKL_IPY_PVT.IPYV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–178 INSERT_INS_POLICIES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ipyv_tbl	OKL_IPY_PVT.IPYV_TBL_TYPE	Yes	Table type for view OKL_INS_POLICIES_V.

OUT Parameters

Table 20–179 INSERT_INS_POLICIES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 20–179 INSERT_INS_POLICIES OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ipyv_tbl	OKL_IPY_PVT.IPYV_TBL_TYPE	Yes	Table type for view OKL_INS_POLICIES_V.

INSERT_INS_POLICIES

Procedure Specification

Procedure INSERT_INS_POLICIES

```
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_ipyv_rec             IN      OKL_IPY_PVT.IPYV_REC_TYPE,
    x_ipyv_rec             OUT     OKL_IPY_PVT.IPYV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–180 INSERT_INS_POLICIES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ipyv_rec	OKL_IPY_PVT.IPYV_REC_TYPE	Yes	Record type for view OKL_INS_POLICIES_V.

OUT Parameters

Table 20–181 INSERT_INS_POLICIES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ipyv_rec	OKL_IPY_PVT.IPYV_REC_TYPE	Yes	Record type for view OKL_INS_POLICIES_V.

20.15.3 LOCK_INS_POLICIES (Overloaded)

This overloaded procedure includes:

- [LOCK_INS_POLICIES](#) on page 20-116
- [LOCK_INS_POLICIES](#) on page 20-117

LOCK_INS_POLICIES

Procedure Specification

```
Procedure LOCK_INS_POLICIES
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_ipyv_tbl              IN      OKL_IPY_PVT.IPYV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–182 LOCK_INS_POLICIES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ipyv_tbl	OKL_IPY_PVT.IPYV_TBL_TYPE	Yes	Table type for view OKL_INS_POLICIES_V.

OUT Parameters

Table 20–183 LOCK_INS_POLICIES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_INS_POLICIES

Procedure Specification

Procedure LOCK_INS_POLICIES

```
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_ipyv_rec             IN      OKL_IPY_PVT.IPYV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–184 LOCK_INS_POLICIES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ipyv_rec	OKL_IPY_PVT.IPYV_REC_TYPE	Yes	Record type for view OKL_INS_POLICIES_V.

OUT Parameters

Table 20–185 LOCK_INS_POLICIES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

20.15.4 UPDATE_INS_POLICIES (Overloaded)

This overloaded procedure includes:

- [UPDATE_INS_POLICIES](#) on page 20-118
- [UPDATE_INS_POLICIES](#) on page 20-119

UPDATE_INS_POLICIES

Procedure Specification

```
Procedure UPDATE_INS_POLICIES
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
```



```
p_ipyv_tbl          IN      OKL_IPY_PVT.IPYV_TBL_TYPE,  
x_ipyv_tbl          OUT     OKL_IPY_PVT.IPYV_TBL_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 20–186 UPDATE_INS_POLICIES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ipyv_tbl	OKL_IPY_PVT.IPYV_TBL_TYPE	Yes	Table type for view OKL_INS_POLICIES_V.

OUT Parameters

Table 20–187 UPDATE_INS_POLICIES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ipyv_tbl	OKL_IPY_PVT.IPYV_TBL_TYPE	Yes	Table type for view OKL_INS_POLICIES_V.

UPDATE_INS_POLICIES

Procedure Specification

```
Procedure UPDATE_INS_POLICIES  
(
```

```

p_api_version          IN      NUMBER,
p_init_msg_list        IN      VARCHAR2,
x_return_status        OUT     VARCHAR2,
x_msg_count            OUT     NUMBER,
x_msg_data             OUT     VARCHAR2,
p_ipyv_rec             IN      OKL_IPY_PVT.IPYV_REC_TYPE,
x_ipyv_rec             OUT     OKL_IPY_PVT.IPYV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–188 UPDATE_INS_POLICIES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ipyv_rec	OKL_IPY_PVT.IPYV_REC_TYPE	Yes	Record type for view OKL_INS_POLICIES_V.

OUT Parameters

Table 20–189 UPDATE_INS_POLICIES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ipyv_rec	OKL_IPY_PVT.IPYV_REC_TYPE	Yes	Record type for view OKL_INS_POLICIES_V.

20.15.5 VALIDATE_INS_POLICIES (Overloaded)

This overloaded procedure includes:

- [VALIDATE_INS_POLICIES](#) on page 20-121
- [VALIDATE_INS_POLICIES](#) on page 20-122

VALIDATE_INS_POLICIES

Procedure Specification

```
Procedure VALIDATE_INS_POLICIES
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_ipyv_tbl              IN      OKL_IPY_PVT.IPYV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–190 *VALIDATE_INS_POLICIES IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ipyv_tbl	OKL_IPY_PVT.IPYV_TBL_TYPE	Yes	Table type for view OKL_INS_POLICIES_V.

OUT Parameters

Table 20–191 VALIDATE_INS_POLICIES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_INS_POLICIES

Procedure Specification

```
Procedure VALIDATE_INS_POLICIES
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_ipyv_rec              IN      OKL_IPY_PVT.IPYV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 20–192 VALIDATE_INS_POLICIES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ipyv_rec	OKL_IPY_PVT.IPYV_REC_TYPE	Yes	Record type for view OKL_INS_POLICIES_V.

OUT Parameters

Table 20–193 *VALIDATE_INS_POLICIES OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Contract Authoring APIs

The following are areas of public packages of the Contract Authoring APIs in Oracle Lease Management:

- [Create a Contract](#) on page 21-2
- [Set Up Asset Lines](#) on page 21-33
- [Set Up Contract Lines](#) on page 21-38
- [Book the Contract](#) on page 21-62
- [Rebook Multiple Contracts](#) on page 21-91

For information about all table and record type parameters, see [Appendix A, "API Data Structure Specifications"](#).

21.1 Create a Contract

The Create a Contract part of Contract Authoring public APIs in Oracle Lease Management includes:

- [Package OKL_CONTRACT_PROD_OPTNS_PUB](#) on page 21-2
- [Package OKL_COPY_CONTRACT_PUB](#) on page 21-14

21.1.1 Package OKL_CONTRACT_PROD_OPTNS_PUB

This package contains the following procedures:

- [CREATE_CONTRACT_OPTION \(Overloaded\)](#) on page 21-2
- [DELETE_CONTRACT_OPTION \(Overloaded\)](#) on page 21-5
- [LOCK_CONTRACT_OPTION \(Overloaded\)](#) on page 21-7
- [UPDATE_CONTRACT_OPTION \(Overloaded\)](#) on page 21-9
- [VALIDATE_CONTRACT_OPTION \(Overloaded\)](#) on page 21-12

21.1.1.1 CREATE_CONTRACT_OPTION (Overloaded)

This overloaded procedure includes:

- [CREATE_CONTRACT_OPTION](#) on page 21-2
- [CREATE_CONTRACT_OPTION](#) on page 21-3

CREATE_CONTRACT_OPTION

Procedure Specification

```
Procedure CREATE_CONTRACT_OPTION
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_cspv_rec              IN      OKL_CSP_PVT.CSPV_REC_TYPE,
    x_cspv_rec              OUT     OKL_CSP_PVT.CSPV_REC_TYPE
);
```


Current Version

1.0

IN Parameters

Table 21–1 CREATE_CONTRACT_OPTION IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_cspv_rec	OKL_CSP_PVT.CSPV_REC_TYPE	Yes	Record type of view OKL_SLCTD_OPTNS_V.

OUT Parameters

Table 21–2 CREATE_CONTRACT_OPTION OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_cspv_rec	OKL_CSP_PVT.CSPV_REC_TYPE	Yes	Record type of view OKL_SLCTD_OPTNS_V.

CREATE_CONTRACT_OPTION

Procedure Specification

```
Procedure CREATE_CONTRACT_OPTION
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
```

```
x_msg_data          OUT      VARCHAR2,
p_cspv_tbl          IN       OKL_CSP_PVT.CSPV_TBL_TYPE,
x_cspv_tbl          OUT      OKL_CSP_PVT.CSPV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 21-3 CREATE_CONTRACT_OPTION IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_cspv_tbl	OKL_CSP_PVT.CSPV_TBL_TYPE	Yes	Record type of view OKL_SLCTD_OPTNS_V.

OUT Parameters

Table 21-4 CREATE_CONTRACT_OPTION OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_cspv_tbl	OKL_CSP_PVT.CSPV_TBL_TYPE	Yes	Record type of view OKL_SLCTD_OPTNS_V.

21.1.1.2 DELETE_CONTRACT_OPTION (Overloaded)

This overloaded procedure includes:

- [DELETE_CONTRACT_OPTION](#) on page 21-5
- [DELETE_CONTRACT_OPTION](#) on page 21-6

DELETE_CONTRACT_OPTION

Procedure Specification

```
Procedure DELETE_CONTRACT_OPTION
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_cspv_rec              IN      OKL_CSP_PVT.CSPV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 21–5 DELETE_CONTRACT_OPTION IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_cspv_rec	OKL_CSP_PVT.CSPV_REC_TYPE	Yes	Record type of view OKL_SLCTD_OPTNS_V.

OUT Parameters

Table 21–6 DELETE_CONTRACT_OPTION OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_CONTRACT_OPTION

Procedure Specification

```
Procedure DELETE_CONTRACT_OPTION
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_cspv_tbl             IN      OKL_CSP_PVT.CSPV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 21–7 DELETE_CONTRACT_OPTION IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 21–7 DELETE_CONTRACT_OPTION IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_cspv_tbl	OKL_CSP_PVT.CSPV_TBL_TYPE	Yes	Table type of view OKL_SLCTD_OPTNS_V.

OUT Parameters

Table 21–8 DELETE_CONTRACT_OPTION OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

21.1.1.3 LOCK_CONTRACT_OPTION (Overloaded)

This overloaded procedure includes:

- [LOCK_CONTRACT_OPTION](#) on page 21-7
- [LOCK_CONTRACT_OPTION](#) on page 21-8

LOCK_CONTRACT_OPTION

Procedure Specification

```
Procedure LOCK_CONTRACT_OPTION
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_cspv_rec            IN      OKL_CSP_PVT.CSPV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 21–9 LOCK_CONTRACT_OPTION IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_cspv_rec	OKL_CSP_PVT.CSPV_REC_TYPE	Yes	Record type of view OKL_SLCTD_OPTNS_V.

OUT Parameters

Table 21–10 LOCK_CONTRACT_OPTION OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_CONTRACT_OPTION

Procedure Specification

```
Procedure LOCK_CONTRACT_OPTION
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_cspv_tbl             IN      OKL_CSP_PVT.CSPV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters**Table 21–11 LOCK_CONTRACT_OPTION IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_cspv_tbl	OKL_CSP_ PVT.CSPV_TBL_ TYPE	Yes	Table type of view OKL_ SLCTD_OPTNS_V.

OUT Parameters**Table 21–12 LOCK_CONTRACT_OPTION OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

21.1.1.4 UPDATE_CONTRACT_OPTION (Overloaded)

This overloaded procedure includes:

- [UPDATE_CONTRACT_OPTION](#) on page 21-10
- [UPDATE_CONTRACT_OPTION](#) on page 21-11

UPDATE_CONTRACT_OPTION

Procedure Specification

```
Procedure UPDATE_CONTRACT_OPTION
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_cspv_rec             IN      OKL_CSP_PVT.CSPV_REC_TYPE,
    x_cspv_rec             OUT     OKL_CSP_PVT.CSPV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 21–13 UPDATE_CONTRACT_OPTION IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_cspv_rec	OKL_CSP_PVT.CSPV_REC_TYPE	Yes	Record type of view OKL_SLCTD_OPTNS_V.

OUT Parameters

Table 21–14 UPDATE_CONTRACT_OPTION OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 21–14 UPDATE_CONTRACT_OPTION OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_cspv_rec	OKL_CSP_PVT.CSPV_REC_TYPE	Yes	Record type of view OKL_SLCTD_OPTNS_V.

UPDATE_CONTRACT_OPTION

Procedure Specification

```
Procedure UPDATE_CONTRACT_OPTION
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_cspv_tbl            IN      OKL_CSP_PVT.CSPV_TBL_TYPE,
    x_cspv_tbl            OUT     OKL_CSP_PVT.CSPV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 21–15 UPDATE_CONTRACT_OPTION IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_cspv_tbl	OKL_CSP_PVT.CSPV_TBL_TYPE	Yes	Table type of view OKL_SLCTD_OPTNS_V.

OUT Parameters

Table 21–16 UPDATE_CONTRACT_OPTION OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_cspv_tbl	OKL_CSP_PVT.CSPV_TBL_TYPE	Yes	Table type of view OKL_SLCTD_OPTNS_V.

21.1.1.5 VALIDATE_CONTRACT_OPTION (Overloaded)

This overloaded procedure includes:

- [VALIDATE_CONTRACT_OPTION](#) on page 21-12
- [VALIDATE_CONTRACT_OPTION](#) on page 21-13

VALIDATE_CONTRACT_OPTION

Procedure Specification

```
Procedure VALIDATE_CONTRACT_OPTION
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_cspv_rec             IN      OKL_CSP_PVT.CSPV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 21–17 *VALIDATE_CONTRACT_OPTION IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_cspv_rec	OKL_CSP_PVT.CSPV_REC_TYPE	Yes	Record type of view OKL_SLCTD_OPTNS_V.

OUT Parameters

Table 21–18 *VALIDATE_CONTRACT_OPTION OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_CONTRACT_OPTION

Procedure Specification

```
Procedure VALIDATE_CONTRACT_OPTION
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_cspv_tbl             IN      OKL_CSP_PVT.CSPV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 21–19 *VALIDATE_CONTRACT_OPTION IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_cspv_tbl	OKL_CSP_PVT.CSPV_TBL_TYPE	Yes	Table type of view OKL_SLCTD_OPTNS_V.

OUT Parameters

Table 21–20 *VALIDATE_CONTRACT_OPTION OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

21.1.2 Package OKL_COPY_CONTRACT_PUB

This package contains the following procedures:

- [COPY_ARTICLES](#) on page 21-15
- [COPY_COMPONENTS](#) on page 21-16
- [COPY_CONTRACT \(Overloaded\)](#) on page 21-18
- [COPY_CONTRACT_LINES](#) on page 21-23
- [COPY_LATEST_ARTICLES](#) on page 21-25
- [COPY_LEASE_CONTRACT \(Overloaded\)](#) on page 21-26

- [COPY_PARTY_ROLES](#) on page 21-30
- [COPY_RULES](#) on page 21-31
- [COPY_ALL_LINES](#) on page 21-33
- [COPY_ASSET_LINES \(Overloaded\)](#) on page 21-35

21.1.2.1 COPY_ARTICLES

Procedure Specification

```
Procedure COPY_ARTICLES
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_cat_id                IN      NUMBER,
    p_cle_id                IN      NUMBER,
    p_chr_id                IN      NUMBER,
    p_sav_sav_release       IN      VARCHAR2,
    x_cat_id                OUT     NUMBER
);
```

Current Version

1.0

IN Parameters

Table 21–21 COPY_ARTICLES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_cat_id	NUMBER	Yes	Contract article ID to copy.
p_cle_id	NUMBER	Yes	Contract line ID to which to attach the copied article.

Table 21–21 COPY_ARTICLES IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_chr_id	NUMBER	Yes	Contract header ID to which to attach the copied article.
p_sav_sav_release	VARCHAR2	Yes	Release number of the copied article.

OUT Parameters

Table 21–22 COPY_ARTICLES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_cat_id	NUMBER	Yes	Article ID of the copied article.

21.1.2.2 COPY_COMPONENTS

Procedure Specification

Procedure COPY_COMPONENTS

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_from_chr_id          IN      NUMBER,
  p_to_chr_id             IN      NUMBER,
  p_contract_number       IN      VARCHAR2,
  p_contract_number_modifier IN  VARCHAR2,
  p_to_template_yn        IN      VARCHAR2,
  p_copy_reference        IN      VARCHAR2,
  p_copy_line_party_yn    IN      VARCHAR2,
  p_scs_code              IN      VARCHAR2,
  p_intent                IN      VARCHAR2,
  p_prospect              IN      VARCHAR2,
```

```

    p_components_tbl          IN      OKL_COPY_CONTRACT_PVT.API_COMPONENTS_
TBL,
    p_lines_tbl              IN      OKL_COPY_CONTRACT_PVT.API_LINES_TBL,
    x_chr_id                 OUT     NUMBER
);

```

Current Version

1.0

IN Parameters

Table 21–23 COPY_COMPONENTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_from_chr_id	NUMBER	Yes	Source contract ID from which to copy components.
p_to_chr_id	NUMBER	Yes	Target contract ID to which to copy source contract components.
p_contract_number	VARCHAR2	Yes	Target contract number.
p_contract_number_modifier	VARCHAR2	Yes	Target contract number modifier.
p_to_template_yn	VARCHAR2	Yes	Y/N flag to indicate whether or not the target contract is a template.
p_copy_reference	VARCHAR2	Yes	COPY/REFERENCE flag to indicate either to copy contract line items or reference them from the source contract.
p_copy_line_party_yn	VARCHAR2	Yes	Y/N flag to indicate whether or not to copy party roles attached to contract lines.
p_scs_code	VARCHAR2	Yes	Subclass of the target contract. Used only with sub-contracts.

Table 21–23 COPY_COMPONENTS IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_intent	VARCHAR2	Yes	Intent of the target contract (B = Buy, S = Sell). Used only with sub-contracts.
p_prospect	VARCHAR2	Yes	Prospect of the target contract (I = Issue, R = Receive). Used only with sub-contracts.
p_components_tbl	OKL_COPY_CONTRACT_PVT.API_COMPONENTS_TBL	Yes	Table of components to copy.
p_lines_tbl	OKL_COPY_CONTRACT_PVT.API_LINES_TBL	Yes	Table of lines to copy.

OUT Parameters

Table 21–24 COPY_COMPONENTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_chr_id	NUMBER	Yes	Target contract ID.

21.1.2.3 COPY_CONTRACT (Overloaded)

This overloaded procedure includes:

- [COPY_CONTRACT](#) on page 21-19
- [COPY_CONTRACT](#) on page 21-21

COPY_CONTRACT

Note: To copy lease contracts completely with linked service and fee lines and line transactions, use the COPY_LEASE_CONTRACT procedure in this package.

Procedure Specification

Procedure COPY_CONTRACT

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_commit               IN      VARCHAR2,
  p_chr_id               IN      NUMBER,
  p_contract_number       IN      VARCHAR2,
  p_contract_number_modifier IN  VARCHAR2,
  p_to_template_yn       IN      VARCHAR2,
  p_renew_ref_yn         IN      VARCHAR2,
  p_override_org         IN      VARCHAR2,
  x_chr_id               OUT     NUMBER
);
```

Current Version

1.0

IN Parameters

Table 21–25 COPY_CONTRACT IN Parameters

Parameter	Data Type	Required	Description and Validation.
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 21–25 COPY_CONTRACT IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation.
p_commit	VARCHAR2	Yes	Specify T (True) or F (False) to indicate whether or not to commit after a copy is complete. Note: The default is F.
p_chr_id	NUMBER	Yes	Source contract ID from which to copy.
p_contract_number	VARCHAR2	Yes	Target contract number.
p_contract_number_modifier	VARCHAR2	Yes	Target contract number modifier.
p_to_template_yn	VARCHAR2	Yes	Y/N flag to indicate whether or not a target contract is a template.
p_renew_ref_yn	VARCHAR2	Yes	Y/N flag to indicate whether or not to renew references. Note: Use the default value of N for lease contracts.
p_override_org	VARCHAR2	Yes	Y/N flag to indicate whether or not a target contract can be created for an operating unit different from the source contract's operating unit. Note: The default value is Y.

OUT Parameters

Table 21–26 COPY_CONTRACT OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_chr_id	NUMBER	Yes	Target contract ID.

COPY_CONTRACT

Procedure Specification

```
Procedure COPY_CONTRACT
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_commit               IN      VARCHAR2,
    p_chr_id               IN      NUMBER,
    p_contract_number      IN      VARCHAR2,
    p_contract_number_modifier IN  VARCHAR2,
    p_to_template_yn       IN      VARCHAR2,
    p_renew_ref_yn         IN      VARCHAR2,
    p_copy_lines_yn        IN      VARCHAR2,
    p_override_org         IN      VARCHAR2,
    x_chr_id               OUT     NUMBER
);
```

Current Version

1.0

IN Parameters

Table 21–27 COPY_CONTRACT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_commit	VARCHAR2	Yes	T (True) or F (False) to indicate whether or not to commit after copy is complete. Note: The default value is F.
p_chr_id	NUMBER	Yes	Source contract ID to copy from.
p_contract_number	VARCHAR2	Yes	Target contract number.

Table 21–27 COPY_CONTRACT IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_contract_number_modifier	VARCHAR2	Yes	Target contract number modifier.
p_to_template_yn	VARCHAR2	Yes	Y/N flag to indicate whether or not a target contract is a template.
p_renew_ref_yn	VARCHAR2	Yes	Y/N flag to indicate whether or not to renew references. Note: Use the default value of N for lease contracts.
p_copy_lines_yn	VARCHAR2	Yes	Y/N flag to indicate whether or not to copy contract lines.
p_override_org	VARCHAR2	Yes	Y/N flag to indicate whether or not target contract can be created for an operating unit different from the source contract's operating unit. Note: The default value is Y.

OUT Parameters**Table 21–28 COPY_CONTRACT OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_chr_id	NUMBER	Yes	Contract ID of the target contract.

21.1.2.4 COPY_CONTRACT_LINES

Note: To copy lease contract lines completely with linked fee and service lines and associated transactions, use OKL_COPY_ASSET_PUB.COPY_ALL_LINES procedure.

Procedure Specification

```
Procedure COPY_CONTRACT_LINES
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_from_cle_id           IN      NUMBER,
  p_to_cle_id             IN      NUMBER,
  p_to_chr_id             IN      NUMBER,
  p_to_template_yn        IN      VARCHAR2,
  p_copy_reference        IN      VARCHAR2,
  p_copy_line_party_yn    IN      VARCHAR2,
  p_renew_ref_yn          IN      VARCHAR2,
  x_cle_id                OUT     NUMBER
);
```

Current Version

1.0

IN Parameters

Table 21–29 COPY_CONTRACT_LINES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_from_cle_id	NUMBER	Yes	Source contract line ID.

Table 21–29 COPY_CONTRACT_LINES IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_to_cle_id	NUMBER	Yes	Target contract line ID. Note: The default is Null.
p_to_chr_id	NUMBER	Yes	Target contract ID to which to copy the line.
p_to_template_yn	VARCHAR2	Yes	Y/N flag to indicate whether or not to copy line rules as templates.
p_copy_reference	VARCHAR2	Yes	COPY/REFERENCE flag to indicate either to copy contract line items or reference them.
p_copy_line_party_yn	VARCHAR2	Yes	Y/N flag to indicate whether or not to copy party roles that are attached to contract lines.
p_renew_ref_yn	VARCHAR2	Yes	Y/N flag to indicate whether or not to renew references. Note: Use the default value of N for lease contracts.

OUT Parameters**Table 21–30 COPY_CONTRACT_LINES OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_cle_id	NUMBER	Yes	Target contract line ID.

21.1.2.5 COPY_LATEST_ARTICLES

Procedure Specification

```
Procedure COPY_LATEST_ARTICLES
(
    p_api_version          IN    NUMBER,
    p_init_msg_list        IN    VARCHAR2,
    x_return_status        OUT   VARCHAR2,
    x_msg_count            OUT   NUMBER,
    x_msg_data             OUT   VARCHAR2,
    p_cat_id              IN    NUMBER,
    p_cle_id              IN    NUMBER,
    p_chr_id              IN    NUMBER,
    x_cat_id              OUT   NUMBER
);
```

Current Version

1.0

IN Parameters

Table 21–31 COPY_LATEST_ARTICLES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_cat_id	NUMBER	Yes	Contract article ID to copy.
p_cle_id	NUMBER	Yes	Contract line ID to which to attach the copied article.
p_chr_id	NUMBER	Yes	Contract header ID to which to attach the copied article.

OUT Parameters

Table 21–32 COPY_LATEST_ARTICLES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_cat_id	NUMBER	Yes	Article ID of the copied article.

21.1.2.6 COPY_LEASE_CONTRACT (Overloaded)

This overloaded procedure includes:

- [COPY_LEASE_CONTRACT](#) on page 21-26
- [COPY_LEASE_CONTRACT](#) on page 21-28

COPY_LEASE_CONTRACT

Procedure Specification

Procedure COPY_LEASE_CONTRACT

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_commit                IN      VARCHAR2,
  p_chr_id                IN      NUMBER,
  p_contract_number       IN      VARCHAR2,
  p_contract_number_modifier IN  VARCHAR2,
  p_to_template_yn        IN      VARCHAR2,
  p_renew_ref_yn          IN      VARCHAR2,
  p_override_org          IN      VARCHAR2,
  p_trans_type            IN      VARCHAR2,
  x_chr_id                OUT     NUMBER
);
```


Current Version

1.0

IN Parameters**Table 21–33 COPY_LEASE_CONTRACT IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_commit	VARCHAR2	Yes	T (True) or F (False) to indicate whether or not to commit after copy is complete. Note: The default value is F.
p_chr_id	NUMBER	Yes	Source contract ID from which to copy.
p_contract_number	VARCHAR2	Yes	Target contract number.
p_contract_number_modifier	VARCHAR2	Yes	Target contract number modifier.
p_to_template_yn	VARCHAR2	Yes	Y/N flag to indicate whether or not target contract is a template.
p_renew_ref_yn	VARCHAR2	Yes	Y/N flag to indicate whether or not to renew references. Note: Use the default value of N for lease contracts.
p_override_org	VARCHAR2	Yes	Y/N flag to indicate whether or not target contract can be created for an operating unit different from the source contract's operating unit. Note: The default value is Y.
p_trans_type	VARCHAR2	Yes	Transaction type to indicate type of copy. CFA - Contract copy; CRB - Contract copy for rebooking; CRL contract copy for re-leasing.

OUT Parameters

Table 21–34 COPY_LEASE_CONTRACT OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_chr_id	NUMBER	Yes	Contract ID of the target contract.

COPY_LEASE_CONTRACT

Procedure Specification

```
Procedure COPY_LEASE_CONTRACT
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_commit                IN      VARCHAR2,
    p_chr_id                IN      NUMBER,
    p_contract_number       IN      VARCHAR2,
    p_contract_number_modifier IN  VARCHAR2,
    p_to_template_yn        IN      VARCHAR2,
    p_renew_ref_yn          IN      VARCHAR2,
    p_copy_lines_yn         IN      VARCHAR2,
    p_override_org          IN      VARCHAR2,
    p_trans_type            IN      VARCHAR2,
    x_chr_id                OUT     NUMBER
);
```

Current Version

1.0

IN Parameters

Table 21–35 COPY_LEASE_CONTRACT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_commit	VARCHAR2	Yes	T (True)/F (False) to indicate whether or not to commit after copy is complete. Note: The default is F.
p_chr_id	NUMBER	Yes	Source contract ID from which to copy.
p_contract_number	VARCHAR2	Yes	Target contract number.
p_contract_number_modifier	VARCHAR2	Yes	Target contract number modifier.
p_to_template_yn	VARCHAR2	Yes	Y/N flag to indicate whether or not target contract is a template.
p_renew_ref_yn	VARCHAR2	Yes	Y/N flag to indicate whether or not to renew references. Note: Use the default value of N for lease contracts.
p_copy_lines_yn	VARCHAR2	Yes	Y/N flag to indicate whether to copy contract lines.
p_override_org	VARCHAR2	Yes	Y/N flag to indicate whether or not target contract can be created for an operating unit different from the source contract's operating unit. Note: The default value is Y.
p_trans_type	VARCHAR2		Transaction type to indicate type of copy. CFA - Contract copy; CRB - Contract copy for rebooking; CRL - contract copy for re-leasing.

OUT Parameters

Table 21–36 COPY_CONTRACT OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_chr_id	NUMBER	Yes	Contract ID of the target contract.

21.1.2.7 COPY_PARTY_ROLES

Procedure Specification

```
Procedure COPY_PARTY_ROLES
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data            OUT     VARCHAR2,
    p_cpl_id              IN      NUMBER,
    p_cle_id              IN      NUMBER,
    p_chr_id              IN      NUMBER,
    p_rle_code            IN      VARCHAR2,
    x_cpl_id              OUT     NUMBER
);
```

Current Version

1.0

IN Parameters

Table 21–37 COPY_PARTY_ROLES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_cpl_id	NUMBER	Yes	Source contract party role line ID.
p_cle_id	NUMBER	Yes	Target contract line ID.
p_chr_id	NUMBER	Yes	Target contract ID.
p_rle_code	VARCHAR2	Yes	Target role code.

OUT Parameters

Table 21–38 COPY_PARTY_ROLES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_cpl_id	NUMBER	Yes	Target contract party role line ID.

21.1.2.8 COPY_RULES

Procedure Specification

```
Procedure COPY_RULES
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
```

```
p_rgp_id            IN      NUMBER,  
p_cle_id            IN      NUMBER,  
p_chr_id            IN      NUMBER,  
p_to_template_yn    IN      VARCHAR2,  
x_rgp_id            OUT     NUMBER  
);
```

Current Version

1.0

IN Parameters

Table 21–39 COPY_RULES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_rgp_id	NUMBER	Yes	Source rule group record ID.
p_cle_id	NUMBER	Yes	Target contract line ID.
p_chr_id	NUMBER	Yes	Target contract ID.
p_to_template_yn	VARCHAR2	Yes	Y/N flag indicating whether or not the target rule group will be a template.

OUT Parameters

Table 21–40 COPY_RULES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_rgp_id	NUMBER	Yes	Target rule group record ID.

21.2 Set Up Asset Lines

The Set Up Asset Lines part of Contract Authoring public APIs in Oracle Lease Management includes:

- [Package OKL_COPY_ASSET_PUB](#) on page 21-33

21.2.1 Package OKL_COPY_ASSET_PUB

This package contains the following procedures:

- [COPY_ALL_LINES](#) on page 21-33
- [COPY_ASSET_LINES \(Overloaded\)](#) on page 21-35

21.2.1.1 COPY_ALL_LINES

Procedure Specification

Procedure COPY_ALL_LINES

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_from_cle_id_tbl      IN      OKL_KLE_PVT.KLEV_TBL_TYPE,
  p_to_cle_id             IN      NUMBER,
  p_to_chr_id             IN      NUMBER,
  p_to_template_yn       IN      VARCHAR2,
  p_copy_reference        IN      VARCHAR2,
  p_copy_line_party_yn   IN      VARCHAR2,
  p_renew_ref_yn         IN      VARCHAR2,
  p_trans_type            IN      VARCHAR2,
  x_cle_id_tbl            OUT     OKL_KLE_PVT.KLEV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 21–41 COPY_ALL_LINES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_from_cle_id_tbl	OKL_KLE_ PVT.KLEV_TBL_ TYPE	Yes	Table of line ID to be copied from.
p_to_cle_id	NUMBER	Yes	Copy to line ID.
p_to_chr_id	NUMBER	Yes	Copy to contract header ID.
p_to_template_yn	VARCHAR2	Yes	Copy to template Y/N.
p_copy_reference	VARCHAR2	Yes	Copy reference.
p_copy_line_party_yn	VARCHAR2	Yes	Indicate whether or not to copy party lines.
p_renew_ref_yn	VARCHAR2	Yes	Indicate whether or not to renew reference.
p_trans_type	VARCHAR2	Yes	Transaction type.

OUT Parameters

Table 21–42 COPY_ALL_LINES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_cle_id_tbl	OKL_KLE_ PVT.KLEV_TBL_ TYPE	Yes	Table of copied line ID.

21.2.1.2 COPY_ASSET_LINES (Overloaded)

This overloaded procedure includes:

- [COPY_ASSET_LINES](#) on page 21-35
- [COPY_ASSET_LINES](#) on page 21-36

COPY_ASSET_LINES

Procedure Specification

Procedure COPY_ASSET_LINES

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_from_cle_id           IN      NUMBER,
  p_to_cle_id             IN      NUMBER,
  p_to_chr_id             IN      NUMBER,
  p_to_template_yn        IN      VARCHAR2,
  p_copy_reference        IN      VARCHAR2,
  p_copy_line_party_yn    IN      VARCHAR2,
  p_renew_ref_yn          IN      VARCHAR2,
  p_trans_type            IN      VARCHAR2,
  x_cle_id                OUT     NUMBER
);
```

Current Version

1.0

IN Parameters

Table 21–43 COPY_ASSET_LINES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 21–43 COPY_ASSET_LINES IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_from_cle_id	NUMBER	Yes	Contract line ID from which to copy.
p_to_cle_id	NUMBER	Yes	Copy to contract line ID.
p_to_chr_id	NUMBER	Yes	Copy to contract header ID.
p_to_template_yn	VARCHAR2	Yes	Template or not.
p_copy_reference	VARCHAR2	Yes	Copy reference or not.
p_copy_line_party_yn	VARCHAR2	Yes	Copy party line or not.
p_renew_ref_yn	VARCHAR2	Yes	Renew reference or not.
p_trans_type	VARCHAR2	Yes	Transaction type.

OUT Parameters

Table 21–44 COPY_ASSET_LINES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_cle_id	NUMBER	Yes	Copied contract line ID.

COPY_ASSET_LINES

Procedure Specification

Procedure COPY_ASSET_LINES

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_from_cle_id_tbl       IN      OKL_KLE_PVT.KLEV_TBL_TYPE,
```

```

p_to_cle_id           IN      NUMBER,
p_to_chr_id           IN      NUMBER,
p_to_template_yn      IN      VARCHAR2,
p_copy_reference      IN      VARCHAR2,
p_copy_line_party_yn  IN      VARCHAR2,
p_renew_ref_yn        IN      VARCHAR2,
p_trans_type          IN      VARCHAR2,
x_cle_id_tbl          OUT     OKL_KLE_PVT.KLEV_TBL_TYPE
);

```

Current Version

1.0

IN Parameters

Table 21–45 COPY_ASSET_LINES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_from_cle_id_tbl	OKL_KLE_PVT.KLEV_TBL_TYPE	Yes	Table of contract line ID from which to be copy.
p_to_cle_id	NUMBER	Yes	Copy to contract line ID.
p_to_chr_id	NUMBER	Yes	Copy to contract header ID.
p_to_template_yn	VARCHAR2	Yes	Template or not.
p_copy_reference	VARCHAR2	Yes	Copy reference or not.
p_copy_line_party_yn	VARCHAR2	Yes	Indicate whether or not to copy party lines.
p_renew_ref_yn	VARCHAR2	Yes	Indicate whether or not to renew reference.
p_trans_type	VARCHAR2	Yes	Transaction type.

OUT Parameters

Table 21–46 COPY_ASSET_LINES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_cle_id_tbl	OKL_KLE_PVT.KLEV_TBL_TYPE	Yes	Table of copied contract line ID.

21.3 Set Up Contract Lines

The Set Up Contract Lines part of Contract Authoring public APIs in Oracle Lease Management includes:

- [Package OKL_CREATE_KLE_PUB](#) on page 21-38

21.3.1 Package OKL_CREATE_KLE_PUB

This package contains the following procedures:

- [CREATE_ADD_ON_LINE](#) on page 21-39
- [CREATE_ALL_LINE](#) on page 21-41
- [CREATE_ASSET_LINE_DETAILS](#) on page 21-43
- [CREATE_INTS_IB_LINE](#) on page 21-44
- [CREATE_PARTY_ROLES_REC](#) on page 21-46
- [DELETE_ADD_ON_LINE](#) on page 21-48
- [DELETE_INTS_IB_LINE](#) on page 21-49
- [UPDATE_ADD_ON_LINE](#) on page 21-51
- [UPDATE_ALL_LINE](#) on page 21-53
- [UPDATE_ASSET_LINE_DETAILS](#) on page 21-56
- [UPDATE_FIN_CAP_COST](#) on page 21-57

- [UPDATE_INTS_IB_LINE](#) on page 21-59
- [UPDATE_PARTY_ROLES_REC](#) on page 21-60

21.3.1.1 CREATE_ADD_ON_LINE

Procedure Specification

Procedure CREATE_ADD_ON_LINE

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_new_yn               IN      VARCHAR2,
  p_asset_number         IN      VARCHAR2,
  p_clev_tbl             IN      OKL_OKC_MIGRATION_PVT.CLEV_TBL_TYPE,
  p_klev_tbl             IN      OKL_KLE_PVT.KLEV_TBL_TYPE,
  p_cimv_tbl             IN      OKL_OKC_MIGRATION_PVT.CIMV_TBL_TYPE,
  x_clev_tbl             OUT     OKL_OKC_MIGRATION_PVT.CLEV_TBL_TYPE,
  x_klev_tbl             OUT     OKL_KLE_PVT.KLEV_TBL_TYPE,
  x_fin_clev_rec         OUT     OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE,
  x_fin_klev_rec         OUT     OKL_KLE_PVT.KLEV_REC_TYPE,
  x_cimv_tbl            OUT     OKL_OKC_MIGRATION_PVT.CIMV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 21–47 CREATE_ADD_ON_LINE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_new_yn	VARCHAR2	Yes	New Yes or No.
p_asset_number	VARCHAR2	Yes	Asset Number.

Table 21–47 CREATE_ADD_ON_LINE IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_clev_tbl	OKL_OKC_ MIGRATION_ PVT.CLEV_TBL_ TYPE	Yes	Table of OKC contract lines.
p_klev_tbl	OKL_KLE_ PVT.KLEV_TBL_ TYPE	Yes	Table of OKL contract lines.
p_cimv_tbl	OKL_OKC_ MIGRATION_ PVT.CIMV_TBL_ TYPE	Yes	Table of items.

OUT Parameters**Table 21–48 CREATE_ADD_ON_LINE OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_clev_tbl	OKL_OKC_ MIGRATION_ PVT.CLEV_TBL_ TYPE	Yes	Table of OKC lines.
x_klev_tbl	OKL_KLE_ PVT.KLEV_TBL_ TYPE	Yes	Table of OKL lines.
x_fin_clev_rec	OKL_OKC_ MIGRATION_ PVT.CLEV_REC_ TYPE	Yes	Table of OKC financial asset line.
x_fin_klev_rec	OKL_KLE_ PVT.KLEV_REC_ TYPE	Yes	Table of OKC financial asset line.

Table 21–48 CREATE_ADD_ON_LINE OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_cimv_tbl	OKL_OKC_MIGRATION_PVT.CIMV_TBL_TYPE	Yes	Table of items.

21.3.1.2 CREATE_ALL_LINE

Procedure Specification

Procedure CREATE_ALL_LINE

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_new_yn                IN      VARCHAR2,
  p_asset_number          IN      VARCHAR2,
  p_clev_fin_rec           IN      OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE,
  p_klev_fin_rec           IN      OKL_KLE_PVT.KLEV_REC_TYPE,
  p_cimv_model_rec         IN      OKL_OKC_MIGRATION_PVT.CIMV_REC_TYPE,
  p_clev_fa_rec            IN      OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE,
  p_cimv_fa_rec            IN      OKL_OKC_MIGRATION_PVT.CIMV_REC_TYPE,
  p_talv_fa_rec            IN      OKL_TAL_PVT.TALV_REC_TYPE,
  p_itiv_ib_tbl           IN      OKL_ITI_PVT.ITIV_TBL_TYPE,
  x_clev_fin_rec           OUT     OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE,
  x_clev_model_rec         OUT     OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE,
  x_clev_fa_rec            OUT     OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE,
  x_clev_ib_rec            OUT     OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE
);
```

Current Version

1.0

IN Parameters**Table 21–49 CREATE_ALL_LINE IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_new_yn	VARCHAR2	Yes	New Yes or No.
p_asset_number	VARCHAR2	Yes	Asset number.
p_clev_fin_rec	OKL_OKC_ MIGRATION_ PVT.CLEV_REC_ TYPE	Yes	Table of OKC financial asset lines.
p_klev_fin_rec	OKL_KLE_ PVT.KLEV_REC_ TYPE	Yes	Table of OKL financial asset lines.
p_cimv_model_rec	OKL_OKC_ MIGRATION_ PVT.CIMV_REC_ TYPE	Yes	Table of Model line.
p_clev_fa_rec	OKL_OKC_ MIGRATION_ PVT.CLEV_REC_ TYPE	Yes	Table of OKC fixed asset lines.
p_cimv_fa_rec	OKL_OKC_ MIGRATION_ PVT.CIMV_REC_ TYPE	Yes	Table of OKC fixed asset lines.
p_talv_fa_rec	OKL_TAL_ PVT.TALV_REC_ TYPE	Yes	Table of asset transactions.
p_itiv_ib_tbl	OKL_ITI_PVT.ITIV_ TBL_TYPE	Yes	Table of Install Base details.

OUT Parameters

Table 21–50 CREATE_ALL_LINE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_clev_fin_rec	OKL_OKC_ MIGRATION_ PVT.CLEV_REC_ TYPE	Yes	Table of OKC financial asset lines.
x_clev_model_rec	OKL_OKC_ MIGRATION_ PVT.CLEV_REC_ TYPE	Yes	Table of OKC model lines.
x_clev_fa_rec	OKL_OKC_ MIGRATION_ PVT.CLEV_REC_ TYPE	Yes	Table of OKC fixed asset lines.
x_clev_ib_rec	OKL_OKC_ MIGRATION_ PVT.CLEV_REC_ TYPE	Yes	Table of Install Base details.

21.3.1.3 CREATE_ASSET_LINE_DETAILS

Procedure Specification

Procedure CREATE_ASSET_LINE_DETAILS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data            OUT     VARCHAR2,
  p_txdv_tbl            IN      OKL_ASD_PVT.ASDV_TBL_TYPE,
  x_txdv_tbl            OUT     OKL_ASD_PVT.ASDV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 21–51 CREATE_ASSET_LINE_DETAILS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_txdv_tbl	OKL_ASD_PVT.ASDV_TBL_TYPE	Yes	Table of view OKL_TXD_ASSETS_V.

OUT Parameters

Table 21–52 CREATE_ASSET_LINE_DETAILS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_txdv_tbl	OKL_ASD_PVT.ASDV_TBL_TYPE	Yes	Table of view OKL_TXD_ASSETS_V.

21.3.1.4 CREATE_INTS_IB_LINE

Procedure Specification

```
Procedure CREATE_INTS_IB_LINE
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
```

```

x_return_status          OUT      VARCHAR2,
x_msg_count              OUT      NUMBER,
x_msg_data                OUT      VARCHAR2,
p_new_yn                  IN       VARCHAR2,
p_asset_number            IN       VARCHAR2,
p_current_units           IN       NUMBER,
p_clev_ib_rec             IN       OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE,
p_itiv_ib_tbl             IN       OKL_ITI_PVT.ITIV_TBL_TYPE,
x_clev_ib_tbl             OUT      OKL_OKC_MIGRATION_PVT.CLEV_TBL_TYPE,
x_itiv_ib_tbl            OUT      OKL_ITI_PVT.ITIV_TBL_TYPE,
x_clev_fin_rec            OUT      OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE,
x_klev_fin_rec            OUT      OKL_KLE_PVT.KLEV_REC_TYPE,
x_cimv_model_rec          OUT      OKL_OKC_MIGRATION_PVT.CIMV_REC_TYPE,
x_cimv_fa_rec             OUT      OKL_OKC_MIGRATION_PVT.CIMV_REC_TYPE,
x_talv_fa_rec             OUT      OKL_TALV_PVT.TALV_REC_TYPE
);

```

Current Version

1.0

IN Parameters

Table 21–53 CREATE_INTS_IB_LINE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_new_yn	VARCHAR2	Yes	New Yes or No.
p_asset_number	VARCHAR2	Yes	Asset number.
p_current_units	NUMBER	Yes	Current units.
p_clev_ib_rec	OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE	Yes	Table of Install Base details.
p_itiv_ib_tbl	OKL_ITI_PVT.ITIV_TBL_TYPE	Yes	Table of OKL_TXL_ITM_INSTS.

OUT Parameters**Table 21–54 CREATE_INTS_IB_LINE OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_clev_ib_tbl	OKL_OKC_ MIGRATION_ PVT.CLEV_TBL_ TYPE	Yes	Table of OKL_TXL_ITM_ INSTS.
x_itiv_ib_tbl	OKL_ITI_PVT.ITIV_ TBL_TYPE	Yes	Table of OKL_TXL_ITM_ INSTS.
x_clev_fin_rec	OKL_OKC_ MIGRATION_ PVT.CLEV_REC_ TYPE	Yes	Table of OKC financial asset lines.
x_klev_fin_rec	OKL_KLE_ PVT.KLEV_REC_ TYPE	Yes	Table of OKL financial asset lines.
x_cimv_model_rec	OKL_OKC_ MIGRATION_ PVT.CIMV_REC_ TYPE	Yes	Table of model lines.
x_cimv_fa_rec	OKL_OKC_ MIGRATION_ PVT.CIMV_REC_ TYPE	Yes	Table of items.
x_talv_fa_rec	OKL_TAL_ PVT.TALV_REC_ TYPE	Yes	Table of OKL_TXL_ASSETS_V.

21.3.1.5 CREATE_PARTY_ROLES_REC**Procedure Specification**

Procedure CREATE_PARTY_ROLES_REC

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_cplv_rec             IN      OKL_OKC_MIGRATION_PVT.CPLV_REC_TYPE,
  x_cplv_rec             OUT     OKL_OKC_MIGRATION_PVT.CPLV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 21–55 CREATE_PARTY_ROLES_REC IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_cplv_rec	OKL_OKC_MIGRATION_PVT.CPLV_REC_TYPE	Yes	Party role record.

OUT Parameters

Table 21–56 CREATE_PARTY_ROLES_REC OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Table 21–56 CREATE_PARTY_ROLES_REC OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_cplv_rec	OKL_OKC_MIGRATION_PVT.CPLV_REC_TYPE	Yes	Party role record.

21.3.1.6 DELETE_ADD_ON_LINE

Procedure Specification

```
Procedure DELETE_ADD_ON_LINE
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_new_yn               IN      VARCHAR2,
  p_asset_number         IN      VARCHAR2,
  p_clev_tbl             IN      OKL_OKC_MIGRATION_PVT.CLEV_TBL_TYPE,
  p_klev_tbl             IN      OKL_KLE_PVT.KLEV_TBL_TYPE,
  x_fin_clev_rec         OUT     OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE,
  x_fin_klev_rec         OUT     OKL_KLE_PVT.KLEV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 21–57 DELETE_ADD_ON_LINE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_new_yn	VARCHAR2	Yes	New Yes or No.
p_asset_number	VARCHAR2	Yes	Asset number.

Table 21–57 DELETE_ADD_ON_LINE IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_clev_tbl	OKL_OKC_ MIGRATION_ PVT.CLEV_TBL_ TYPE	Yes	Table of OKC financial asset line.
p_klev_tbl	OKL_KLE_ PVT.KLEV_TBL_ TYPE	Yes	Table of OKL financial asset line.

OUT Parameters

Table 21–58 DELETE_ADD_ON_LINE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_fin_clev_rec	OKL_OKC_ MIGRATION_ PVT.CLEV_REC_ TYPE	Yes	Table of OKC financial asset line.
x_fin_klev_rec	OKL_KLE_ PVT.KLEV_REC_ TYPE	Yes	Table of OKL financial asset line.

21.3.1.7 DELETE_INTS_IB_LINE

Procedure Specification

Procedure DELETE_INTS_IB_LINE

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_new_yn                IN      VARCHAR2,
```

```

p_asset_number          IN      VARCHAR2,
p_clev_ib_tbl           IN      OKL_OKC_MIGRATION_PVT.CLEV_TBL_TYPE,
x_clev_fin_rec          OUT     OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE,
x_klev_fin_rec          OUT     OKL_KLE_PVT.KLEV_REC_TYPE,
x_cimv_model_rec        OUT     OKL_OKC_MIGRATION_PVT.CIMV_REC_TYPE,
x_cimv_fa_rec           OUT     OKL_OKC_MIGRATION_PVT.CIMV_REC_TYPE,
x_talv_fa_rec           OUT     OKL_TAL_PVT.TALV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 21–59 DELETE_INTS_IB_LINE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_new_yn	VARCHAR2	Yes	New Yes or No.
p_asset_number	VARCHAR2	Yes	Asset number.
p_clev_ib_tbl	OKL_OKC_MIGRATION_PVT.CLEV_TBL_TYPE	Yes	Table of Install Base details.

OUT Parameters

Table 21–60 DELETE_INTS_IB_LINE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Table 21–60 DELETE_INTS_IB_LINE OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_clev_fin_rec	OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE	Yes	Record of OKC financial line.
x_klev_fin_rec	OKL_KLE_PVT.KLEV_REC_TYPE	Yes	Record of OKL financial line.
x_cimv_model_rec	OKL_OKC_MIGRATION_PVT.CIMV_REC_TYPE	Yes	Record of model line.
x_cimv_fa_rec	OKL_OKC_MIGRATION_PVT.CIMV_REC_TYPE	Yes	Record of fixed asset line.
x_talv_fa_rec	OKL_TAL_PVT.TALV_REC_TYPE	Yes	Record of fixed asset line.

21.3.1.8 UPDATE_ADD_ON_LINE

Procedure Specification

Procedure UPDATE_ADD_ON_LINE

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_new_yn               IN      VARCHAR2,
  p_asset_number         IN      VARCHAR2,
  p_clev_tbl             IN      OKL_OKC_MIGRATION_PVT.CLEV_TBL_TYPE,
  p_klev_tbl             IN      OKL_KLE_PVT.KLEV_TBL_TYPE,
  p_cimv_tbl             IN      OKL_OKC_MIGRATION_PVT.CIMV_TBL_TYPE,
  x_clev_tbl             OUT     OKL_OKC_MIGRATION_PVT.CLEV_TBL_TYPE,
  x_klev_tbl             OUT     OKL_KLE_PVT.KLEV_TBL_TYPE,
  x_cimv_tbl             OUT     OKL_OKC_MIGRATION_PVT.CIMV_TBL_TYPE,
  x_fin_clev_rec         OUT     OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE,
  x_fin_klev_rec         OUT     OKL_KLE_PVT.KLEV_REC_TYPE
)
```

);

Current Version

1.0

IN Parameters

Table 21–61 UPDATE_ADD_ON_LINE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_new_yn	VARCHAR2	Yes	New Yes or No.
p_asset_number	VARCHAR2	Yes	Asset Number.
p_clev_tbl	OKL_OKC_MIGRATION_PVT.CLEV_TBL_TYPE	Yes	Table of OKC financial line.
p_klev_tbl	OKL_KLE_PVT.KLEV_TBL_TYPE	Yes	Table of OKL financial line.
p_cimv_tbl	OKL_OKC_MIGRATION_PVT.CIMV_TBL_TYPE	Yes	Table of items.

OUT Parameters

Table 21–62 UPDATE_ADD_ON_LINE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 21–62 UPDATE_ADD_ON_LINE OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_clev_tbl	OKL_OKC_ MIGRATION_ PVT.CLEV_TBL_ TYPE	Yes	Table of OKC financial line.
x_klev_tbl	OKL_KLE_ PVT.KLEV_TBL_ TYPE	Yes	Table of OKL financial line.
x_cimv_tbl	OKL_OKC_ MIGRATION_ PVT.CIMV_TBL_ TYPE	Yes	Table of items.
x_fin_clev_rec	OKL_OKC_ MIGRATION_ PVT.CLEV_REC_ TYPE	Yes	Table of OKC financial line.
x_fin_klev_rec	OKL_KLE_ PVT.KLEV_REC_ TYPE	Yes	Table of OKL financial line.

21.3.1.9 UPDATE_ALL_LINE

Procedure Specification

Procedure UPDATE_ALL_LINE

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_new_yn              IN      VARCHAR2,
  p_asset_number         IN      VARCHAR2,
  p_clev_fin_rec         IN      OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE,
  p_klev_fin_rec         IN      OKL_KLE_PVT.KLEV_REC_TYPE,
  p_clev_model_rec       IN      OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE,
  p_cimv_model_rec       IN      OKL_OKC_MIGRATION_PVT.CIMV_REC_TYPE,
  p_clev_fa_rec          IN      OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE,
  p_cimv_fa_rec          IN      OKL_OKC_MIGRATION_PVT.CIMV_REC_TYPE,
```

```
p_talv_fa_rec          IN      OKL_TAL_PVT.TALV_REC_TYPE,  
p_clev_ib_rec          IN      OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE,  
p_itiv_ib_rec          IN      OKL_ITI_PVT.ITIV_REC_TYPE,  
x_clev_fin_rec         OUT     OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE,  
x_clev_model_rec       OUT     OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE,  
x_clev_fa_rec          OUT     OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE,  
x_clev_ib_rec          OUT     OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 21–63 UPDATE_ALL_LINE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_new_yn	VARCHAR2	Yes	New Yes or No.
p_asset_number	VARCHAR2	Yes	Asset number.
p_clev_fin_rec	OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE	Yes	Record of OKC financial line.
p_klev_fin_rec	OKL_KLE_PVT.KLEV_REC_TYPE	Yes	Record of OKL financial line.
p_clev_model_rec	OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE	Yes	Record of model line.
p_cimv_model_rec	OKL_OKC_MIGRATION_PVT.CIMV_REC_TYPE	Yes	Record of item.

Table 21–63 UPDATE_ALL_LINE IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_clev_fa_rec	OKL_OKC_ MIGRATION_ PVT.CLEV_REC_ TYPE	Yes	Record of OKC fixed asset line.
p_cimv_fa_rec	OKL_OKC_ MIGRATION_ PVT.CIMV_REC_ TYPE	Yes	Record of items.
p_talv_fa_rec	OKL_TAL_ PVT.TALV_REC_ TYPE	Yes	Record of OKL_TXL_ASSETS_ V.
p_clev_ib_rec	OKL_OKC_ MIGRATION_ PVT.CLEV_REC_ TYPE	Yes	Record of Install Base line.
p_itiv_ib_rec	OKL_ITI_PVT.ITIV_ REC_TYPE	Yes	Record of OKL_TXL_ITM_ INSTS.

OUT Parameters**Table 21–64 UPDATE_ALL_LINE OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_clev_fin_rec	OKL_OKC_ MIGRATION_ PVT.CLEV_REC_ TYPE	Yes	Record of OKC financial line.
x_clev_model_rec	OKL_OKC_ MIGRATION_ PVT.CLEV_REC_ TYPE	Yes	Record of model line.

Table 21–64 UPDATE_ALL_LINE OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_clev_fa_rec	OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE	Yes	Record of OKC fixed asset line.
x_clev_ib_rec	OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE	Yes	Record of Install Base line.

21.3.1.10 UPDATE_ASSET_LINE_DETAILS

Procedure Specification

```
Procedure UPDATE_ASSET_LINE_DETAILS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_txdv_tbl              IN      OKL_ASD_PVT.ASDV_TBL_TYPE,
    x_txdv_tbl              OUT     OKL_ASD_PVT.ASDV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 21–65 UPDATE_ASSET_LINE_DETAILS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 21–65 UPDATE_ASSET_LINE_DETAILS IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_txdv_tbl	OKL_ASD_ PVT.ASDV_TBL_ TYPE	Yes	Table of OKL_TXD_ASSETS_ V.

OUT Parameters**Table 21–66 UPDATE_ASSET_LINE_DETAILS OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_txdv_tbl	OKL_ASD_ PVT.ASDV_TBL_ TYPE	Yes	Table of OKL_TXD_ASSETS_ V.

21.3.1.11 UPDATE_FIN_CAP_COST**Procedure Specification**

Procedure UPDATE_FIN_CAP_COST

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_new_yn                IN      VARCHAR2,
  p_asset_number          IN      VARCHAR2,
  p_clev_rec               IN      OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE,
  p_klev_rec               IN      OKL_KLE_PVT.KLEV_REC_TYPE,
  x_clev_rec               OUT     OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE,
  x_klev_rec               OUT     OKL_KLE_PVT.KLEV_REC_TYPE
);
```

Current Version

1.0

IN Parameters**Table 21–67 UPDATE_FIN_CAP_COST IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_new_yn	VARCHAR2	Yes	New Yes or No.
p_asset_number	VARCHAR2	Yes	Asset number.
p_clev_rec	OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE	Yes	Record of OKC financial asset line.
p_klev_rec	OKL_KLE_PVT.KLEV_REC_TYPE	Yes	Record of OKL financial asset line.

OUT Parameters**Table 21–68 UPDATE_FIN_CAP_COST OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_clev_rec	OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE	Yes	Record of OKC financial asset line.

Table 21–68 UPDATE_FIN_CAP_COST OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_klev_rec	OKL_KLE_ PVT.KLEV_REC_ TYPE	Yes	Record of OKL financial asset line.

21.3.1.12 UPDATE_INTS_IB_LINE

Procedure Specification

Procedure UPDATE_INTS_IB_LINE

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_new_yn                IN      VARCHAR2,
  p_asset_number          IN      VARCHAR2,
  p_top_line_id           IN      NUMBER,
  p_dnz_chr_id            IN      NUMBER,
  p_itiv_ib_tbl           IN      OKL_ITI_PVT.ITIV_TBL_TYPE,
  x_clev_ib_tbl           OUT     OKL_OKC_MIGRATION_PVT.CLEV_TBL_TYPE,
  x_itiv_ib_tbl           OUT     OKL_ITI_PVT.ITIV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 21–69 UPDATE_INTS_IB_LINE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_new_yn	VARCHAR2	Yes	New Yes or No.

Table 21–69 UPDATE_INTS_IB_LINE IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_asset_number	VARCHAR2	Yes	Asset Number.
p_top_line_id	NUMBER	Yes	Top line ID.
p_dnz_chr_id	NUMBER	Yes	Contract header ID.
p_itiv_ib_tbl	OKL_ITI_PVT.ITIV_TBL_TYPE	Yes	Table of OKL_TXL_ITM_INSTS.

OUT Parameters

Table 21–70 UPDATE_INTS_IB_LINE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_clev_ib_tbl	OKL_OKC_MIGRATION_PVT.CLEV_TBL_TYPE	Yes	Table of Install Base details.
x_itiv_ib_tbl	OKL_ITI_PVT.ITIV_TBL_TYPE	Yes	Table of OKL_TXL_ITM_INSTS.

21.3.1.13 UPDATE_PARTY_ROLES_REC

Procedure Specification

```
Procedure UPDATE_PARTY_ROLES_REC
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_cplv_rec             IN      OKL_OKC_MIGRATION_PVT.CPLV_REC_TYPE,
    x_cplv_rec             OUT     OKL_OKC_MIGRATION_PVT.CPLV_REC_TYPE
```

);

Current Version

1.0

IN Parameters

Table 21–71 UPDATE_PARTY_ROLES_REC IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_cplv_rec	OKL_OKC_ MIGRATION_ PVT.CPLV_REC_ TYPE	Yes	Record of product detail.

OUT Parameters

Table 21–72 UPDATE_PARTY_ROLES_REC OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_cplv_rec	OKL_OKC_ MIGRATION_ PVT.CPLV_REC_ TYPE	Yes	Record product detail.

21.4 Book the Contract

The Book the Contract part of Contract Authoring public APIs in Oracle Lease Management includes:

- [Package OKL_CASE_UTIL_PUB](#) on page 21-62
- [Package OKL_CONTRACT_BOOK_PUB](#) on page 21-63
- [Package OKL_CONTRACT_STATUS_PUB](#) on page 21-69
- [Package OKL_QA_CHECK_PUB](#) on page 21-74
- [Package OKL_RULE_APIS_PUB](#) on page 21-75
- [Package OKL_RULE_EXTRACT_PUB](#) on page 21-87

21.4.1 Package OKL_CASE_UTIL_PUB

This package contains the following procedure:

- [CREATE_CASE](#) on page 21-62

21.4.1.1 CREATE_CASE

Procedure Specification

Procedure CREATE_CASE

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  p_contract_id           IN      NUMBER,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 21–73 CREATE_CASE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_contract_id	NUMBER	Yes	Contract ID for which to create a case.

OUT Parameters

Table 21–74 CREATE_CASE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

21.4.2 Package OKL_CONTRACT_BOOK_PUB

This package contains the following procedures:

- [ACTIVATE_CONTRACT](#) on page 21-63
- [EXECUTE_QA_CHECK_LIST](#) on page 21-65
- [GENERATE_JOURNAL_ENTRIES](#) on page 21-66
- [GENERATE_STREAMS](#) on page 21-67
- [SUBMIT_FOR_APPROVAL](#) on page 21-68

21.4.2.1 ACTIVATE_CONTRACT

Procedure Specification

Procedure `ACTIVATE_CONTRACT`

```
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_chr_id              IN      VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 21–75 ACTIVATE_CONTRACT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_chr_id	VARCHAR2	Yes	Contract ID of the activated contract.

OUT Parameters

Table 21–76 ACTIVATE_CONTRACT OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

21.4.2.2 EXECUTE_QA_CHECK_LIST

Procedure Specification

```
Procedure EXECUTE_QA_CHECK_LIST
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_qcl_id               IN      NUMBER,
    p_chr_id               IN      NUMBER,
    x_msg_tbl              OUT     OKL_QA_CHECK_PUB.MSG_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 21-77 EXECUTE_QA_CHECK_LIST IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_qcl_id	NUMBER	Yes	Quality Assurance checklist ID.
p_chr_id	NUMBER	Yes	Contract ID.

OUT Parameters

Table 21-78 EXECUTE_QA_CHECK_LIST OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Table 21–78 EXECUTE_QA_CHECK_LIST OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_tbl	OKL_QA_CHECK_PUB.MSG_TBL_TYPE	Yes	Table of quality assurance checklist output messages.

21.4.2.3 GENERATE_JOURNAL_ENTRIES

Procedure Specification

Procedure GENERATE_JOURNAL_ENTRIES

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  p_commit                IN      VARCHAR2,
  p_contract_id           IN      NUMBER,
  p_transaction_type      IN      VARCHAR2,
  p_draft_yn              IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 21–79 GENERATE_JOURNAL_ENTRIES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 21–79 GENERATE_JOURNAL_ENTRIES IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_commit	VARCHAR2	Yes	Y or N flag to indicate whether or not to commit after calling this procedure.
p_contract_id	NUMBER	Yes	Contract ID.
p_transaction_type	VARCHAR2	Yes	Transaction type. This could be any valid transaction type, such as Booking or Rebooking.
p_draft_yn	VARCHAR2	Yes	Y or N flag to indicate whether or not to require draft or final accounting entries.

OUT Parameters

Table 21–80 GENERATE_JOURNAL_ENTRIES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

21.4.2.4 GENERATE_STREAMS

Procedure Specification

Procedure GENERATE_STREAMS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  p_chr_id               IN      VARCHAR2,
  p_generation_context   IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 21–81 GENERATE_STREAMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_chr_id	VARCHAR2	Yes	Contract ID.
p_generation_context	VARCHAR2	Yes	Stream generation context. This is always Booking from contract booking.

OUT Parameters

Table 21–82 GENERATE_STREAMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

21.4.2.5 SUBMIT_FOR_APPROVAL

This procedure submits the contract for approval.

Procedure Specification

```
Procedure SUBMIT_FOR_APPROVAL
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
```

```
p_chr_id                IN      VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 21–83 SUBMIT_FOR_APPROVAL IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_chr_id	VARCHAR2	Yes	Contract ID.

OUT Parameters

Table 21–84 SUBMIT_FOR_APPROVAL OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

21.4.3 Package OKL_CONTRACT_STATUS_PUB

This package contains the following procedures:

- [CASCADE_LEASE_STATUS](#) on page 21-70
- [CASCADE_LEASE_STATUS_EDIT](#) on page 21-71
- [GET_CONTRACT_STATUS](#) on page 21-72
- [UPDATE_CONTRACT_STATUS](#) on page 21-73

21.4.3.1 CASCADE_LEASE_STATUS

Procedure Specification

```
Procedure CASCADE_LEASE_STATUS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_chr_id               IN      NUMBER
);
```

Current Version

1.0

IN Parameters

Table 21–85 CASCADE_LEASE_STATUS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_chr_id	NUMBER	Yes	Contract ID.

OUT Parameters

Table 21–86 CASCADE_LEASE_STATUS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

21.4.3.2 CASCADE_LEASE_STATUS_EDIT

Procedure Specification

Procedure CASCADE_LEASE_STATUS_EDIT

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_chr_id              IN      NUMBER
);
```

Current Version

1.0

IN Parameters

Table 21–87 CASCADE_LEASE_STATUS_EDIT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_chr_id	NUMBER	Yes	Contract ID.

OUT Parameters

Table 21–88 CASCADE_LEASE_STATUS_EDIT OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

21.4.3.3 GET_CONTRACT_STATUS

Procedure Specification

```
Procedure GET_CONTRACT_STATUS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  x_isallowed            OUT     PL/SQL BOOLEAN,
  x_passtatus            OUT     VARCHAR2,
  x_failstatus           OUT     VARCHAR2,
  p_event               IN      VARCHAR2,
  p_chr_id              IN      VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 21–89 GET_CONTRACT_STATUS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_event	VARCHAR2	Yes	Event name.
p_chr_id	VARCHAR2	Yes	Contract ID.

OUT Parameters

Table 21–90 GET_CONTRACT_STATUS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Table 21–90 GET_CONTRACT_STATUS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_isallowed	PL/SQL BOOLEAN	Yes	True or False.
x_passstatus	VARCHAR2	Yes	Passed status.
x_failstatus	VARCHAR2	Yes	Failed status.

21.4.3.4 UPDATE_CONTRACT_STATUS

Procedure Specification

```
Procedure UPDATE_CONTRACT_STATUS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_khr_status            IN      VARCHAR2,
    p_chr_id               IN      VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 21–91 UPDATE_CONTRACT_STATUS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_khr_status	VARCHAR2	Yes	Target contract status.

Table 21–91 UPDATE_CONTRACT_STATUS IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_chr_id	VARCHAR2	Yes	Contract ID.

OUT Parameters

Table 21–92 UPDATE_CONTRACT_STATUS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

21.4.4 Package OKL_QA_CHECK_PUB

This package contains the following procedure:

- [EXECUTE_QA_CHECK_LIST](#) on page 21-74

21.4.4.1 EXECUTE_QA_CHECK_LIST

Procedure Specification

```
Procedure EXECUTE_QA_CHECK_LIST
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_qcl_id                IN      NUMBER,
    p_chr_id                IN      NUMBER,
    x_msg_tbl               OUT     OKL_QA_CHECK_PUB.MSG_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 21–93 EXECUTE_QA_CHECK_LIST IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_qcl_id	NUMBER	Yes	QA checklist ID.
p_chr_id	NUMBER	Yes	Contract ID.

OUT Parameters

Table 21–94 EXECUTE_QA_CHECK_LIST OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_tbl	OKL_QA_CHECK_PUB.MSG_TBL_TYPE	Yes	Quality checklist result table.

21.4.5 Package OKL_RULE_APIS_PUB

This package contains the following procedures:

- [GET_CONTRACT_RGS](#) on page 21-76
- [GET_CONTRACT_RULES](#) on page 21-77
- [GET_JTOT_OBJECT](#) on page 21-78
- [GET_RULE_DISP_VALUE](#) on page 21-80
- [GET_RULE_INFORMATION](#) on page 21-82
- [GET_RULE_SEGMENT_VALUE \(Overloaded\)](#) on page 21-83

21.4.5.1 GET_CONTRACT_RGS

Procedure Specification

```
Procedure GET_CONTRACT_RGS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    p_chr_id                IN      NUMBER,
    p_cle_id                IN      NUMBER,
    p_rgd_code              IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    x_rgpv_tbl              OUT     OKL_OKC_MIGRATION_PVT.RGPV_TBL_TYPE,
    x_rg_count              OUT     NUMBER
);
```

Current Version

1.0

IN Parameters

Table 21–95 GET_CONTRACT_RGS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_chr_id	NUMBER	Yes	Contract ID.
p_cle_id	NUMBER	Yes	Contract line ID.
p_rgd_code	VARCHAR2	Yes	Rule group code.

OUT Parameters

Table 21-96 GET_CONTRACT_RGS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_rgpv_tbl	OKL_OKC_MIGRATION_PVT.RGPV_TBL_TYPE	Yes	Table type of view OKC_RULE_GROUPS_V.
x_rg_count	NUMBER	Yes	Rule group count.

21.4.5.2 GET_CONTRACT_RULES

Procedure Specification

```
Procedure GET_CONTRACT_RULES
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    p_rgpv_rec             IN      OKL_OKC_MIGRATION_PVT.RGPV_REC_TYPE,
    p_rdf_code             IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    x_rulv_tbl             OUT     OKL_RULE_PUB.RULV_TBL_TYPE,
    x_rule_count           OUT     NUMBER
);
```

Current Version

1.0

IN Parameters

Table 21–97 GET_CONTRACT_RULES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_rgpv_rec	OKL_OKC_MIGRATION_PVT.RGPV_REC_TYPE	Yes	Record type of view OKC_RULE_GROUPS_V.
p_rdf_code	VARCHAR2	Yes	Rule code.

OUT Parameters

Table 21–98 GET_CONTRACT_RULES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_rulv_tbl	OKL_RULE_PUB.RULV_TBL_TYPE	Yes	Table type of view OKC_RULES_V.
x_rule_count	NUMBER	Yes	Rule count.

21.4.5.3 GET_JTOT_OBJECT

Procedure Specification

```
Procedure GET_JTOT_OBJECT
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  p_object_code           IN      VARCHAR2,
  p_id1                   IN      VARCHAR2,
```

```
p_id2                IN      VARCHAR2,
x_return_status      OUT     VARCHAR2,
x_msg_count          OUT     NUMBER,
x_msg_data           OUT     VARCHAR2,
x_id1                OUT     VARCHAR2,
x_id2                OUT     VARCHAR2,
x_name               OUT     VARCHAR2,
x_description         OUT     VARCHAR2,
x_status             OUT     VARCHAR2,
x_start_date         OUT     DATE,
x_end_date           OUT     DATE,
x_org_id             OUT     NUMBER,
x_inv_org_id         OUT     NUMBER,
x_book_type_code     OUT     VARCHAR2,
x_select             OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 21–99 GET_JTOT_OBJECT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_object_code	VARCHAR2	Yes	JTF object code.
p_id1	VARCHAR2	Yes	id1 of JTF object referenced source view.
p_id2	VARCHAR2	Yes	id2 of JTF object referenced source view.

OUT Parameters

Table 21–100 GET_JTOT_OBJECT OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_id1	VARCHAR2	Yes	id1 of JTF object referenced source view.
x_id2	VARCHAR2	Yes	id2 of JTF object referenced source view.
x_name	VARCHAR2	Yes	Name.
x_description	VARCHAR2	Yes	Description.
x_status	VARCHAR2	Yes	Status.
x_start_date	DATE	Yes	Start date active.
x_end_date	DATE	Yes	End date active.
x_org_id	NUMBER	Yes	Operating unit ID.
x_inv_org_id	NUMBER	Yes	Inventory organization ID.
x_book_type_code	VARCHAR2	Yes	Asset book type code.
x_select	VARCHAR2	Yes	Select clause for JTF object source view.

21.4.5.4 GET_RULE_DISP_VALUE

Procedure Specification

```
Procedure GET_RULE_DISP_VALUE
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  p_rulv_rec              IN      OKL_RULE_PUB.RULV_REC_TYPE,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
```

```
x_rulv_disp_rec          OUT      OKL_RULE_APIS_PVT.RULV_DISP_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 21–101 GET_RULE_DISP_VALUE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_rulv_rec	OKL_RULE_PUB.RULV_REC_TYPE	Yes	Record type of view OKC_RULES_V.

OUT Parameters

Table 21–102 GET_RULE_DISP_VALUE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_rulv_disp_rec	OKL_RULE_APIS_PVT.RULV_DISP_REC_TYPE	Yes	Record type of rule user values.

21.4.5.5 GET_RULE_INFORMATION

Procedure Specification

Procedure GET_RULE_INFORMATION

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  p_rdf_code             IN      VARCHAR2,
  p_appl_col_name        IN      VARCHAR2,
  p_rule_info            IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  x_name                 OUT     VARCHAR2,
  x_select               OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 21–103 GET_RULE_INFORMATION IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_rdf_code	VARCHAR2	Yes	Rule code.
p_appl_col_name	VARCHAR2	Yes	The segment column name (RULE_INFORMATION1,RULE_INFORMATION2 etc.).
p_rule_info	VARCHAR2	Yes	The segment column value. Note: The default Null.

OUT Parameters

Table 21–104 GET_RULE_INFORMATION OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_name	VARCHAR2	Yes	User value for segment.
x_select	VARCHAR2	Yes	Select clause for segment’s value set.

21.4.5.6 GET_RULE_SEGMENT_VALUE (Overloaded)

This overloaded procedure includes:

- [GET_RULE_SEGMENT_VALUE](#) on page 21-83
- [GET_RULE_SEGMENT_VALUE](#) on page 21-85

GET_RULE_SEGMENT_VALUE

Procedure Specification

Procedure GET_RULE_SEGMENT_VALUE

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_chr_id              IN      NUMBER,
  p_cle_id              IN      NUMBER,
  p_rgd_code            IN      VARCHAR2,
  p_rdf_code            IN      VARCHAR2,
  p_rdf_name            IN      VARCHAR2,
  x_id1                 OUT     VARCHAR2,
  x_id2                 OUT     VARCHAR2,
  x_name                OUT     VARCHAR2,
  x_description         OUT     VARCHAR2,
```

```
x_status          OUT      VARCHAR2,  
x_start_date      OUT      DATE,  
x_end_date        OUT      DATE,  
x_org_id          OUT      NUMBER,  
x_inv_org_id      OUT      NUMBER,  
x_book_type_code  OUT      VARCHAR2,  
x_select          OUT      VARCHAR2  
);
```

Current Version

1.0

IN Parameters

Table 21–105 GET_RULE_SEGMENT_VALUE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_chr_id	NUMBER	Yes	Contract ID.
p_cle_id	NUMBER	Yes	Contract line ID.
p_rgd_code	VARCHAR2	Yes	Rule group code.
p_rdf_code	VARCHAR2	Yes	Rule code.
p_rdf_name	VARCHAR2	Yes	Rule name.

OUT Parameters

Table 21–106 GET_RULE_SEGMENT_VALUE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Table 21–106 GET_RULE_SEGMENT_VALUE OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_id1	VARCHAR2	Yes	id1 of JTF object referenced source view.
x_id2	VARCHAR2	Yes	id2 of JTF object referenced source view.
x_name	VARCHAR2	Yes	User identifiable rule segment value.
x_description	VARCHAR2	Yes	User identifiable description of rule segment value.
x_status	VARCHAR2	Yes	Status of rule segment value.
x_start_date	DATE	Yes	Start date active.
x_end_date	DATE	Yes	End date active.
x_org_id	NUMBER	Yes	Operating unit ID.
x_inv_org_id	NUMBER	Yes	Inventory organization ID.
x_book_type_code	VARCHAR2	Yes	Asset book type code.
x_select	VARCHAR2	Yes	Select clause associated with validation of the rule segment.

GET_RULE_SEGMENT_VALUE

Procedure Specification

Procedure GET_RULE_SEGMENT_VALUE

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_chr_id              IN      NUMBER,
  p_cle_id              IN      NUMBER,
  p_rgd_code            IN      VARCHAR2,
  p_rdf_code            IN      VARCHAR2,
  p_segment_number      IN      NUMBER,
  x_id1                 OUT     VARCHAR2,
  x_id2                 OUT     VARCHAR2,
  x_name                OUT     VARCHAR2,
```

```
x_description      OUT      VARCHAR2,
x_status           OUT      VARCHAR2,
x_start_date       OUT      DATE,
x_end_date         OUT      DATE,
x_org_id           OUT      NUMBER,
x_inv_org_id       OUT      NUMBER,
x_book_type_code   OUT      VARCHAR2,
x_select           OUT      VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 21–107 GET_RULE_SEGMENT_VALUE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_chr_id	NUMBER	Yes	Contract ID.
p_cle_id	NUMBER	Yes	Contract line ID.
p_rgd_code	VARCHAR2	Yes	Rule group code.
p_rdf_code	VARCHAR2	Yes	Rule code.
p_segment_number	NUMBER	Yes	Rule segment number.

OUT Parameters

Table 21–108 GET_RULE_SEGMENT_VALUE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 21–108 GET_RULE_SEGMENT_VALUE OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_id1	VARCHAR2	Yes	id1 of JTF object referenced source view.
x_id2	VARCHAR2	Yes	id2 of JTF object referenced source view.
x_name	VARCHAR2	Yes	User identifiable rule segment value.
x_description	VARCHAR2	Yes	User identifiable description of rule segment value.
x_status	VARCHAR2	Yes	Status of rule segment value.
x_start_date	DATE	Yes	Start date active.
x_end_date	DATE	Yes	End date active.
x_org_id	NUMBER	Yes	Operating unit ID.
x_inv_org_id	NUMBER	Yes	Inventory organization ID.
x_book_type_code	VARCHAR2	Yes	Asset book type code.
x_select	VARCHAR2	Yes	Select clause associated with validation of the rule segment.

21.4.6 Package OKL_RULE_EXTRACT_PUB

This package contains the following procedures:

- [GET_RG_RULES](#) on page 21-87
- [GET_RULE_DEF](#) on page 21-89
- [GET_SUBCLASS_RGS](#) on page 21-90

21.4.6.1 GET_RG_RULES

This procedure retrieves all the rule codes that users can set up for a rule group.

Procedure Specification

Procedure GET_RG_RULES

(

```

p_api_version          IN          NUMBER,
p_init_msg_list        IN          VARCHAR2,
x_return_status        OUT         VARCHAR2,
x_msg_count            OUT         NUMBER,
x_msg_data             OUT         VARCHAR2,
p_rgd_code             IN          VARCHAR2,
x_rg_rules_tbl         OUT         OKL_RULE_EXTRACT_PVT.RG_RULES_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 21–109 GET_RG_RULES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_rgd_code	VARCHAR2	Yes	Rule group code.

OUT Parameters

Table 21–110 GET_RG_RULES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_rg_rules_tbl	OKL_RULE_EXTRACT_PVT.RG_RULES_TBL_TYPE	Yes	Table of rule codes.

21.4.6.2 GET_RULE_DEF

Procedure Specification

```
Procedure GET_RULE_DEF
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_rgd_code             IN      VARCHAR2,
    p_rgs_code             IN      VARCHAR2,
    p_buy_or_sell          IN      VARCHAR2,
    x_rule_segment_tbl     OUT     OKL_RULE_EXTRACT_PVT.RULE_SEGMENT_TBL_
    TYPE
);
```

Current Version

1.0

IN Parameters

Table 21–111 GET_RULE_DEF IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_rgd_code	VARCHAR2	Yes	Rule group code.
p_rgs_code	VARCHAR2	Yes	Rule code.
p_buy_or_sell	VARCHAR2	Yes	Contract intent.

OUT Parameters

Table 21–112 GET_RULE_DEF OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_rule_segment_tbl	OKL_RULE_EXTRACT_PVT.RULE_SEGMENT_TBL_TYPE	Yes	Table of rule segments.

21.4.6.3 GET_SUBCLASS_RGS

Procedure Specification

```
Procedure GET_SUBCLASS_RGS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_chr_id              IN      VARCHAR2,
    x_sc_rg_tbl            OUT     OKL_RULE_EXTRACT_PVT.SC_RG_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 21–113 *GET_SUBCLASS_RGS IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_chr_id	VARCHAR2	Yes	Contract ID.

OUT Parameters

Table 21–114 *GET_SUBCLASS_RGS OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_sc_rg_tbl	OKL_RULE_EXTRACT_PVT.SC_RG_TBL_TYPE	Yes	Table of subclass-rule groups.

21.5 Rebook Multiple Contracts

The Rebook Multiple Contracts part of Contract Authoring public APIs in Oracle Lease Management includes:

- [Package OKL_MASS_REBOOK_PUB](#) on page 21-91

21.5.1 Package OKL_MASS_REBOOK_PUB

This package contains the following procedures:

- [APPLY_MASS_REBOOK](#) on page 21-92
- [BUILD_AND_GET_CONTRACTS](#) on page 21-93
- [MASS_REBOOK_AFTER_YIELD](#) on page 21-95

- [PROCESS_MASS_REBOOK](#) on page 21-96
- [UPDATE_MASS_RBK_CONTRACT](#) on page 21-97

21.5.1.1 APPLY_MASS_REBOOK

Procedure Specification

```
Procedure APPLY_MASS_REBOOK
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_rbk_tbl               IN      OKL_MASS_REBOOK_PVT.RBK_TBL_TYPE,
  p_deprn_method_code     IN      VARCHAR2,
  p_in_service_date       IN      DATE,
  p_life_in_months        IN      NUMBER,
  p_basic_rate            IN      NUMBER,
  p_adjusted_rate         IN      NUMBER,
  p_residual_value        IN      NUMBER,
  p_strm_lalevl_tbl       IN      OKL_MASS_REBOOK_PVT.STRM_LALEVL_TBL_
  TYPE
);
```

Current Version

1.0

IN Parameters

Table 21–115 APPLY_MASS_REBOOK IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_rbk_tbl	OKL_MASS_REBOOK_PVT.RBK_TBL_TYPE	Yes	Table of contracts and lines to rebook.

Table 21–115 APPLY_MASS_REBOOK IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_deprn_method_code	VARCHAR2	Yes	Depreciation method code to change.
p_in_service_date	DATE	Yes	In service date to change.
p_life_in_months	NUMBER	Yes	Life in months to change.
p_basic_rate	NUMBER	Yes	Basic rate to change.
p_adjusted_rate	NUMBER	Yes	Adjusted rate to change.
p_residual_value	NUMBER	Yes	Residual value to change.
p_strm_lalevl_tbl	OKL_MASS_REBOOK_PVT.STRM_LALEVL_TBL_TYPE	Yes	Table of stream values to change.

OUT Parameters

Table 21–116 APPLY_MASS_REBOOK OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

21.5.1.2 BUILD_AND_GET_CONTRACTS

Procedure Specification

Procedure BUILD_AND_GET_CONTRACTS

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_request_name          IN      VARCHAR2,
  p_mrbv_tbl              IN      OKL_MRB_PVT.MRBV_TBL_TYPE,
```

```
x_mstv_tbl          OUT      OKL_MST_PVT.MSTV_TBL_TYPE,  
x_rbk_count         OUT      NUMBER  
);
```

Current Version

1.0

IN Parameters

Table 21–117 BUILD_AND_GET_CONTRACTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_request_name	VARCHAR2	Yes	Request name to process.
p_mrbv_tbl	OKL_MRB_PVT.MRBV_TBL_TYPE	Yes	Table of selection criteria value as the user specified.

OUT Parameters

Table 21–118 BUILD_AND_GET_CONTRACTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_mstv_tbl	OKL_MST_PVT.MSTV_TBL_TYPE	Yes	Table of selection criteria value.
x_rbk_count	NUMBER	Yes	Number of contracts to rebook.

21.5.1.3 MASS_REBOOK_AFTER_YIELD

Procedure Specification

Procedure MASS_REBOOK_AFTER_YIELD

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_chr_id              IN      NUMBER  
);
```

Current Version

1.0

IN Parameters

Table 21–119 MASS_REBOOK_AFTER_YIELD IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_chr_id	NUMBER	Yes	Contract Header ID for a rebooked contract.

OUT Parameters

Table 21–120 MASS_REBOOK_AFTER_YIELD OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

21.5.1.4 PROCESS_MASS_REBOOK

Procedure Specification

```
Procedure PROCESS_MASS_REBOOK
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_request_name         IN      VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 21–121 PROCESS_MASS_REBOOK IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_request_name	VARCHAR2	Yes	Request name to be processed.

OUT Parameters

Table 21–122 PROCESS_MASS_REBOOK OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

21.5.1.5 UPDATE_MASS_RBK_CONTRACT

Procedure Specification

Procedure UPDATE_MASS_RBK_CONTRACT

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_mstv_tbl             IN      OKL_MST_PVT.MSTV_TBL_TYPE,  
    x_mstv_tbl             OUT     OKL_MST_PVT.MSTV_TBL_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 21–123 UPDATE_MASS_RBK_CONTRACT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_mstv_tbl	OKL_MST_PVT.MSTV_TBL_TYPE	Yes	Table of selection criteria value.

OUT Parameters

Table 21–124 UPDATE_MASS_RBK_CONTRACT OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 21–124 UPDATE_MASS_RBK_CONTRACT OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_mstv_tbl	OKL_MST_PVT.MSTV_TBL_TYPE	Yes	Table of selection criteria value.

Invoice to Receipt APIs

The following are public packages of Invoice to Receipt APIs in Oracle Lease Management:

- [Package OKL_CASH_APPL_RULES_PUB](#) on page 22-3
- [Package OKL_CONS_BILL_PUB](#) on page 22-5
- [Package OKL_CREATE_ADJST_PUB](#) on page 22-7
- [Package OKL_CSH_ORDER_SEQ_PUB](#) on page 22-10
- [Package OKL_EVERGREEN_BILLING_PUB](#) on page 22-12
- [Package OKL_EXT_BILLING_CHARGES_PUB](#) on page 22-15
- [Package OKL_INTERNAL_TO_EXTERNAL_PUB](#) on page 22-17
- [Package OKL_INT_EXT_CSH_APP_PUB](#) on page 22-19
- [Package OKL_LCKBX_CSH_APP_PUB](#) on page 22-21
- [Package OKL_LTE_CHRG_PUB](#) on page 22-22
- [Package OKL_LTE_INT_PUB](#) on page 22-24
- [Package OKL_PAYMENT_PUB](#) on page 22-27
- [Package OKL_PAY_INVOICES_CONS_PUB](#) on page 22-30
- [Package OKL_PAY_INVOICES_DISB_PUB](#) on page 22-32
- [Package OKL_PAY_INVOICES_MAN_PUB](#) on page 22-35
- [Package OKL_PAY_INVOICES_TRANS_PUB](#) on page 22-37
- [Package OKL_UBB_PUB](#) on page 22-39
- [Package OKL_VARIABLE_INTEREST_PUB](#) on page 22-42

For information about all table and record type parameters, see [Appendix A, "API Data Structure Specifications"](#).

22.1 Package OKL_CASH_APPL_RULES_PUB

This package contains the following procedure:

- [OKL_CASH_APPLIC](#) on page 22-3

22.1.1 OKL_CASH_APPLIC

Procedure Specification

Procedure OKL_CASH_APPLIC

```
(  
    p_api_version           IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_cons_bill_id         IN      NUMBER,  
    p_cons_bill_num        IN      VARCHAR2,  
    p_currency_code        IN      VARCHAR2,  
    p_irm_id              IN      NUMBER,  
    p_check_number         IN      VARCHAR2,  
    p_rcpt_amount          IN      NUMBER,  
    p_contract_id          IN      NUMBER,  
    p_contract_num         IN      VARCHAR2,  
    p_customer_id          IN      NUMBER,  
    p_customer_num         IN      VARCHAR2,  
    p_gl_date              IN      DATE,  
    p_receipt_date         IN      DATE,  
    p_comments             IN      VARCHAR2,  
    p_create_receipt_flag  IN      VARCHAR2  
);
```

Current Version

1.0

IN Parameters

Table 22–1 OKL_CASH_APPLIC IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_cons_bill_id	NUMBER	Yes	Consolidated invoice ID.
p_cons_bill_num	VARCHAR2	Yes	Consolidated invoice number.
p_currency_code	VARCHAR2	Yes	Currency code.
p_irm_id	NUMBER	Yes	Receipt method ID.
p_check_number	VARCHAR2	Yes	Check number.
p_rcpt_amount	NUMBER	Yes	Receipt amount.
p_contract_id	NUMBER	Yes	Contract ID.
p_contract_num	VARCHAR2	Yes	Contract number.
p_customer_id	NUMBER	Yes	Customer ID.
p_customer_num	VARCHAR2	Yes	Customer number.
p_gl_date	DATE	Yes	General ledger date.
p_receipt_date	DATE	Yes	Receipt date.
p_comments	VARCHAR2	Yes	Comments.
p_create_receipt_flag	VARCHAR2	Yes	Create receipt flag.

OUT Parameters

Table 22–2 OKL_CASH_APPLIC OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

22.2 Package OKL_CONS_BILL_PUB

This package contains the following procedure:

- [CREATE_CONS_BILL \(Overloaded\)](#) on page 22-5

22.2.1 CREATE_CONS_BILL (Overloaded)

This overloaded procedure includes:

- [CREATE_CONS_BILL](#) on page 22-5
- [CREATE_CONS_BILL](#) on page 22-6

CREATE_CONS_BILL

Procedure Specification

Procedure CREATE_CONS_BILL

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 22–3 CREATE_CONS_BILL IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

OUT Parameters

Table 22–4 CREATE_CONS_BILL OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

CREATE_CONS_BILL

Procedure Specification

```
Procedure CREATE_CONS_BILL
(
    errbuf          OUT    VARCHAR2,
    retcode         OUT    NUMBER
);
```

Current Version

1.0

IN Parameters

CREATE_CONS_BILL has no IN parameters.

OUT Parameters

Table 22–5 CREATE_CONS_BILL OUT Parameters

Parameter	Data Type	Required	Description and Validation
errbuf	VARCHAR2	Yes	Error messages from invoice consolidation.
retcode	NUMBER	Yes	Return status for success of invoice consolidation.

22.3 Package OKL_CREATE_ADJUST_PUB

This package contains the following procedures:

- [CREATE_ADJUSTMENTS_CONC](#) on page 22-7
- [CREATE_ADJUSTMENTS_PUB](#) on page 22-7
- [IEX_CREATE_ADJUSTMENTS_PUB](#) on page 22-8

22.3.1 CREATE_ADJUSTMENTS_CONC

Procedure Specification

```
Procedure CREATE_ADJUSTMENTS_CONC
(
    errbuf                OUT    VARCHAR2,
    retcode               OUT    NUMBER
);
```

Current Version

1.0

IN Parameters

CREATE_ADJUSTMENTS_CONC has no IN parameters.

OUT Parameters

Table 22–6 CREATE_ADJUSTMENTS_CONC OUT Parameters

Parameter	Data Type	Required	Description and Validation
errbuf	VARCHAR2	Yes	Error message from API execution.
retcode	NUMBER	Yes	Return status from API call.

22.3.2 CREATE_ADJUSTMENTS_PUB

Procedure Specification

```
Procedure CREATE_ADJUSTMENTS_PUB
(
    p_api_version         IN    NUMBER,
```

```

    p_init_msg_list          IN      VARCHAR2,
    x_return_status          OUT     VARCHAR2,
    x_msg_count              OUT     NUMBER,
    x_msg_data               OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 22–7 CREATE_ADJUSTMENTS_PUB IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

OUT Parameters

Table 22–8 CREATE_ADJUSTMENTS_PUB OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

22.3.3 IEX_CREATE_ADJUSTMENTS_PUB

Procedure Specification

```

Procedure IEX_CREATE_ADJUSTMENTS_PUB
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    p_commit_flag          IN      VARCHAR2,
```



```

p_psl_id                IN      NUMBER,
p_chk_approval_limits   IN      VARCHAR2,
x_new_adj_id            OUT     NUMBER,
x_return_status         OUT     VARCHAR2,
x_msg_count             OUT     NUMBER,
x_msg_data              OUT     VARCHAR2
);

```

Current Version

1.0

IN Parameters

Table 22–9 IEX_CREATE_ADJUSTMENTS_PUB IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_commit_flag	VARCHAR2	Yes	Commit flag.
p_psl_id	NUMBER	Yes	Payment schedule ID.
p_chk_approval_limits	VARCHAR2	Yes	Check approval limits.

OUT Parameters

Table 22–10 IEX_CREATE_ADJUSTMENTS_PUB OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_new_adj_id	NUMBER	Yes	New adjustment ID.
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

22.4 Package OKL_CSH_ORDER_SEQ_PUB

This package contains the following procedure:

- [UPDATE_ORDER_SEQUENCE \(Overloaded\)](#) on page 22-10

22.4.1 UPDATE_ORDER_SEQUENCE (Overloaded)

This overloaded procedure includes:

- [UPDATE_ORDER_SEQUENCE](#) on page 22-10
- [UPDATE_ORDER_SEQUENCE](#) on page 22-11

UPDATE_ORDER_SEQUENCE

Procedure Specification

```
Procedure UPDATE_ORDER_SEQUENCE
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_okl_csh_order_rec    IN      OKL_CSH_ORDER_SEQ_PVT.OKL_CSH_ORDER_
REC_TYPE,
    x_okl_csh_order_rec    OUT     OKL_CSH_ORDER_SEQ_PVT.OKL_CSH_ORDER_
REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 22–11 UPDATE_ORDER_SEQUENCE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 22–11 UPDATE_ORDER_SEQUENCE IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_okl_csh_order_rec	OKL_CSH_ORDER_SEQ_PVT.OKL_CSH_ORDER_REC_TYPE	Yes	Update order record.

OUT Parameters

Table 22–12 UPDATE_ORDER_SEQUENCE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_okl_csh_order_rec	OKL_CSH_ORDER_SEQ_PVT.OKL_CSH_ORDER_REC_TYPE	Yes	Update order record.

UPDATE_ORDER_SEQUENCE

Procedure Specification

Procedure UPDATE_ORDER_SEQUENCE

```
(  
    p_api_version           IN      NUMBER,  
    p_init_msg_list         IN      VARCHAR2,  
    x_return_status         OUT     VARCHAR2,  
    x_msg_count             OUT     NUMBER,  
    x_msg_data              OUT     VARCHAR2,  
    p_okl_csh_order_tbl     IN      OKL_CSH_ORDER_SEQ_PVT.OKL_CSH_ORDER_  
TBL_TYPE,  
    x_okl_csh_order_tbl     OUT     OKL_CSH_ORDER_SEQ_PVT.OKL_CSH_ORDER_  
TBL_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 22–13 *UPDATE_ORDER_SEQUENCE IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_okl_csh_order_tbl	OKL_CSH_ORDER_SEQ_PVT.OKL_CSH_ORDER_TBL_TYPE	Yes	Update order record.

OUT Parameters

Table 22–14 *UPDATE_ORDER_SEQUENCE OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_okl_csh_order_tbl	OKL_CSH_ORDER_SEQ_PVT.OKL_CSH_ORDER_TBL_TYPE	Yes	Update order record.

22.5 Package OKL_EVERGREEN_BILLING_PUB

This package contains the following procedure:

- [BILL_EVG_STREAMS \(Overloaded\)](#) on page 22-12

22.5.1 BILL_EVG_STREAMS (Overloaded)

This overloaded procedure includes:

- [BILL_EVG_STREAMS](#) on page 22-13
- [BILL_EVG_STREAMS](#) on page 22-14

BILL_EVG_STREAMS

Procedure Specification

```
Procedure BILL_EVG_STREAMS
(
    errbuf                OUT    VARCHAR2,
    retcode               OUT    NUMBER,
    p_from_bill_date      IN     VARCHAR2,
    p_to_bill_date        IN     VARCHAR2,
    p_contract_number     IN     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 22-15 BILL_EVG_STREAMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_from_bill_date	VARCHAR2	Yes	Bill from this date.
p_to_bill_date	VARCHAR2	Yes	Bill records up to this date.
p_contract_number	VARCHAR2	Yes	Specific contract number to bill.

OUT Parameters

Table 22-16 BILL_EVG_STREAMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
errbuf	VARCHAR2	Yes	Error messages from the concurrent program.
retcode	NUMBER	Yes	Return status from the API.

BILL_EVG_STREAMS

Procedure Specification

Procedure BILL_EVG_STREAMS

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_contract_number       IN      VARCHAR2,
  p_from_bill_date        IN      DATE,
  p_to_bill_date          IN      DATE
);
```

Current Version

1.0

IN Parameters

Table 22-17 BILL_EVG_STREAMS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_contract_number	VARCHAR2	Yes	Specific contract to invoice.
p_from_bill_date	DATE	Yes	Billing start date.
p_to_bill_date	DATE	Yes	Billing end date.

OUT Parameters

Table 22-18 BILL_EVG_STREAMS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Table 22–18 BILL_EVG_STREAMS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

22.6 Package OKL_EXT_BILLING_CHARGES_PUB

This package contains the following procedures:

- [BILLING_CHARGES](#) on page 22-15
- [BILLING_CHARGES_CONC](#) on page 22-16

22.6.1 BILLING_CHARGES

Procedure Specification

Procedure BILLING_CHARGES

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_name                 IN      VARCHAR2,
  p_sequence_number      IN      NUMBER,
  p_date_transmission    IN      DATE,
  p_origin               IN      VARCHAR2,
  p_destination          IN      VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 22–19 BILLING_CHARGES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_name	VARCHAR2	Yes	Batch name.
p_sequence_number	NUMBER	Yes	Sequence number for records in a batch.
p_date_transmission	DATE	Yes	Date of transmission of invoice records.
p_origin	VARCHAR2	Yes	Source of billing transactions.
p_destination	VARCHAR2	Yes	Destination of billing transactions.

OUT Parameters

Table 22–20 BILLING_CHARGES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

22.6.2 BILLING_CHARGES_CONC

Procedure Specification

```
Procedure BILLING_CHARGES_CONC
(
    errbuf                OUT    VARCHAR2,
    retcode                OUT    NUMBER,
    p_name                 IN     VARCHAR2,
    p_sequence_number      IN     NUMBER,
```



```
p_date_transmission      IN      DATE,  
p_origin                 IN      VARCHAR2,  
p_destination            IN      VARCHAR2  
);
```

Current Version

1.0

IN Parameters

Table 22–21 BILLING_CHARGES_CONC IN Parameters

Parameter	Data Type	Required	Description and Validation
p_name	VARCHAR2	Yes	Batch name.
p_sequence_number	NUMBER	Yes	Sequence number of records in a batch.
p_date_transmission	DATE	Yes	Date of transmission.
p_origin	VARCHAR2	Yes	Source of billing transactions.
p_destination	VARCHAR2	Yes	Destination of billing transactions.

OUT Parameters

Table 22–22 BILLING_CHARGES_CONC OUT Parameters

Parameter	Data Type	Required	Description and Validation
errbuf	VARCHAR2	Yes	Error messages from API execution.
retcode	NUMBER	Yes	Return status from API call.

22.7 Package OKL_INTERNAL_TO_EXTERNAL_PUB

This package contains the following procedure:

- [INTERNAL_TO_EXTERNAL \(Overloaded\)](#) on page 22-18

22.7.1 INTERNAL_TO_EXTERNAL (Overloaded)

This overloaded procedure includes:

- [INTERNAL_TO_EXTERNAL](#) on page 22-18
- [INTERNAL_TO_EXTERNAL](#) on page 22-19

INTERNAL_TO_EXTERNAL

Procedure Specification

```
Procedure INTERNAL_TO_EXTERNAL
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 22–23 INTERNAL_TO_EXTERNAL IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

OUT Parameters

Table 22–24 INTERNAL_TO_EXTERNAL OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Table 22–24 INTERNAL_TO_EXTERNAL OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

INTERNAL_TO_EXTERNAL

Procedure Specification

```
Procedure INTERNAL_TO_EXTERNAL
(
    errbuf                OUT    VARCHAR2,
    retcode               OUT    NUMBER
);
```

Current Version

1.0

IN Parameters

INTERNAL_TO_EXTERNAL has no IN parameters.

OUT Parameters

Table 22–25 INTERNAL_TO_EXTERNAL OUT Parameters

Parameter	Data Type	Required	Description and Validation
errbuf	VARCHAR2	Yes	Error messages from API execution.
retcode	NUMBER	Yes	Return message from API call.

22.8 Package OKL_INT_EXT_CSH_APP_PUB

This package contains the following procedures:

- [INT_EXT_CSH_APP_CONC](#) on page 22-20
- [INT_EXT_CSH_APP_PUB](#) on page 22-20

22.8.1 INT_EXT_CSH_APP_CONC

Procedure Specification

```
Procedure INT_EXT_CSH_APP_CONC
(
    errbuf                                OUT    VARCHAR2,
    retcode                               OUT    NUMBER
);
```

Current Version

1.0

IN Parameters

INT_EXT_CSH_APP_CONC has no IN parameters.

OUT Parameters

Table 22-26 INT_EXT_CSH_APP_CONC OUT Parameters

Parameter	Data Type	Required	Description and Validation
errbuf	VARCHAR2	Yes	Error message from API execution.
retcode	NUMBER	Yes	Return status from API call.

22.8.2 INT_EXT_CSH_APP_PUB

Procedure Specification

```
Procedure INT_EXT_CSH_APP_PUB
(
    p_api_version                IN    NUMBER,
    p_init_msg_list              IN    VARCHAR2,
    x_return_status              OUT    VARCHAR2,
    x_msg_count                  OUT    NUMBER,
    x_msg_data                   OUT    VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 22–27 INT_EXT_CSH_APP_PUB IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

OUT Parameters

Table 22–28 INT_EXT_CSH_APP_PUB OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

22.9 Package OKL_LCKBX_CSH_APP_PUB

This package contains the following procedure:

- [HANDLE_AUTO_PAY](#) on page 22-21

22.9.1 HANDLE_AUTO_PAY

Procedure Specification

Procedure HANDLE_AUTO_PAY

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_trans_req_id         IN      NUMBER  
);
```

Current Version

1.0

IN Parameters

Table 22–29 HANDLE_AUTO_PAY IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_trans_req_id	NUMBER	Yes	Request ID.

OUT Parameters

Table 22–30 HANDLE_AUTO_PAY OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

22.10 Package OKL_LTE_CHRG_PUB

This package contains the following procedure:

- [CALCULATE_LATE_CHARGE \(Overloaded\)](#) on page 22-22

22.10.1 CALCULATE_LATE_CHARGE (Overloaded)

This overloaded procedure includes:

- [CALCULATE_LATE_CHARGE](#) on page 22-23
- [CALCULATE_LATE_CHARGE](#) on page 22-24

CALCULATE_LATE_CHARGE

Procedure Specification

Procedure CALCULATE_LATE_CHARGE

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2  
);
```

Current Version

1.0

IN Parameters

Table 22–31 CALCULATE_LATE_CHARGE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

OUT Parameters

Table 22–32 CALCULATE_LATE_CHARGE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

CALCULATE_LATE_CHARGE

Procedure Specification

```
Procedure CALCULATE_LATE_CHARGE
(
    errbuf                OUT    VARCHAR2,
    retcode               OUT    VARCHAR2,
    p_api_version         IN     NUMBER,
    p_init_msg_list       IN     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 22–33 CALCULATE_LATE_CHARGE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

OUT Parameters

Table 22–34 CALCULATE_LATE_CHARGE OUT Parameters

Parameter	Data Type	Required	Description and Validation
errbuf	VARCHAR2	Yes	Error message from API execution.
retcode	VARCHAR2	Yes	Return status from API call.

22.11 Package OKL_LTE_INT_PUB

This package contains the following procedure:

- [CALCULATE_LATE_INTEREST \(Overloaded\)](#) on page 22-25

22.11.1 CALCULATE_LATE_INTEREST (Overloaded)

This overloaded procedure includes:

- [CALCULATE_LATE_INTEREST](#) on page 22-25
- [CALCULATE_LATE_INTEREST](#) on page 22-26

CALCULATE_LATE_INTEREST

Procedure Specification

```
Procedure CALCULATE_LATE_INTEREST
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 22–35 CALCULATE_LATE_INTEREST IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

OUT Parameters

Table 22–36 CALCULATE_LATE_INTEREST OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Table 22–36 CALCULATE_LATE_INTEREST OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

CALCULATE_LATE_INTEREST

Procedure Specification

```
Procedure CALCULATE_LATE_INTEREST
(
    errbuf                OUT    VARCHAR2,
    retcode               OUT    VARCHAR2,
    p_api_version         IN     NUMBER,
    p_init_msg_list       IN     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 22–37 CALCULATE_LATE_INTEREST IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

OUT Parameters

Table 22–38 CALCULATE_LATE_INTEREST OUT Parameters

Parameter	Data Type	Required	Description and Validation
errbuf	VARCHAR2	Yes	Error message from API execution.

Table 22–38 *CALCULATE_LATE_INTEREST_OUT Parameters (Cont.)*

Parameter	Data Type	Required	Description and Validation
retcode	VARCHAR2	Yes	Return status from API call.

22.12 Package OKL_PAYMENT_PUB

This package creates cash application transactions for Oracle Lease Management collections.

This package contains the following procedure:

- [CREATE_INTERNAL_TRANS \(Overloaded\)](#) on page 22-27

22.12.1 CREATE_INTERNAL_TRANS (Overloaded)

This overloaded procedure includes:

- [CREATE_INTERNAL_TRANS](#) on page 22-27
- [CREATE_INTERNAL_TRANS](#) on page 22-29

CREATE_INTERNAL_TRANS

Procedure Specification

Procedure CREATE_INTERNAL_TRANS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  p_customer_id          IN      NUMBER,
  p_contract_id          IN      NUMBER,
  p_payment_method_id    IN      NUMBER,
  p_payment_ref_number   IN      VARCHAR2,
  p_payment_amount       IN      NUMBER,
  p_currency_code        IN      VARCHAR2,
  p_payment_date         IN      DATE,
  x_payment_id           OUT     NUMBER,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 22–39 CREATE_INTERNAL_TRANS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_customer_id	NUMBER	Yes	Customer ID.
p_contract_id	NUMBER	Yes	Contract ID.
p_payment_method_id	NUMBER	Yes	Payment method.
p_payment_ref_number	VARCHAR2	Yes	Payment reference number.
p_payment_amount	NUMBER	Yes	Payment amount.
p_currency_code	VARCHAR2	Yes	Currency code.
p_payment_date	DATE	Yes	Payment date.

OUT Parameters

Table 22–40 CREATE_INTERNAL_TRANS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_payment_id	NUMBER	Yes	Payment ID.
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

CREATE_INTERNAL_TRANS

Procedure Specification

Procedure CREATE_INTERNAL_TRANS

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  p_customer_id           IN      NUMBER,
  p_invoice_id            IN      NUMBER,
  p_payment_method_id     IN      NUMBER,
  p_payment_ref_number    IN      VARCHAR2,
  p_payment_amount        IN      NUMBER,
  p_currency_code         IN      VARCHAR2,
  p_payment_date          IN      DATE,
  x_payment_id            OUT     NUMBER,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 22–41 CREATE_INTERNAL_TRANS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_customer_id	NUMBER	Yes	Customer ID.
p_invoice_id	NUMBER	Yes	Invoice ID.
p_payment_method_id	NUMBER	Yes	Payment method.
p_payment_ref_number	VARCHAR2	Yes	Reference number.
p_payment_amount	NUMBER	Yes	Payment amount.

Table 22–41 CREATE_INTERNAL_TRANS IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_currency_code	VARCHAR2	Yes	Currency code.
p_payment_date	DATE	Yes	Payment date.

OUT Parameters

Table 22–42 CREATE_INTERNAL_TRANS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_payment_id	NUMBER	Yes	Payment ID.
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

22.13 Package OKL_PAY_INVOICES_CONS_PUB

This package contains the following procedure:

- [CONSOLIDATION \(Overloaded\)](#) on page 22-30

22.13.1 CONSOLIDATION (Overloaded)

This overloaded procedure includes:

- [CONSOLIDATION](#) on page 22-30
- [CONSOLIDATION](#) on page 22-31

CONSOLIDATION

Procedure Specification

```
Procedure CONSOLIDATION
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
```

```
x_msg_count          OUT      NUMBER,  
x_msg_data           OUT      VARCHAR2,  
p_from_date          IN       DATE,  
p_to_date            IN       DATE  
);
```

Current Version

1.0

IN Parameters

Table 22–43 CONSOLIDATION IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_from_date	DATE	Yes	Start date.
p_to_date	DATE	Yes	End date.

OUT Parameters

Table 22–44 CONSOLIDATION OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

CONSOLIDATION

Procedure Specification

```
Procedure CONSOLIDATION  
(
```

```
errbuf          OUT    VARCHAR2,  
retcode         OUT    NUMBER,  
p_from_date     IN     VARCHAR2,  
p_to_date       IN     VARCHAR2  
);
```

Current Version
1.0

IN Parameters

Table 22–45 CONSOLIDATION IN Parameters

Parameter	Data Type	Required	Description and Validation
p_from_date	VARCHAR2	Yes	Start date.
p_to_date	VARCHAR2	Yes	End date.

OUT Parameters

Table 22–46 CONSOLIDATION OUT Parameters

Parameter	Data Type	Required	Description and Validation
errbuf	VARCHAR2	Yes	Error message from API execution.
retcode	NUMBER	Yes	Return status from API call.

22.14 Package OKL_PAY_INVOICES_DISB_PUB

This package contains the following procedure:

- [AUTO_DISBURSEMENT \(Overloaded\)](#) on page 22-32

22.14.1 AUTO_DISBURSEMENT (Overloaded)

This overloaded procedure includes:

- [AUTO_DISBURSEMENT](#) on page 22-33
- [AUTO_DISBURSEMENT](#) on page 22-34

AUTO_DISBURSEMENT

Procedure Specification

Procedure AUTO_DISBURSEMENT

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_from_date            IN      DATE,
  p_to_date              IN      DATE
);
```

Current Version

1.0

IN Parameters

Table 22–47 AUTO_DISBURSEMENT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_from_date	DATE	Yes	Start invoice date.
p_to_date	DATE	Yes	End invoice date.

OUT Parameters

Table 22–48 AUTO_DISBURSEMENT OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 22–48 AUTO_DISBURSEMENT OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

AUTO_DISBURSEMENT

Procedure Specification

```
Procedure AUTO_DISBURSEMENT
(
    errbuf                                OUT    VARCHAR2,
    retcode                               OUT    NUMBER,
    p_from_date                           IN     VARCHAR2,
    p_to_date                             IN     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 22–49 AUTO_DISBURSEMENT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_from_date	VARCHAR2	Yes	Disbursement start date.
p_to_date	VARCHAR2	Yes	Disbursement end date.

OUT Parameters

Table 22–50 AUTO_DISBURSEMENT OUT Parameters

Parameter	Data Type	Required	Description and Validation
errbuf	VARCHAR2	Yes	Error message from API execution.
retcode	NUMBER	Yes	Return status from API call.

22.15 Package OKL_PAY_INVOICES_MAN_PUB

This package contains the following procedure:

- [MANUAL_ENTRY \(Overloaded\)](#) on page 22-35

22.15.1 MANUAL_ENTRY (Overloaded)

This overloaded procedure includes:

- [MANUAL_ENTRY](#) on page 22-35
- [MANUAL_ENTRY](#) on page 22-36

MANUAL_ENTRY

Procedure Specification

Procedure MANUAL_ENTRY

```
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_man_inv_rec          IN      OKL_PAY_INVOICES_MAN_PVT.MAN_INV_REC_
TYPE,
    x_man_inv_rec          OUT     OKL_PAY_INVOICES_MAN_PVT.MAN_INV_REC_
TYPE
);
```

Current Version

1.0

IN Parameters

Table 22–51 *MANUAL_ENTRY IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 22–51 MANUAL_ENTRY IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_man_inv_rec	OKL_PAY_INVOICES_MAN_PVT.MAN_INV_REC_TYPE	Yes	Record definition for the Manual Disbursement window or page.

OUT Parameters

Table 22–52 MANUAL_ENTRY OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_man_inv_rec	OKL_PAY_INVOICES_MAN_PVT.MAN_INV_REC_TYPE	Yes	Record definition for the Manual Disbursement window or page.

MANUAL_ENTRY

Procedure Specification

```
Procedure MANUAL_ENTRY
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_man_inv_tbl           IN      OKL_PAY_INVOICES_MAN_PVT.MAN_INV_TBL_
    TYPE,
    x_man_inv_tbl           OUT     OKL_PAY_INVOICES_MAN_PVT.MAN_INV_TBL_
    TYPE
);
```

Current Version

1.0

IN Parameters**Table 22–53** *MANUAL_ENTRY IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_man_inv_tbl	OKL_PAY_ INVOICES_MAN_ PVT.MAN_INV_ TBL_TYPE	Yes	Table of records for the Manual Disbursement window or page.

OUT Parameters**Table 22–54** *MANUAL_ENTRY OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_man_inv_tbl	OKL_PAY_ INVOICES_MAN_ PVT.MAN_INV_ TBL_TYPE	Yes	Table of records for the Manual Disbursement window or page.

22.16 Package OKL_PAY_INVOICES_TRANS_PUB

This package contains the following procedure:

- [TRANSFER \(Overloaded\)](#) on page 22-38

22.16.1 TRANSFER (Overloaded)

This overloaded procedure includes:

- [TRANSFER](#) on page 22-38
- [TRANSFER](#) on page 22-39

TRANSFER

Procedure Specification

```
Procedure TRANSFER
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 22–55 TRANSFER IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

OUT Parameters

Table 22–56 TRANSFER OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Table 22–56 TRANSFER OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

TRANSFER

Procedure Specification

Procedure TRANSFER

```
(
    errbuf                OUT    VARCHAR2,
    retcode                OUT    NUMBER
);
```

Current Version

1.0

IN Parameters

TRANSFER has no IN parameters.

OUT Parameters

Table 22–57 TRANSFER OUT Parameters

Parameter	Data Type	Required	Description and Validation
errbuf	VARCHAR2	Yes	Error message from API execution.
retcode	NUMBER	Yes	Return status from API call.

22.17 Package OKL_UBB_PUB

This package contains the following procedure:

- [CALCULATE_UBB_AMOUNT \(Overloaded\)](#) on page 22-40

22.17.1 CALCULATE_UBB_AMOUNT (Overloaded)

This overloaded procedure includes:

- [CALCULATE_UBB_AMOUNT](#) on page 22-40
- [CALCULATE_UBB_AMOUNT](#) on page 22-41

CALCULATE_UBB_AMOUNT

Procedure Specification

```
Procedure CALCULATE_UBB_AMOUNT
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 22–58 CALCULATE_UBB_AMOUNT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

OUT Parameters

Table 22–59 CALCULATE_UBB_AMOUNT OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Table 22–59 CALCULATE_UBB_AMOUNT OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

CALCULATE_UBB_AMOUNT

Procedure Specification

Procedure CALCULATE_UBB_AMOUNT

```
(  
    errbuf                OUT    VARCHAR2,  
    retcode               OUT    VARCHAR2,  
    p_api_version         IN     NUMBER,  
    p_init_msg_list       IN     VARCHAR2  
);
```

Current Version

1.0

IN Parameters

Table 22–60 CALCULATE_UBB_AMOUNT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

OUT Parameters

Table 22–61 CALCULATE_UBB_AMOUNT OUT Parameters

Parameter	Data Type	Required	Description and Validation
errbuf	VARCHAR2	Yes	Error message from API execution.

Table 22–61 CALCULATE_UBB_AMOUNT OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
retcode	VARCHAR2	Yes	Return status from API call.

22.18 Package OKL_VARIABLE_INTEREST_PUB

This package contains the following procedure:

- [VARIABLE_INTEREST \(Overloaded\)](#) on page 22-42

22.18.1 VARIABLE_INTEREST (Overloaded)

This overloaded procedure includes:

- [VARIABLE_INTEREST](#) on page 22-42
- [VARIABLE_INTEREST](#) on page 22-43

VARIABLE_INTEREST

Procedure Specification

```
Procedure VARIABLE_INTEREST
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_contract_number       IN      VARCHAR2,
    p_from_date             IN      DATE,
    p_to_date               IN      DATE
);
```

Current Version

1.0

IN Parameters

Table 22–62 VARIABLE_INTEREST IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_contract_number	VARCHAR2	Yes	Contract number.
p_from_date	DATE	Yes	Start date.
p_to_date	DATE	Yes	End date.

OUT Parameters

Table 22–63 VARIABLE_INTEREST OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VARIABLE_INTEREST

Procedure Specification

Procedure VARIABLE_INTEREST

```
(
    errbuf                OUT    VARCHAR2,
    retcode                OUT    NUMBER,
    p_contract_number      IN     VARCHAR2,
    p_from_date            IN     VARCHAR2,
    p_to_date              IN     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 22–64 *VARIABLE_INTEREST IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_contract_number	VARCHAR2	Yes	Contract number.
p_from_date	VARCHAR2	Yes	From date.
p_to_date	VARCHAR2	Yes	End date.

OUT Parameters

Table 22–65 *VARIABLE_INTEREST OUT Parameters*

Parameter	Data Type	Required	Description and Validation
errbuf	VARCHAR2	Yes	Error message from API execution.
retcode	NUMBER	Yes	Return status from API call.

Quote to Termination APIs

The following are public packages of Quote to Termination APIs in Oracle Lease Management:

- [Package OKL_AM_CREATE_QUOTE_PUB](#) on page 23-2
- [Package OKL_AM_TERMNT_QUOTE_PUB](#) on page 23-3

For information about all table and record type parameters, see [Appendix A, "API Data Structure Specifications"](#).

23.1 Package OKL_AM_CREATE_QUOTE_PUB

This package contains the following procedure:

- [CREATE_TERMINATE_QUOTE](#) on page 23-2

23.1.1 CREATE_TERMINATE_QUOTE

Procedure Specification

```
Program Unit CREATE_TERMINATE_QUOTE
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_quot_rec              IN      OKL_QTE_PVT.QTEV_REC_TYPE,
  p_assn_tbl              IN      OKL_AM_CREATE_QUOTE_PVT.ASSN_TBL_TYPE,
  p_qpyv_tbl              IN      OKL_QPY_PVT.QPYV_TBL_TYPE,
  x_quot_rec              OUT     OKL_QTE_PVT.QTEV_REC_TYPE,
  x_tqlv_tbl              OUT     OKL_TQL_PVT.TQLV_TBL_TYPE,
  x_assn_tbl              OUT     OKL_AM_CREATE_QUOTE_PVT.ASSN_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 23–1 CREATE_TERMINATE_QUOTE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_quot_rec	OKL_QTE_PVT.QTEV_REC_TYPE	Yes	Record type of OKL_TRX_QUOTES_V.

Table 23–1 CREATE_TERMINATE_QUOTE IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_assn_tbl	OKL_AM_CREATE_QUOTE_PVT.ASSN_TBL_TYPE	Yes	Table type of asset details records.
p_qpyv_tbl	OKL_QPY_PVT.QPYV_TBL_TYPE	Yes	Table type of OKL_QUOTE_PARTIES_V.

OUT Parameters**Table 23–2 CREATE_TERMINATE_QUOTE OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_quot_rec	OKL_QTE_PVT.QTEV_REC_TYPE	Yes	Record type of OKL_TRX_QUOTES_V.
x_tqlv_tbl	OKL_TQL_PVT.TQLV_TBL_TYPE	Yes	Table type of OKL_TXL_QUOTE_LINES_V.
x_assn_tbl	OKL_AM_CREATE_QUOTE_PVT.ASSN_TBL_TYPE	Yes	Table type of asset details records.

23.2 Package OKL_AM_TERMNT_QUOTE_PUB

This package contains the following procedure:

- [TERMINATE_QUOTE \(Overloaded\)](#) on page 23-4

23.2.1 TERMINATE_QUOTE (Overloaded)

This overloaded procedure includes:

- [TERMINATE_QUOTE](#) on page 23-4
- [TERMINATE_QUOTE](#) on page 23-5

TERMINATE_QUOTE

Procedure Specification

Program Unit TERMINATE_QUOTE

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_term_rec              IN      OKL_QTE_PVT.QTEV_REC_TYPE,
  x_term_rec              OUT     OKL_QTE_PVT.QTEV_REC_TYPE,
  x_err_msg               OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 23–3 TERMINATE_QUOTE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_term_rec	OKL_QTE_PVT.QTEV_REC_TYPE	Yes	Record type of OKL_TRX_QUOTES_V.

OUT Parameters

Table 23–4 *TERMINATE_QUOTE OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_term_rec	OKL_QTE_PVT.QTEV_REC_TYPE	Yes	Record type of OKL_TRX_QUOTES_V.
x_err_msg	VARCHAR2	Yes	Last error message that the procedure raised.

TERMINATE_QUOTE

Procedure Specification

```
Program Unit TERMINATE_QUOTE
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_term_tbl            IN      OKL_QTE_PVT.QTEV_TBL_TYPE,
  x_term_tbl            OUT     OKL_QTE_PVT.QTEV_TBL_TYPE,
  x_err_msg             OUT     VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 23–5 *TERMINATE_QUOTE IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_term_tbl	OKL_QTE_ PVT.QTEV_TBL_ TYPE	Yes	Table type of OKL_TRX_ QUOTES_V.

OUT Parameters

Table 23–6 *TERMINATE_QUOTE OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_term_tbl	OKL_QTE_ PVT.QTEV_TBL_ TYPE	Yes	Table type of OKL_TRX_ QUOTES_V.
x_err_msg	VARCHAR2	Yes	Last error message that the procedure raised.

Asset Return to Disposal APIs

The following are public packages of Asset Return to Disposal APIs in Oracle Lease Management:

- [Package OKL_AM_ASSET_RETURN_PUB](#) on page 24-2

For information about all table and record type parameters, see [Appendix A, "API Data Structure Specifications"](#).

24.1 Package OKL_AM_ASSET_RETURN_PUB

This package contains the following procedures:

- [CREATE_ASSET_RETURN \(Overloaded\)](#) on page 24-2
- [UPDATE_ASSET_RETURN \(Overloaded\)](#) on page 24-4

24.1.1 CREATE_ASSET_RETURN (Overloaded)

This overloaded procedure includes:

- [CREATE_ASSET_RETURN](#) on page 24-2
- [CREATE_ASSET_RETURN](#) on page 24-3

CREATE_ASSET_RETURN

Procedure Specification

```
Program Unit CREATE_ASSET_RETURN
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_artv_rec              IN      OKL_ART_PVT.ARTV_REC_TYPE,
  x_artv_rec              OUT     OKL_ART_PVT.ARTV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 24–1 CREATE_ASSET_RETURN IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 24–1 CREATE_ASSET_RETURN IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_artv_rec	OKL_ART_PVT.ARTV_REC_TYPE	Yes	Record type of OKL_ASSET_RETURNS_V.

OUT Parameters

Table 24–2 CREATE_ASSET_RETURN OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_artv_rec	OKL_ART_PVT.ARTV_REC_TYPE	Yes	Record type of OKL_ASSET_RETURNS_V.

CREATE_ASSET_RETURN

Procedure Specification

Program Unit CREATE_ASSET_RETURN

```
(  
    p_api_version           IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status         OUT     VARCHAR2,  
    x_msg_count             OUT     NUMBER,  
    x_msg_data              OUT     VARCHAR2,  
    p_artv_tbl              IN      OKL_ART_PVT.ARTV_TBL_TYPE,  
    x_artv_tbl              OUT     OKL_ART_PVT.ARTV_TBL_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 24–3 CREATE_ASSET_RETURN IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_artv_tbl	OKL_ART_PVT.ARTV_TBL_TYPE	Yes	Table type of OKL_ASSET_RETURNS_V.

OUT Parameters

Table 24–4 CREATE_ASSET_RETURN OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_artv_tbl	OKL_ART_PVT.ARTV_TBL_TYPE	Yes	Table type of OKL_ASSET_RETURNS_V.

24.1.2 UPDATE_ASSET_RETURN (Overloaded)

This overloaded procedure includes:

- [UPDATE_ASSET_RETURN](#) on page 24-4
- [UPDATE_ASSET_RETURN](#) on page 24-6

UPDATE_ASSET_RETURN

Procedure Specification

```
Program Unit UPDATE_ASSET_RETURN
(  

```

```

p_api_version          IN      NUMBER,
p_init_msg_list        IN      VARCHAR2,
x_return_status        OUT     VARCHAR2,
x_msg_count            OUT     NUMBER,
x_msg_data             OUT     VARCHAR2,
p_artv_rec             IN      OKL_ART_PVT.ARTV_REC_TYPE,
x_artv_rec             OUT     OKL_ART_PVT.ARTV_REC_TYPE
);

```

Current Version
1.0

IN Parameters

Table 24–5 UPDATE_ASSET_RETURN IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_artv_rec	OKL_ART_PVT.ARTV_REC_TYPE	Yes	Record type of OKL_ASSET_RETURNS_V.

OUT Parameters

Table 24–6 UPDATE_ASSET_RETURN OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_artv_rec	OKL_ART_PVT.ARTV_REC_TYPE	Yes	Record type of OKL_ASSET_RETURNS_V.

UPDATE_ASSET_RETURN

Procedure Specification

```
Program Unit UPDATE_ASSET_RETURN
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_artv_tbl             IN      OKL_ART_PVT.ARTV_TBL_TYPE,
    x_artv_tbl             OUT     OKL_ART_PVT.ARTV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 24–7 UPDATE_ASSET_RETURN IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_artv_tbl	OKL_ART_PVT.ARTV_TBL_TYPE	Yes	Table type of OKL_ASSET_RETURNS_V.

OUT Parameters

Table 24–8 UPDATE_ASSET_RETURN OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 24–8 UPDATE_ASSET_RETURN OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_artv_tbl	OKL_ART_PVT.ARTV_TBL_TYPE	Yes	Table type of OKL_ASSET_RETURNS_V.

Journalize Accounting Entry APIs

The following are public packages of Journalize Accounting Entry APIs in Oracle Lease Management:

- [Package OKL_ACCOUNTING_PROCESS_PUB](#) on page 25-2
- [Package OKL_ACCOUNT_DIST_PUB](#) on page 25-3
- [Package OKL_ACCOUNT_GENERATOR_PUB](#) on page 25-10
- [Package OKL_ACCT_GEN_RULE_PUB](#) on page 25-11
- [Package OKL_ACC_GEN_RULE_PUB](#) on page 25-15
- [Package OKL_INDEX_INTERFACES_PUB](#) on page 25-44
- [Package OKL_INDICES_PUB](#) on page 25-56
- [Package OKL_INTEREST_CALC_PUB](#) on page 25-86
- [Package OKL_INTEREST_IMP_PUB](#) on page 25-88
- [Package OKL_SYS_ACCT_OPTS_PUB](#) on page 25-89
- [Package OKL_TRX_TYPES_PUB](#) on page 25-102

For information about all table and record type parameters, see [Appendix A, "API Data Structure Specifications"](#).

25.1 Package OKL_ACCOUNTING_PROCESS_PUB

This package contains the following procedure:

- [DO_ACCOUNTING_CON](#) on page 25-2

25.1.1 DO_ACCOUNTING_CON

Procedure Specification

Procedure DO_ACCOUNTING_CON

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  p_start_date            IN      DATE,
  p_end_date              IN      DATE,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  x_request_id            OUT     NUMBER
);
```

Current Version

1.0

IN Parameters

Table 25–1 DO_ACCOUNTING_CON IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_start_date	DATE	Yes	Accounting start date.
p_end_date	DATE	Yes	Accounting end date.

OUT Parameters

Table 25–2 DO_ACCOUNTING_CON OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_request_id	NUMBER	Yes	Request ID of submitted concurrent program.

25.2 Package OKL_ACCOUNT_DIST_PUB

This package contains the following procedures:

- [CREATE_ACCOUNTING_DIST](#) on page 25-3
- [DELETE_ACCT_ENTRIES](#) on page 25-5
- [GET_TEMPLATE_INFO](#) on page 25-6
- [REVERSE_ENTRIES](#) on page 25-7
- [UPDATE_POST_TO_GL](#) on page 25-9

25.2.1 CREATE_ACCOUNTING_DIST

Procedure Specification

Procedure CREATE_ACCOUNTING_DIST

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_tmpl_identify_rec     IN      OKL_ACCOUNT_DIST_PVT.TMPL_IDENTIFY_REC_
  TYPE,
  p_dist_info_rec         IN      OKL_ACCOUNT_DIST_PVT.DIST_INFO_REC_
  TYPE,
  p_ctxt_val_tbl          IN      OKL_EXECUTE_FORMULA_PVT.CTXT_VAL_TBL_
```

```
TYPE,
    p_acc_gen_primary_key_tbl      IN      OKL_ACCOUNT_GENERATOR_PVT.PRIMARY_KEY_
TBL,
    x_template_tbl                OUT     OKL_AVL_PVT.AVLV_TBL_TYPE,
    x_amount_tbl                  OUT     OKL_ACCOUNT_DIST_PVT.AMOUNT_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25-3 CREATE ACCOUNTING_DIST IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_tmpl_identify_rec	OKL_ACCOUNT_DIST_PVT.TMPL_IDENTIFY_REC_TYPE	Yes	Record type for view OKL_AE_TEMPLATES_V.
p_dist_info_rec	OKL_ACCOUNT_DIST_PVT.DIST_INFO_REC_TYPE	Yes	Record type for view OKL_TRNS_ACC_DSTRS_V.
p_ctxt_val_tbl	OKL_EXECUTE_FORMULA_PVT.CTXT_VAL_TBL_TYPE	Yes	Table type for view OKL_CONTEXT_GROUPS_V and OKL_FNCTN_PRMTRS_V.
p_acc_gen_primary_key_tbl	OKL_ACCOUNT_GENERATOR_PVT.PRIMARY_KEY_TBL	Yes	Table type for table OKL_AG_SOURCE_MAPS.

OUT Parameters

Table 25–4 CREATE_ACCOUNTING_DIST OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_template_tbl	OKL_AVL_ PVT.AVLV_TBL_ TYPE	Yes	Table type for view OKL_AE_ TEMPLATES_V.
x_amount_tbl	OKL_ACCOUNT_ DIST_ PVT.AMOUNT_TBL_ TYPE	Yes	Table of number index by binary_integer.

25.2.2 DELETE_ACCT_ENTRIES

Procedure Specification

Procedure DELETE_ACCT_ENTRIES

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_source_id            IN      NUMBER,
  p_source_table         IN      VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 25–5 DELETE_ACCT_ENTRIES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_source_id	NUMBER	Yes	ID of source transaction table.
p_source_table	VARCHAR2	Yes	Name of source transaction table.

OUT Parameters

Table 25–6 DELETE_ACCT_ENTRIES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

25.2.3 GET_TEMPLATE_INFO

Procedure Specification

```
Procedure GET_TEMPLATE_INFO
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_tmpl_identify_rec     IN      OKL_ACCOUNT_DIST_PVT.TMPL_IDENTIFY_REC_
  TYPE,
  x_template_tbl          OUT     OKL_AVL_PVT.AVLV_TBL_TYPE
);
```


Current Version

1.0

IN Parameters**Table 25–7 GET_TEMPLATE_INFO IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_tmpl_identify_rec	OKL_ACCOUNT_DIST_PVT.TMPL_IDENTIFY_REC_TYPE	Yes	Record type for view OKL_AE_TEMPLATES_V.

OUT Parameters**Table 25–8 GET_TEMPLATE_INFO OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_template_tbl	OKL_AVL_PVT.AVLV_TBL_TYPE	Yes	Table type for view OKL_AE_TEMPLATES_V.

25.2.4 REVERSE_ENTRIES**Procedure Specification**

Procedure REVERSE_ENTRIES

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
```

```
x_msg_count          OUT      NUMBER,
x_msg_data           OUT      VARCHAR2,
p_source_id          IN       NUMBER,
p_source_table       IN       VARCHAR2,
p_acct_date          IN       DATE
);
```

Current Version

1.0

IN Parameters

Table 25–9 REVERSE_ENTRIES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_source_id	NUMBER	Yes	ID in source transaction table.
p_source_table	VARCHAR2	Yes	Source transaction table name.
p_acct_date	DATE	Yes	Accounting date.

OUT Parameters

Table 25–10 REVERSE_ENTRIES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

25.2.5 UPDATE_POST_TO_GL

Procedure Specification

Procedure UPDATE_POST_TO_GL

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_source_id            IN      NUMBER,
  p_source_table         IN      VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 25–11 UPDATE_POST_TO_GL IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_source_id	NUMBER	Yes	ID in source transaction table.
p_source_table	VARCHAR2	Yes	Name of source transaction table.

OUT Parameters

Table 25–12 UPDATE_POST_TO_GL OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 25–12 UPDATE_POST_TO_GL OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

25.3 Package OKL_ACCOUNT_GENERATOR_PUB

This package contains the following procedure:

- [GET_CCID](#) on page 25-10

25.3.1 GET_CCID

Procedure Specification

```
Procedure GET_CCID
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_ae_line_type         IN      VARCHAR2,
  p_primary_key_tbl      IN      OKL_ACCOUNT_GENERATOR_PVT.PRIMARY_KEY_
TBL
);
```

Current Version

1.0

IN Parameters

Table 25–13 GET_CCID IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ae_line_type	VARCHAR2	Yes	Accounting entry line type.

Table 25–13 GET_CCID IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_primary_key_tbl	OKL_ACCOUNT_GENERATOR_PVT.PRIMARY_KEY_TBL	Yes	Table type for table OKL_AG_SOURCE_MAPS.

OUT Parameters

Table 25–14 GET_CCID OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

25.4 Package OKL_ACCT_GEN_RULE_PUB

This package contains the following procedures:

- [GET_RULE_LINES](#) on page 25-11
- [GET_RULE_LINES_COUNT](#) on page 25-12
- [UPDT_RULE_LINES](#) on page 25-14

25.4.1 GET_RULE_LINES

Procedure Specification

Procedure GET_RULE_LINES

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_ae_line_type         IN      VARCHAR2,
  x_acc_lines            OUT     OKL_ACCT_GEN_RULE_PVT.ACCT_TBL_TYPE
```

);

Current Version

1.0

IN Parameters

Table 25–15 GET_RULE_LINES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ae_line_type	VARCHAR2	Yes	Accounting entry line type.

OUT Parameters

Table 25–16 GET_RULE_LINES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_acc_lines	OKL_ACCT_GEN_RULE_PVT.ACCT_TBL_TYPE	Yes	Table type for view OKL_ACCT_GEN_RULES_V.

25.4.2 GET_RULE_LINES_COUNT

Procedure Specification

```
Procedure GET_RULE_LINES_COUNT
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
```

```
x_return_status      OUT      VARCHAR2,  
x_msg_count          OUT      NUMBER,  
x_msg_data           OUT      VARCHAR2,  
p_ae_line_type       IN       VARCHAR2,  
x_line_count         OUT      NUMBER  
);
```

Current Version

1.0

IN Parameters

Table 25–17 GET_RULE_LINES_COUNT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ae_line_type	VARCHAR2	Yes	Accounting entry line type.

OUT Parameters

Table 25–18 GET_RULE_LINES_COUNT OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_line_count	NUMBER	Yes	Number of Account Generator rule counts.

25.4.3 UPDT_RULE_LINES

Procedure Specification

```
Procedure UPDT_RULE_LINES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_acc_lines            IN      OKL_ACCT_GEN_RULE_PVT.ACCT_TBL_TYPE,
  x_acc_lines            OUT     OKL_ACCT_GEN_RULE_PVT.ACCT_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–19 UPDT_RULE_LINES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_acc_lines	OKL_ACCT_GEN_RULE_PVT.ACCT_TBL_TYPE	Yes	Table type for view OKL_ACCT_GEN_RULES_V.

OUT Parameters

Table 25–20 UPDT_RULE_LINES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 25–20 UPDT_RULE_LINES OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_acc_lines	OKL_ACCT_GEN_RULE_PVT.ACCT_TBL_TYPE	Yes	Table type for view OKL_ACCT_GEN_RULES_V.

25.5 Package OKL_ACC_GEN_RULE_PUB

This package contains the following procedures:

- [CREATE_ACC_GEN_RULE \(Overloaded\)](#) on page 25-15
- [CREATE_ACC_GEN_RULE_LNS \(Overloaded\)](#) on page 25-19
- [DELETE_ACC_GEN_RULE \(Overloaded\)](#) on page 25-22
- [DELETE_ACC_GEN_RULE_LNS \(Overloaded\)](#) on page 25-24
- [LOCK_ACC_GEN_RULE \(Overloaded\)](#) on page 25-27
- [LOCK_ACC_GEN_RULE_LNS \(Overloaded\)](#) on page 25-29
- [UPDATE_ACC_GEN_RULE \(Overloaded\)](#) on page 25-32
- [UPDATE_ACC_GEN_RULE_LNS \(Overloaded\)](#) on page 25-36
- [VALIDATE_ACC_GEN_RULE \(Overloaded\)](#) on page 25-38
- [VALIDATE_ACC_GEN_RULE_LNS \(Overloaded\)](#) on page 25-42

25.5.1 CREATE_ACC_GEN_RULE (Overloaded)

This overloaded procedure includes:

- [CREATE_ACC_GEN_RULE](#) on page 25-16
- [CREATE_ACC_GEN_RULE](#) on page 25-17
- [CREATE_ACC_GEN_RULE](#) on page 25-18

CREATE_ACC_GEN_RULE

Procedure Specification

Procedure CREATE_ACC_GEN_RULE

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_agrv_rec             IN      OKL_AGR_PVT.AGRV_REC_TYPE,
  p_aulv_tbl             IN      OKL_AUL_PVT.AULV_TBL_TYPE,
  x_agrv_rec             OUT     OKL_AGR_PVT.AGRV_REC_TYPE,
  x_aulv_tbl             OUT     OKL_AUL_PVT.AULV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–21 CREATE_ACC_GEN_RULE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_agrv_rec	OKL_AGR_PVT.AGRV_REC_TYPE	Yes	Record type for table OKL_ACC_GEN_RULES_V.
p_aulv_tbl	OKL_AUL_PVT.AULV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RULE_LNS_V.

OUT Parameters

Table 25–22 CREATE_ACC_GEN_RULE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_agrv_rec	OKL_AGR_PVT.AGRV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RULES_V.
x_aulv_tbl	OKL_AUL_PVT.AULV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RUL_LNS_V.

CREATE_ACC_GEN_RULE

Procedure Specification

```

Procedure CREATE_ACC_GEN_RULE
(
    p_api_version          IN          NUMBER,
    p_init_msg_list        IN          VARCHAR2,
    x_return_status        OUT         VARCHAR2,
    x_msg_count            OUT         NUMBER,
    x_msg_data             OUT         VARCHAR2,
    p_agrv_tbl             IN          OKL_AGR_PVT.AGRV_TBL_TYPE,
    x_agrv_tbl             OUT         OKL_AGR_PVT.AGRV_TBL_TYPE
);

```

Current Version

1.0

IN Parameters

Table 25-23 CREATE_ACC_GEN_RULE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_agrv_tbl	OKL_AGR_PVT.AGRV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RULES_V.

OUT Parameters

Table 25-24 CREATE_ACC_GEN_RULE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_agrv_tbl	OKL_AGR_PVT.AGRV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RULES_V.

CREATE_ACC_GEN_RULE

Procedure Specification

```
Procedure CREATE_ACC_GEN_RULE
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_agrv_rec             IN      OKL_AGR_PVT.AGRV_REC_TYPE,
  x_agrv_rec             OUT     OKL_AGR_PVT.AGRV_REC_TYPE
);
```

Current Version

1.0

IN Parameters**Table 25–25 CREATE_ACC_GEN_RULE IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_agrv_rec	OKL_AGR_PVT.AGRV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RULES_V.

OUT Parameters**Table 25–26 CREATE_ACC_GEN_RULE OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_agrv_rec	OKL_AGR_PVT.AGRV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RULES_V.

25.5.2 CREATE_ACC_GEN_RULE_LNS (Overloaded)

This overloaded procedure includes:

- [CREATE_ACC_GEN_RULE_LNS](#) on page 25-20
- [CREATE_ACC_GEN_RULE_LNS](#) on page 25-21

CREATE_ACC_GEN_RULE_LNS

Procedure Specification

```
Procedure CREATE_ACC_GEN_RULE_LNS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_aulv_tbl             IN      OKL_AUL_PVT.AULV_TBL_TYPE,
    x_aulv_tbl             OUT     OKL_AUL_PVT.AULV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–27 CREATE_ACC_GEN_RULE_LNS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aulv_tbl	OKL_AUL_PVT.AULV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RUL_LNS_V.

OUT Parameters

Table 25–28 CREATE_ACC_GEN_RULE_LNS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 25–28 CREATE_ACC_GEN_RULE_LNS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_aulv_tbl	OKL_AUL_PVT.AULV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RUL_LNS_V.

CREATE_ACC_GEN_RULE_LNS

Procedure Specification

Procedure CREATE_ACC_GEN_RULE_LNS

```
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_aulv_rec             IN      OKL_AUL_PVT.AULV_REC_TYPE,
    x_aulv_rec             OUT     OKL_AUL_PVT.AULV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–29 CREATE_ACC_GEN_RULE_LNS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aulv_rec	OKL_AUL_PVT.AULV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RUL_LNS_V.

OUT Parameters

Table 25–30 CREATE_ACC_GEN_RULE_LNS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_aulv_rec	OKL_AUL_PVT.AULV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RUL_LNS_V.

25.5.3 DELETE_ACC_GEN_RULE (Overloaded)

This overloaded procedure includes:

- [DELETE_ACC_GEN_RULE](#) on page 25-22
- [DELETE_ACC_GEN_RULE](#) on page 25-23

DELETE_ACC_GEN_RULE

Procedure Specification

```
Procedure DELETE_ACC_GEN_RULE
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_agrv_tbl              IN      OKL_AGR_PVT.AGRV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–31 DELETE_ACC_GEN_RULE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_agrv_tbl	OKL_AGR_PVT.AGRV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RULES_V.

OUT Parameters

Table 25–32 DELETE_ACC_GEN_RULE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_ACC_GEN_RULE

Procedure Specification

```

Procedure DELETE_ACC_GEN_RULE
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_agrv_rec             IN      OKL_AGR_PVT.AGRV_REC_TYPE
);

```

Current Version

1.0

IN Parameters

Table 25–33 DELETE_ACC_GEN_RULE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_agrv_rec	OKL_AGR_PVT.AGRV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RULES_V.

OUT Parameters

Table 25–34 DELETE_ACC_GEN_RULE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

25.5.4 DELETE_ACC_GEN_RULE_LNS (Overloaded)

This overloaded procedure includes:

- [DELETE_ACC_GEN_RULE_LNS](#) on page 25-24
- [DELETE_ACC_GEN_RULE_LNS](#) on page 25-26

DELETE_ACC_GEN_RULE_LNS

Procedure Specification

Procedure DELETE_ACC_GEN_RULE_LNS
(

```

p_api_version          IN      NUMBER,
p_init_msg_list        IN      VARCHAR2,
x_return_status        OUT     VARCHAR2,
x_msg_count            OUT     NUMBER,
x_msg_data             OUT     VARCHAR2,
p_aulv_tbl             IN      OKL_AUL_PVT.AULV_TBL_TYPE
);

```

Current Version

1.0

IN Parameters

Table 25–35 DELETE_ACC_GEN_RULE_LNS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aulv_tbl	OKL_AUL_PVT.AULV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RUL_LNS_V.

OUT Parameters

Table 25–36 DELETE_ACC_GEN_RULE_LNS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_ACC_GEN_RULE_LNS

Procedure Specification

```
Procedure DELETE_ACC_GEN_RULE_LNS
(
    p_api_version          IN          NUMBER,
    p_init_msg_list        IN          VARCHAR2,
    x_return_status        OUT         VARCHAR2,
    x_msg_count            OUT         NUMBER,
    x_msg_data             OUT         VARCHAR2,
    p_aulv_rec             IN          OKL_AUL_PVT.AULV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25-37 DELETE_ACC_GEN_RULE_LNS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aulv_rec	OKL_AUL_PVT.AULV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RUL_LNS_V.

OUT Parameters

Table 25-38 DELETE_ACC_GEN_RULE_LNS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 25–38 DELETE_ACC_GEN_RULE_LNS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

25.5.5 LOCK_ACC_GEN_RULE (Overloaded)

This overloaded procedure includes:

- [LOCK_ACC_GEN_RULE](#) on page 25-27
- [LOCK_ACC_GEN_RULE](#) on page 25-28

LOCK_ACC_GEN_RULE

Procedure Specification

```

Procedure LOCK_ACC_GEN_RULE
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_agrv_tbl              IN      OKL_AGR_PVT.AGRV_TBL_TYPE
);

```

Current Version

1.0

IN Parameters

Table 25–39 LOCK_ACC_GEN_RULE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 25–39 LOCK_ACC_GEN_RULE IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_agrv_tbl	OKL_AGR_PVT.AGRV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RULES_V.

OUT Parameters

Table 25–40 LOCK_ACC_GEN_RULE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_ACC_GEN_RULE

Procedure Specification

```
Procedure LOCK_ACC_GEN_RULE
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_agrv_rec              IN      OKL_AGR_PVT.AGRV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–41 LOCK_ACC_GEN_RULE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_agrv_rec	OKL_AGR_PVT.AGRV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RULES_V.

OUT Parameters

Table 25–42 LOCK_ACC_GEN_RULE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

25.5.6 LOCK_ACC_GEN_RULE_LNS (Overloaded)

This overloaded procedure includes:

- [LOCK_ACC_GEN_RULE_LNS](#) on page 25-29
- [LOCK_ACC_GEN_RULE_LNS](#) on page 25-30

LOCK_ACC_GEN_RULE_LNS

Procedure Specification

Procedure LOCK_ACC_GEN_RULE_LNS

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
```

```

x_msg_data          OUT      VARCHAR2,
p_aulv_tbl          IN       OKL_AUL_PVT.AULV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–43 LOCK_ACC_GEN_RULE_LNS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aulv_tbl	OKL_AUL_PVT.AULV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RUL_LNS_V.

OUT Parameters

Table 25–44 LOCK_ACC_GEN_RULE_LNS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_ACC_GEN_RULE_LNS

Procedure Specification

```

Procedure LOCK_ACC_GEN_RULE_LNS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
```



```

x_return_status      OUT      VARCHAR2,
x_msg_count          OUT      NUMBER,
x_msg_data           OUT      VARCHAR2,
p_aulv_rec           IN       OKL_AUL_PVT.AULV_REC_TYPE
);

```

Current Version

1.0

IN Parameters

Table 25–45 LOCK_ACC_GEN_RULE_LNS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aulv_rec	OKL_AUL_PVT.AULV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RUL_LNS_V.

OUT Parameters

Table 25–46 LOCK_ACC_GEN_RULE_LNS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

25.5.7 UPDATE_ACC_GEN_RULE (Overloaded)

This overloaded procedure includes:

- [UPDATE_ACC_GEN_RULE](#) on page 25-32
- [UPDATE_ACC_GEN_RULE](#) on page 25-33
- [UPDATE_ACC_GEN_RULE](#) on page 25-34

UPDATE_ACC_GEN_RULE

Procedure Specification

Procedure UPDATE_ACC_GEN_RULE

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_agrv_rec             IN      OKL_AGR_PVT.AGRV_REC_TYPE,
  p_aulv_tbl             IN      OKL_AUL_PVT.AULV_TBL_TYPE,
  x_agrv_rec             OUT     OKL_AGR_PVT.AGRV_REC_TYPE,
  x_aulv_tbl             OUT     OKL_AUL_PVT.AULV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–47 UPDATE_ACC_GEN_RULE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_agrv_rec	OKL_AGR_PVT.AGRV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RULES_V.

Table 25–47 UPDATE_ACC_GEN_RULE IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_aulv_tbl	OKL_AUL_ PVT.AULV_TBL_ TYPE	Yes	Table type for view OKL_ ACC_GEN_RUL_LNS_V.

OUT Parameters

Table 25–48 UPDATE_ACC_GEN_RULE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_agrv_rec	OKL_AGR_ PVT.AGRV_REC_ TYPE	Yes	Record type for view OKL_ ACC_GEN_RULES_V.
x_aulv_tbl	OKL_AUL_ PVT.AULV_TBL_ TYPE	Yes	Table type for view OKL_ ACC_GEN_RUL_LNS_V.

UPDATE_ACC_GEN_RULE

Procedure Specification

Procedure UPDATE_ACC_GEN_RULE

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_agrv_tbl            IN      OKL_AGR_PVT.AGRV_TBL_TYPE,
  x_agrv_tbl            OUT     OKL_AGR_PVT.AGRV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–49 UPDATE_ACC_GEN_RULE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_agrv_tbl	OKL_AGR_PVT.AGRV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RULES_V.

OUT Parameters

Table 25–50 UPDATE_ACC_GEN_RULE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_agrv_tbl	OKL_AGR_PVT.AGRV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RULES_V.

UPDATE_ACC_GEN_RULE

Procedure Specification

```
Procedure UPDATE_ACC_GEN_RULE
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
```

```

x_msg_data          OUT      VARCHAR2,
p_agrv_rec          IN       OKL_AGR_PVT.AGRV_REC_TYPE,
x_agrv_rec          OUT      OKL_AGR_PVT.AGRV_REC_TYPE
);

```

Current Version

1.0

IN Parameters

Table 25–51 UPDATE_ACC_GEN_RULE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_agrv_rec	OKL_AGR_PVT.AGRV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RULES_V.

OUT Parameters

Table 25–52 UPDATE_ACC_GEN_RULE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_agrv_rec	OKL_AGR_PVT.AGRV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RULES_V.

25.5.8 UPDATE_ACC_GEN_RULE_LNS (Overloaded)

This overloaded procedure includes:

- [UPDATE_ACC_GEN_RULE_LNS](#) on page 25-36
- [UPDATE_ACC_GEN_RULE_LNS](#) on page 25-37

UPDATE_ACC_GEN_RULE_LNS

Procedure Specification

```
Procedure UPDATE_ACC_GEN_RULE_LNS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_aulv_tbl              IN      OKL_AUL_PVT.AULV_TBL_TYPE,
    x_aulv_tbl              OUT     OKL_AUL_PVT.AULV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–53 UPDATE_ACC_GEN_RULE_LNS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aulv_tbl	OKL_AUL_PVT.AULV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RUL_LNS_V.

OUT Parameters

Table 25–54 UPDATE_ACC_GEN_RULE_LNS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_aulv_tbl	OKL_AUL_PVT.AULV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RUL_LNS_V.

UPDATE_ACC_GEN_RULE_LNS

Procedure Specification

Procedure UPDATE_ACC_GEN_RULE_LNS

```
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_aulv_rec             IN      OKL_AUL_PVT.AULV_REC_TYPE,
    x_aulv_rec             OUT     OKL_AUL_PVT.AULV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–55 UPDATE_ACC_GEN_RULE_LNS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 25–55 UPDATE_ACC_GEN_RULE_LNS IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aulv_rec	OKL_AUL_PVT.AULV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RUL_LNS_V.

OUT Parameters

Table 25–56 UPDATE_ACC_GEN_RULE_LNS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_aulv_rec	OKL_AUL_PVT.AULV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RUL_LNS_V.

25.5.9 VALIDATE_ACC_GEN_RULE (Overloaded)

This overloaded procedure includes:

- [VALIDATE_ACC_GEN_RULE](#) on page 25-38
- [VALIDATE_ACC_GEN_RULE](#) on page 25-40
- [VALIDATE_ACC_GEN_RULE](#) on page 25-41

VALIDATE_ACC_GEN_RULE

Procedure Specification

```
Procedure VALIDATE_ACC_GEN_RULE
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
```



```

x_msg_count          OUT      NUMBER,
x_msg_data           OUT      VARCHAR2,
p_agrv_rec           IN       OKL_AGR_PVT.AGRV_REC_TYPE,
p_aulv_tbl           IN       OKL_AUL_PVT.AULV_TBL_TYPE
);

```

Current Version

1.0

IN Parameters

Table 25–57 *VALIDATE_ACC_GEN_RULE IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_agrv_rec	OKL_AGR_PVT.AGRV_REC_TYPE	Yes	Table type for view OKL_ACC_GEN_RULES_V.
p_aulv_tbl	OKL_AUL_PVT.AULV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RUL_LNS_V.

OUT Parameters

Table 25–58 *VALIDATE_ACC_GEN_RULE OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_ACC_GEN_RULE

Procedure Specification

```
Procedure VALIDATE_ACC_GEN_RULE
(
    p_api_version          IN          NUMBER,
    p_init_msg_list        IN          VARCHAR2,
    x_return_status        OUT         VARCHAR2,
    x_msg_count            OUT         NUMBER,
    x_msg_data             OUT         VARCHAR2,
    p_agrv_tbl             IN          OKL_AGR_PVT.AGRV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–59 VALIDATE_ACC_GEN_RULE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_agrv_tbl	OKL_AGR_PVT.AGRV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RULES_V.

OUT Parameters

Table 25–60 VALIDATE_ACC_GEN_RULE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 25–60 VALIDATE_ACC_GEN_RULE OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_ACC_GEN_RULE

Procedure Specification

```

Procedure VALIDATE_ACC_GEN_RULE
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_agrv_rec             IN      OKL_AGR_PVT.AGRV_REC_TYPE
);

```

Current Version

1.0

IN Parameters

Table 25–61 VALIDATE_ACC_GEN_RULE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_agrv_rec	OKL_AGR_PVT.AGRV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RULES_V.

OUT Parameters

Table 25–62 VALIDATE_ACC_GEN_RULE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

25.5.10 VALIDATE_ACC_GEN_RULE_LNS (Overloaded)

This overloaded procedure includes:

- [VALIDATE_ACC_GEN_RULE_LNS](#) on page 25-42
- [VALIDATE_ACC_GEN_RULE_LNS](#) on page 25-43

VALIDATE_ACC_GEN_RULE_LNS

Procedure Specification

```
Procedure VALIDATE_ACC_GEN_RULE_LNS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_aulv_tbl              IN      OKL_AUL_PVT.AULV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–63 *VALIDATE_ACC_GEN_RULE_LNS IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aulv_tbl	OKL_AUL_PVT.AULV_TBL_TYPE	Yes	Table type for view OKL_ACC_GEN_RUL_LNS_V.

OUT Parameters

Table 25–64 *VALIDATE_ACC_GEN_RULE_LNS OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_ACC_GEN_RULE_LNS

Procedure Specification

Procedure VALIDATE_ACC_GEN_RULE_LNS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_aulv_rec             IN      OKL_AUL_PVT.AULV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–65 VALIDATE_ACC_GEN_RULE_LNS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_aulv_rec	OKL_AUL_PVT.AULV_REC_TYPE	Yes	Record type for view OKL_ACC_GEN_RUL_LNS_V.

OUT Parameters

Table 25–66 VALIDATE_ACC_GEN_RULE_LNS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

25.6 Package OKL_INDEX_INTERFACES_PUB

This package contains the following procedures:

- [DELETE_INDEX_INTERFACES \(Overloaded\)](#)
- [INSERT_INDEX_INTERFACES \(Overloaded\)](#)
- [LOCK_INDEX_INTERFACES \(Overloaded\)](#)
- [UPDATE_INDEX_INTERFACES \(Overloaded\)](#)
- [VALIDATE_INDEX_INTERFACES \(Overloaded\)](#)

25.6.1 DELETE_INDEX_INTERFACES (Overloaded)

This overloaded procedure includes:

- [DELETE_INDEX_INTERFACES](#) on page 25-45
- [DELETE_INDEX_INTERFACES](#) on page 25-46

DELETE_INDEX_INTERFACES

Procedure Specification

```
Procedure DELETE_INDEX_INTERFACES
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_idiv_rec              IN      OKL_IDI_PVT.IDIV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25-67 *DELETE_INDEX_INTERFACES IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idiv_rec	OKL_IDI_PVT.IDIV_REC_TYPE	Yes	Record type for view OKL_INDX_INTERFACES_V.

OUT Parameters

Table 25–68 DELETE_INDEX_INTERFACES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_INDEX_INTERFACES

Procedure Specification

```
Procedure DELETE_INDEX_INTERFACES
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_idiv_tbl              IN      OKL_IDI_PVT.IDIV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–69 DELETE_INDEX_INTERFACES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idiv_tbl	OKL_IDI_PVT.IDIV_TBL_TYPE	Yes	Table type for view OKL_INDX_INTERFACES_V.

OUT Parameters

Table 25–70 DELETE_INDEX_INTERFACES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

25.6.2 INSERT_INDEX_INTERFACES (Overloaded)

This overloaded procedure includes:

- [INSERT_INDEX_INTERFACES](#) on page 25-47
- [INSERT_INDEX_INTERFACES](#) on page 25-48

INSERT_INDEX_INTERFACES

Procedure Specification

```
Procedure INSERT_INDEX_INTERFACES
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_idiv_rec             IN      OKL_IDI_PVT.IDIV_REC_TYPE,
    x_idiv_rec             OUT     OKL_IDI_PVT.IDIV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–71 INSERT_INDEX_INTERFACES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idiv_rec	OKL_IDI_PVT.IDIV_REC_TYPE	Yes	Record type for view OKL_INDX_INTERFACES_V.

OUT Parameters

Table 25–72 INSERT_INDEX_INTERFACES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_idiv_rec	OKL_IDI_PVT.IDIV_REC_TYPE	Yes	Record type for view OKL_INDX_INTERFACES_V.

INSERT_INDEX_INTERFACES

Procedure Specification

```
Procedure INSERT_INDEX_INTERFACES
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_idiv_tbl              IN      OKL_IDI_PVT.IDIV_TBL_TYPE,
    x_idiv_tbl              OUT     OKL_IDI_PVT.IDIV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters**Table 25–73 INSERT_INDEX_INTERFACES IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idiv_tbl	OKL_IDI_PVT.IDIV_TBL_TYPE	Yes	Table type for view OKL_INDX_INTERFACES_V.

OUT Parameters**Table 25–74 INSERT_INDEX_INTERFACES OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_idiv_tbl	OKL_IDI_PVT.IDIV_TBL_TYPE	Yes	Table type for view OKL_INDX_INTERFACES_V.

25.6.3 LOCK_INDEX_INTERFACES (Overloaded)

This overloaded procedure includes:

- [LOCK_INDEX_INTERFACES](#) on page 25-50
- [LOCK_INDEX_INTERFACES](#) on page 25-51

LOCK_INDEX_INTERFACES

Procedure Specification

```
Procedure LOCK_INDEX_INTERFACES
(
    p_api_version          IN          NUMBER,
    p_init_msg_list        IN          VARCHAR2,
    x_return_status        OUT         VARCHAR2,
    x_msg_count            OUT         NUMBER,
    x_msg_data             OUT         VARCHAR2,
    p_idiv_rec             IN          OKL_IDI_PVT.IDIV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–75 LOCK_INDEX_INTERFACES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idiv_rec	OKL_IDI_PVT.IDIV_REC_TYPE	Yes	Record type for view OKL_INDX_INTERFACES_V.

OUT Parameters

Table 25–76 LOCK_INDEX_INTERFACES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_INDEX_INTERFACES

Procedure Specification

```
Procedure LOCK_INDEX_INTERFACES
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_idiv_tbl             IN      OKL_IDI_PVT.IDIV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–77 LOCK_INDEX_INTERFACES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idiv_tbl	OKL_IDI_PVT.IDIV_TBL_TYPE	Yes	Table type for view OKL_INDX_INTERFACES_V.

OUT Parameters

Table 25–78 LOCK_INDEX_INTERFACES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

25.6.4 UPDATE_INDEX_INTERFACES (Overloaded)

This overloaded procedure includes:

- [UPDATE_INDEX_INTERFACES](#) on page 25-52
- [UPDATE_INDEX_INTERFACES](#) on page 25-53

UPDATE_INDEX_INTERFACES

Procedure Specification

```
Procedure UPDATE_INDEX_INTERFACES
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_idiv_rec              IN      OKL_IDI_PVT.IDIV_REC_TYPE,
    x_idiv_rec              OUT     OKL_IDI_PVT.IDIV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–79 UPDATE_INDEX_INTERFACES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idiv_rec	OKL_IDI_PVT.IDIV_REC_TYPE	Yes	Record type for view OKL_INDX_INTERFACES_V.

OUT Parameters

Table 25–80 UPDATE_INDEX_INTERFACES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_idiv_rec	OKL_IDI_PVT.IDIV_REC_TYPE	Yes	Record type for view OKL_INDEX_INTERFACES_V.

UPDATE_INDEX_INTERFACES

Procedure Specification

Procedure UPDATE_INDEX_INTERFACES

```
(  
    p_api_version          IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_idiv_tbl             IN      OKL_IDI_PVT.IDIV_TBL_TYPE,  
    x_idiv_tbl             OUT     OKL_IDI_PVT.IDIV_TBL_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 25–81 UPDATE_INDEX_INTERFACES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 25–81 UPDATE_INDEX_INTERFACES IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idiv_tbl	OKL_IDI_PVT.IDIV_TBL_TYPE	Yes	Record type for view OKL_INDX_INTERFACES_V.

OUT Parameters

Table 25–82 UPDATE_INDEX_INTERFACES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_idiv_tbl	OKL_IDI_PVT.IDIV_TBL_TYPE	Yes	Record type for view OKL_INDX_INTERFACES_V.

25.6.5 VALIDATE_INDEX_INTERFACES (Overloaded)

This overloaded procedure includes:

- [VALIDATE_INDEX_INTERFACES](#) on page 25-54
- [VALIDATE_INDEX_INTERFACES](#) on page 25-55

VALIDATE_INDEX_INTERFACES

Procedure Specification

```
Procedure VALIDATE_INDEX_INTERFACES
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_idiv_rec              IN      OKL_IDI_PVT.IDIV_REC_TYPE
);
```


Current Version

1.0

IN Parameters

Table 25–83 VALIDATE_INDEX_INTERFACES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idiv_rec	OKL_IDI_PVT.IDIV_REC_TYPE	Yes	Record type for view OKL_INDEX_INTERFACES_V.

OUT Parameters

Table 25–84 VALIDATE_INDEX_INTERFACES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_INDEX_INTERFACES

Procedure Specification

```
Procedure VALIDATE_INDEX_INTERFACES
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_idiv_tbl              IN      OKL_IDI_PVT.IDIV_TBL_TYPE
```

);

Current Version

1.0

IN Parameters

Table 25–85 VALIDATE_INDEX_INTERFACES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idiv_tbl	OKL_IDI_PVT.IDIV_TBL_TYPE	Yes	Table type for view OKL_INDX_INTERFACES_V.

OUT Parameters

Table 25–86 VALIDATE_INDEX_INTERFACES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

25.7 Package OKL_INDICES_PUB

This package contains the following procedures:

- [CREATE_INDEX_VALUES \(Overloaded\)](#)
- [CREATE_INDICES \(Overloaded\)](#)
- [DELETE_INDEX_VALUES \(Overloaded\)](#)
- [DELETE_INDICES \(Overloaded\)](#)

- [LOCK_INDEX_VALUES \(Overloaded\)](#)
- [LOCK_INDICES \(Overloaded\)](#)
- [UPDATE_INDEX_VALUES \(Overloaded\)](#)
- [UPDATE_INDICES \(Overloaded\)](#)
- [VALIDATE_INDEX_VALUES \(Overloaded\)](#)
- [VALIDATE_INDICES \(Overloaded\)](#)

25.7.1 CREATE_INDEX_VALUES (Overloaded)

This overloaded procedure includes:

- [CREATE_INDEX_VALUES](#) on page 25-57
- [CREATE_INDEX_VALUES](#) on page 25-58

CREATE_INDEX_VALUES

Procedure Specification

```
Procedure CREATE_INDEX_VALUES
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_ivev_tbl              IN      OKL_IVE_PVT.IVEV_TBL_TYPE,
    x_ivev_tbl              OUT     OKL_IVE_PVT.IVEV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–87 CREATE_INDEX_VALUES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 25–87 CREATE_INDEX_VALUES IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ivev_tbl	OKL_IVE_PVT.IVEV_TBL_TYPE	Yes	Table type for view OKL_INDEX_VALUES_V.

OUT Parameters

Table 25–88 CREATE_INDEX_VALUES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ivev_tbl	OKL_IVE_PVT.IVEV_TBL_TYPE	Yes	Table type for view OKL_INDEX_VALUES_V.

CREATE_INDEX_VALUES

Procedure Specification

```
Procedure CREATE_INDEX_VALUES
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_ivev_rec              IN      OKL_IVE_PVT.IVEV_REC_TYPE,
  x_ivev_rec              OUT     OKL_IVE_PVT.IVEV_REC_TYPE
);
```

Current Version

1.0

IN Parameters**Table 25–89 CREATE_INDEX_VALUES IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ivev_rec	OKL_IVE_ PVT.IVEV_REC_ TYPE	Yes	Record type for view OKL_INDEX_VALUES_V.

OUT Parameters**Table 25–90 CREATE_INDEX_VALUES OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ivev_rec	OKL_IVE_ PVT.IVEV_REC_ TYPE	Yes	Record type for view OKL_INDEX_VALUES_V.

25.7.2 CREATE_INDICES (Overloaded)

This overloaded procedure includes:

- [CREATE_INDICES](#) on page 25-60
- [CREATE_INDICES](#) on page 25-61
- [CREATE_INDICES](#) on page 25-62

CREATE_INDICES

Procedure Specification

```
Procedure CREATE_INDICES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_idxv_rec             IN      OKL_IDX_PVT.IDXV_REC_TYPE,
  p_ivev_tbl             IN      OKL_IVE_PVT.IVEV_TBL_TYPE,
  x_idxv_rec             OUT     OKL_IDX_PVT.IDXV_REC_TYPE,
  x_ivev_tbl             OUT     OKL_IVE_PVT.IVEV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–91 CREATE_INDICES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idxv_rec	OKL_IDX_PVT.IDXV_REC_TYPE	Yes	Record type for view OKL_INDICES_V.
p_ivev_tbl	OKL_IVE_PVT.IVEV_TBL_TYPE	Yes	Table type for view OKL_INDEX_VALUES_V.

OUT Parameters

Table 25–92 CREATE_INDICES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_idxv_rec	OKL_IDX_PVT.IDXV_REC_TYPE	Yes	Record type for view OKL_INDICES_V.
x_ivev_tbl	OKL_IVE_PVT.IVEV_TBL_TYPE	Yes	Table type for view OKL_INDEX_VALUES_V.

CREATE_INDICES

Procedure Specification

```
Procedure CREATE_INDICES
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_idxv_tbl              IN      OKL_IDX_PVT.IDXV_TBL_TYPE,
    x_idxv_tbl              OUT     OKL_IDX_PVT.IDXV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–93 CREATE_INDICES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idxv_tbl	OKL_IDX_PVT.IDXV_TBL_TYPE	Yes	Table type for view OKL_INDICES_V.

OUT Parameters

Table 25–94 CREATE_INDICES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_idxv_tbl	OKL_IDX_PVT.IDXV_TBL_TYPE	Yes	Table type for view OKL_INDICES_V.

CREATE_INDICES

Procedure Specification

```
Procedure CREATE_INDICES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_idxv_rec             IN      OKL_IDX_PVT.IDXV_REC_TYPE,
  x_idxv_rec             OUT     OKL_IDX_PVT.IDXV_REC_TYPE
);
```


Current Version

1.0

IN Parameters**Table 25–95 CREATE_INDICES IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idxv_rec	OKL_IDX_ PVT.IDXV_REC_ TYPE	Yes	Record type for view OKL_INDICES_V.

OUT Parameters**Table 25–96 CREATE_INDICES OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_idxv_rec	OKL_IDX_ PVT.IDXV_REC_ TYPE	Yes	Record type for view OKL_INDICES_V.

25.7.3 DELETE_INDEX_VALUES (Overloaded)

This overloaded procedure includes:

- [DELETE_INDEX_VALUES](#) on page 25-64
- [DELETE_INDEX_VALUES](#) on page 25-65

DELETE_INDEX_VALUES

Procedure Specification

```
Procedure DELETE_INDEX_VALUES
(
    p_api_version          IN          NUMBER,
    p_init_msg_list        IN          VARCHAR2,
    x_return_status        OUT         VARCHAR2,
    x_msg_count            OUT         NUMBER,
    x_msg_data             OUT         VARCHAR2,
    p_ivev_tbl             IN          OKL_IVE_PVT.IVEV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–97 DELETE_INDEX_VALUES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ivev_tbl	OKL_IVE_PVT.IVEV_TBL_TYPE	Yes	Table type for view OKL_INDEX_VALUES_V.

OUT Parameters

Table 25–98 DELETE_INDEX_VALUES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 25–98 DELETE_INDEX_VALUES OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_INDEX_VALUES

Procedure Specification

Procedure DELETE_INDEX_VALUES

```
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_ivev_rec             IN      OKL_IVE_PVT.IVEV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–99 DELETE_INDEX_VALUES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ivev_rec	OKL_IVE_PVT.IVEV_REC_TYPE	Yes	Record type for view OKL_INDEX_VALUES_V.

OUT Parameters

Table 25–100 DELETE_INDEX_VALUES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

25.7.4 DELETE_INDICES (Overloaded)

This overloaded procedure includes:

- [DELETE_INDICES](#) on page 25-66
- [DELETE_INDICES](#) on page 25-67

DELETE_INDICES

Procedure Specification

```
Procedure DELETE_INDICES
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_idxv_tbl              IN      OKL_IDX_PVT.IDXV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–101 DELETE_INDICES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idxv_tbl	OKL_IDX_PVT.IDXV_TBL_TYPE	Yes	Table type for view OKL_INDICES_V.

OUT Parameters

Table 25–102 DELETE_INDICES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_INDICES

Procedure Specification

Procedure DELETE_INDICES

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_idxv_rec             IN      OKL_IDX_PVT.IDXV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–103 DELETE_INDICES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idxv_rec	OKL_IDX_PVT.IDXV_REC_TYPE	Yes	Record type for view OKL_INDICES_V.

OUT Parameters

Table 25–104 DELETE_INDICES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

25.7.5 LOCK_INDEX_VALUES (Overloaded)

This overloaded procedure includes:

- [LOCK_INDEX_VALUES](#) on page 25-68
- [LOCK_INDEX_VALUES](#) on page 25-70

LOCK_INDEX_VALUES

Procedure Specification

Procedure LOCK_INDEX_VALUES
(

```
p_api_version          IN      NUMBER,
p_init_msg_list        IN      VARCHAR2,
x_return_status        OUT     VARCHAR2,
x_msg_count            OUT     NUMBER,
x_msg_data             OUT     VARCHAR2,
p_ivev_tbl             IN      OKL_IVE_PVT.IVEV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–105 LOCK_INDEX_VALUES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ivev_tbl	OKL_IVE_PVT.IVEV_TBL_TYPE	Yes	Table type for view OKL_INDEX_VALUES_V.

OUT Parameters

Table 25–106 LOCK_INDEX_VALUES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_INDEX_VALUES

Procedure Specification

Procedure LOCK_INDEX_VALUES

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_ivev_rec             IN      OKL_IVE_PVT.IVEV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–107 LOCK_INDEX_VALUES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ivev_rec	OKL_IVE_PVT.IVEV_REC_TYPE	Yes	Record type for view OKL_INDEX_VALUES_V.

OUT Parameters

Table 25–108 LOCK_INDEX_VALUES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 25–108 LOCK_INDEX_VALUES OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

25.7.6 LOCK_INDICES (Overloaded)

This overloaded procedure includes:

- [LOCK_INDICES](#) on page 25-71
- [LOCK_INDICES](#) on page 25-72

LOCK_INDICES

Procedure Specification

```
Procedure LOCK_INDICES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_idxv_tbl             IN      OKL_IDX_PVT.IDXV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–109 LOCK_INDICES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 25–109 LOCK_INDICES IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_idxv_tbl	OKL_IDX_PVT.IDXV_TBL_TYPE	Yes	Table type for view OKL_INDICES_V.

OUT Parameters

Table 25–110 LOCK_INDICES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_INDICES

Procedure Specification

```
Procedure LOCK_INDICES
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_idxv_rec              IN      OKL_IDX_PVT.IDXV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–111 LOCK_INDICES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idxv_rec	OKL_IDX_PVT.IDXV_REC_TYPE	Yes	Record type for view OKL_INDICES_V.

OUT Parameters

Table 25–112 LOCK_INDICES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

25.7.7 UPDATE_INDEX_VALUES (Overloaded)

This overloaded procedure includes:

- [UPDATE_INDEX_VALUES](#) on page 25-73
- [UPDATE_INDEX_VALUES](#) on page 25-75

UPDATE_INDEX_VALUES

Procedure Specification

Procedure UPDATE_INDEX_VALUES

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
```

```
x_msg_data          OUT      VARCHAR2,
p_ivev_tbl          IN        OKL_IVE_PVT.IVEV_TBL_TYPE,
x_ivev_tbl          OUT      OKL_IVE_PVT.IVEV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–113 UPDATE_INDEX_VALUES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ivev_tbl	OKL_IVE_PVT.IVEV_TBL_TYPE	Yes	Table type for view OKL_INDEX_VALUES_V.

OUT Parameters

Table 25–114 UPDATE_INDEX_VALUES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ivev_tbl	OKL_IVE_PVT.IVEV_TBL_TYPE	Yes	Table type for view OKL_INDEX_VALUES_V.

UPDATE_INDEX_VALUES

Procedure Specification

```
Procedure UPDATE_INDEX_VALUES
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_ivev_rec             IN      OKL_IVE_PVT.IVEV_REC_TYPE,
    x_ivev_rec             OUT     OKL_IVE_PVT.IVEV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–115 UPDATE_INDEX_VALUES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ivev_rec	OKL_IVE_PVT.IVEV_REC_TYPE	Yes	Record type for view OKL_INDEX_VALUES_V.

OUT Parameters

Table 25–116 UPDATE_INDEX_VALUES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 25–116 UPDATE_INDEX_VALUES OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_ivev_rec	OKL_IVE_PVT.IVEV_REC_TYPE	Yes	Record type for view OKL_INDEX_VALUES_V.

25.7.8 UPDATE_INDICES (Overloaded)

This overloaded procedure includes:

- [UPDATE_INDICES](#) on page 25-76
- [UPDATE_INDICES](#) on page 25-77
- [UPDATE_INDICES](#) on page 25-79

UPDATE_INDICES

Procedure Specification

Procedure UPDATE_INDICES

```
(  
    p_api_version           IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    p_idxv_rec             IN      OKL_IDX_PVT.IDXV_REC_TYPE,  
    p_ivev_tbl             IN      OKL_IVE_PVT.IVEV_TBL_TYPE,  
    x_idxv_rec             OUT     OKL_IDX_PVT.IDXV_REC_TYPE,  
    x_ivev_tbl             OUT     OKL_IVE_PVT.IVEV_TBL_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 25–117 UPDATE_INDICES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idxv_rec	OKL_IDX_ PVT.IDXV_REC_ TYPE	Yes	Record type for view OKL_ INDICES_V.
p_ivev_tbl	OKL_IVE_ PVT.IVEV_TBL_ TYPE	Yes	Table type for view OKL_ INDEX_VALUES_V.

OUT Parameters

Table 25–118 UPDATE_INDICES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_idxv_rec	OKL_IDX_ PVT.IDXV_REC_ TYPE	Yes	Record type for view OKL_ INDICES_V.
x_ivev_tbl	OKL_IVE_ PVT.IVEV_TBL_ TYPE	Yes	Table type for view OKL_ INDEX_VALUES_V.

UPDATE_INDICES

Procedure Specification

Procedure UPDATE_INDICES

```
(
    p_api_version          IN      NUMBER,
```

```
p_init_msg_list          IN      VARCHAR2,
x_return_status          OUT     VARCHAR2,
x_msg_count              OUT     NUMBER,
x_msg_data               OUT     VARCHAR2,
p_idxv_tbl               IN      OKL_IDX_PVT.IDXV_TBL_TYPE,
x_idxv_tbl               OUT     OKL_IDX_PVT.IDXV_TBL_TYPE
);
```

Current Version
1.0

IN Parameters

Table 25–119 UPDATE_INDICES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idxv_tbl	OKL_IDX_PVT.IDXV_TBL_TYPE	Yes	Table type for view OKL_INDICES_V.

OUT Parameters

Table 25–120 UPDATE_INDICES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_idxv_tbl	OKL_IDX_PVT.IDXV_TBL_TYPE	Yes	Table type for view OKL_INDICES_V.

UPDATE_INDICES

Procedure Specification

```
Procedure UPDATE_INDICES
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_idxv_rec             IN      OKL_IDX_PVT.IDXV_REC_TYPE,
    x_idxv_rec             OUT     OKL_IDX_PVT.IDXV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–121 UPDATE_INDICES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idxv_rec	OKL_IDX_PVT.IDXV_REC_TYPE	Yes	Record type for view OKL_INDICES_V.

OUT Parameters

Table 25–122 UPDATE_INDICES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 25–122 UPDATE_INDICES OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_idxv_rec	OKL_IDX_PVT.IDXV_REC_TYPE	Yes	Record type for view OKL_INDICES_V.

25.7.9 VALIDATE_INDEX_VALUES (Overloaded)

This overloaded procedure includes:

- [VALIDATE_INDEX_VALUES](#) on page 25-80
- [VALIDATE_INDEX_VALUES](#) on page 25-81

VALIDATE_INDEX_VALUES

Procedure Specification

```
Procedure VALIDATE_INDEX_VALUES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_ivev_tbl             IN      OKL_IVE_PVT.IVEV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–123 VALIDATE_INDEX_VALUES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 25–123 *VALIDATE_INDEX_VALUES IN Parameters (Cont.)*

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ivev_tbl	OKL_IVE_ PVT.IVEV_TBL_ TYPE	Yes	Table type for view OKL_ INDEX_VALUES_V.

OUT Parameters

Table 25–124 *VALIDATE_INDEX_VALUES OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_INDEX_VALUES

Procedure Specification

```
Procedure VALIDATE_INDEX_VALUES
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_ivev_rec              IN      OKL_IVE_PVT.IVEV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–125 VALIDATE_INDEX_VALUES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_ivev_rec	OKL_IVE_PVT.IVEV_REC_TYPE	Yes	Table type for view OKL_INDEX_VALUES_V.

OUT Parameters

Table 25–126 VALIDATE_INDEX_VALUES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

25.7.10 VALIDATE_INDICES (Overloaded)

This overloaded procedure includes:

- [VALIDATE_INDICES](#) on page 25-82
- [VALIDATE_INDICES](#) on page 25-84
- [VALIDATE_INDICES](#) on page 25-85

VALIDATE_INDICES

Procedure Specification

```
Procedure VALIDATE_INDICES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
```

```

x_return_status      OUT      VARCHAR2,
x_msg_count          OUT      NUMBER,
x_msg_data           OUT      VARCHAR2,
p_idxv_rec           IN       OKL_IDX_PVT.IDXV_REC_TYPE,
p_ivev_tbl           IN       OKL_IVE_PVT.IVEV_TBL_TYPE
);

```

Current Version

1.0

IN Parameters

Table 25–127 *VALIDATE_INDICES IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idxv_rec	OKL_IDX_PVT.IDXV_REC_TYPE	Yes	Record type for view OKL_INDICES_V.
p_ivev_tbl	OKL_IVE_PVT.IVEV_TBL_TYPE	Yes	Table type for view OKL_INDEX_VALUES_V.

OUT Parameters

Table 25–128 *VALIDATE_INDICES OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_INDICES

Procedure Specification

```
Procedure VALIDATE_INDICES
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_idxv_tbl             IN      OKL_IDX_PVT.IDXV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–129 VALIDATE_INDICES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idxv_tbl	OKL_IDX_PVT.IDXV_TBL_TYPE	Yes	Table type for view OKL_INDICES_V.

OUT Parameters

Table 25–130 VALIDATE_INDICES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 25–130 VALIDATE_INDICES OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_INDICES

Procedure Specification

```
Procedure VALIDATE_INDICES
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_idxv_rec             IN      OKL_IDX_PVT.IDXV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–131 VALIDATE_INDICES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_idxv_rec	OKL_IDX_PVT.IDXV_REC_TYPE	Yes	Record type for view OKL_INDICES_V.

OUT Parameters

Table 25–132 VALIDATE_INDICES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

25.8 Package OKL_INTEREST_CALC_PUB

This package contains the following procedures:

- [CALC_INTEREST_ACTIVATE](#) on page 25-86
- [SUBMIT_CALCULATE_INTEREST](#) on page 25-87

25.8.1 CALC_INTEREST_ACTIVATE

This procedure activates the interest for particular contract from the specified date.

Procedure Specification

Procedure CALC_INTEREST_ACTIVATE

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_contract_number      IN      VARCHAR2,
  p_activation_date      IN      DATE,
  x_amount               OUT     NUMBER,
  x_source_id            OUT     NUMBER
);
```

Current Version

1.0

IN Parameters**Table 25–133** *CALC_INTEREST_ACTIVATE IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_contract_number	VARCHAR2	Yes	Contract number.
p_activation_date	DATE	Yes	Contract activation date.

OUT Parameters**Table 25–134** *CALC_INTEREST_ACTIVATE OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_amount	NUMBER	Yes	Calculated interest amount.
x_source_id	NUMBER	Yes	ID of source transaction table.

25.8.2 SUBMIT_CALCULATE_INTEREST**Procedure Specification**

```

Procedure SUBMIT_CALCULATE_INTEREST
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_period_name           IN      VARCHAR2
);

```

Current Version

1.0

IN Parameters

Table 25–135 SUBMIT_CALCULATE_INTEREST IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_period_name	VARCHAR2	Yes	General ledger period for which you are calculating the interest.

OUT Parameters

Table 25–136 SUBMIT_CALCULATE_INTEREST OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

25.9 Package OKL_INTEREST_IMP_PUB

This package contains the following procedure:

- [INT_RATE_IMPORT](#) on page 25-88

25.9.1 INT_RATE_IMPORT

Procedure Specification

```
Procedure INT_RATE_IMPORT
(
    p_api_version          IN      NUMBER,
```

```

p_init_msg_list          IN      VARCHAR2,
x_return_status          OUT     VARCHAR2,
x_msg_count              OUT     NUMBER,
x_msg_data               OUT     VARCHAR2
);

```

Current Version

1.0

IN Parameters

Table 25–137 INT_RATE_IMPORT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

OUT Parameters

Table 25–138 INT_RATE_IMPORT OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

25.10 Package OKL_SYS_ACCT_OPTS_PUB

This package contains the following procedures:

- [DELETE_SYS_ACCT_OPTS \(Overloaded\)](#) on page 25-90
- [INSERT_SYS_ACCT_OPTS \(Overloaded\)](#) on page 25-92
- [LOCK_SYS_ACCT_OPTS \(Overloaded\)](#) on page 25-95

- [UPDATE_SYS_ACCT_OPTS \(Overloaded\)](#) on page 25-97
- [VALIDATE_SYS_ACCT_OPTS \(Overloaded\)](#) on page 25-100

25.10.1 DELETE_SYS_ACCT_OPTS (Overloaded)

This overloaded procedure includes:

- [DELETE_SYS_ACCT_OPTS](#) on page 25-90
- [DELETE_SYS_ACCT_OPTS](#) on page 25-91

DELETE_SYS_ACCT_OPTS

Procedure Specification

```
Procedure DELETE_SYS_ACCT_OPTS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_saov_rec             IN      OKL_SAO_PVT.SAOV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–139 DELETE_SYS_ACCT_OPTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_saov_rec	OKL_SAO_PVT.SAOV_REC_TYPE	Yes	Record type of view OKL_SYS_ACCT_OPTS_V.

OUT Parameters

Table 25–140 *DELETE_SYS_ACCT_OPTS OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_SYS_ACCT_OPTS

Procedure Specification

Procedure DELETE_SYS_ACCT_OPTS

```
(  
    p_api_version           IN      NUMBER,  
    p_init_msg_list         IN      VARCHAR2,  
    x_return_status         OUT     VARCHAR2,  
    x_msg_count             OUT     NUMBER,  
    x_msg_data              OUT     VARCHAR2,  
    p_saov_tbl              IN      OKL_SAO_PVT.SAOV_TBL_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 25–141 *DELETE_SYS_ACCT_OPTS IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 25–141 DELETE_SYS_ACCT_OPTS IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_saov_tbl	OKL_SAO_PVT.SAOV_TBL_TYPE	Yes	Table type of view OKL_SYS_ACCT_OPTS_V.

OUT Parameters

Table 25–142 DELETE_SYS_ACCT_OPTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

25.10.2 INSERT_SYS_ACCT_OPTS (Overloaded)

This overloaded procedure includes:

- [INSERT_SYS_ACCT_OPTS](#) on page 25-92
- [INSERT_SYS_ACCT_OPTS](#) on page 25-93

INSERT_SYS_ACCT_OPTS

Procedure Specification

```
Procedure INSERT_SYS_ACCT_OPTS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_saov_rec              IN      OKL_SAO_PVT.SAOV_REC_TYPE,
    x_saov_rec              OUT     OKL_SAO_PVT.SAOV_REC_TYPE
);
```

Current Version

1.0

IN Parameters**Table 25–143 INSERT_SYS_ACCT_OPTS IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_saov_rec	OKL_SAO_ PVT.SAOV_REC_ TYPE	Yes	Record type of view OKL_ SYS_ACCT_OPTS_V.

OUT Parameters**Table 25–144 INSERT_SYS_ACCT_OPTS OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_saov_rec	OKL_SAO_ PVT.SAOV_REC_ TYPE	Yes	Record type of view OKL_ SYS_ACCT_OPTS_V.

INSERT_SYS_ACCT_OPTS**Procedure Specification**

Procedure INSERT_SYS_ACCT_OPTS

```

(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,

```

```
x_msg_data          OUT      VARCHAR2,
p_saov_tbl          IN       OKL_SAO_PVT.SAOV_TBL_TYPE,
x_saov_tbl          OUT      OKL_SAO_PVT.SAOV_TBL_TYPE
);
```

Current Version
1.0

IN Parameters

Table 25–145 INSERT_SYS_ACCT_OPTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_saov_tbl	OKL_SAO_PVT.SAOV_TBL_TYPE	Yes	Table type of view OKL_SYS_ACCT_OPTS_V.

OUT Parameters

Table 25–146 INSERT_SYS_ACCT_OPTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_saov_tbl	OKL_SAO_PVT.SAOV_TBL_TYPE	Yes	Table type of view OKL_SYS_ACCT_OPTS_V.

25.10.3 LOCK_SYS_ACCT_OPTS (Overloaded)

This overloaded procedure includes:

- [LOCK_SYS_ACCT_OPTS](#) on page 25-95
- [LOCK_SYS_ACCT_OPTS](#) on page 25-96

LOCK_SYS_ACCT_OPTS

Procedure Specification

```
Procedure LOCK_SYS_ACCT_OPTS
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_saov_rec              IN      OKL_SAO_PVT.SAOV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–147 LOCK_SYS_ACCT_OPTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_saov_rec	OKL_SAO_PVT.SAOV_REC_TYPE	Yes	Record type of view OKL_SYS_ACCT_OPTS_V.

OUT Parameters

Table 25–148 LOCK_SYS_ACCT_OPTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_SYS_ACCT_OPTS

Procedure Specification

```
Procedure LOCK_SYS_ACCT_OPTS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_saov_tbl            IN      OKL_SAO_PVT.SAOV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–149 LOCK_SYS_ACCT_OPTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 25–149 LOCK_SYS_ACCT_OPTS IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_saov_tbl	OKL_SAO_PVT.SAOV_TBL_TYPE	Yes	Table type of view OKL_SYS_ACCT_OPTS_V.

OUT Parameters

Table 25–150 LOCK_SYS_ACCT_OPTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

25.10.4 UPDATE_SYS_ACCT_OPTS (Overloaded)

This overloaded procedure includes:

- [UPDATE_SYS_ACCT_OPTS](#) on page 25-97
- [UPDATE_SYS_ACCT_OPTS](#) on page 25-98

UPDATE_SYS_ACCT_OPTS

Procedure Specification

Procedure UPDATE_SYS_ACCT_OPTS

```
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_saov_rec             IN      OKL_SAO_PVT.SAOV_REC_TYPE,
    x_saov_rec             OUT     OKL_SAO_PVT.SAOV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–151 UPDATE_SYS_ACCT_OPTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_saov_rec	OKL_SAO_PVT.SAOV_REC_TYPE	Yes	Record type of view OKL_SYS_ACCT_OPTS_V.

OUT Parameters

Table 25–152 UPDATE_SYS_ACCT_OPTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_saov_rec	OKL_SAO_PVT.SAOV_REC_TYPE	Yes	Record type of view OKL_SYS_ACCT_OPTS_V.

UPDATE_SYS_ACCT_OPTS

Procedure Specification

```
Procedure UPDATE_SYS_ACCT_OPTS
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
```

```

x_msg_data          OUT      VARCHAR2,
p_saov_tbl          IN       OKL_SAO_PVT.SAOV_TBL_TYPE,
x_saov_tbl          OUT      OKL_SAO_PVT.SAOV_TBL_TYPE
);

```

Current Version

1.0

IN Parameters

Table 25–153 UPDATE_SYS_ACCT_OPTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_saov_tbl	OKL_SAO_PVT.SAOV_TBL_TYPE	Yes	Table type of view OKL_SYS_ACCT_OPTS_V.

OUT Parameters

Table 25–154 UPDATE_SYS_ACCT_OPTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_saov_tbl	OKL_SAO_PVT.SAOV_TBL_TYPE	Yes	Table type of view OKL_SYS_ACCT_OPTS_V.

25.10.5 VALIDATE_SYS_ACCT_OPTS (Overloaded)

This overloaded procedure includes:

- [VALIDATE_SYS_ACCT_OPTS](#) on page 25-100
- [VALIDATE_SYS_ACCT_OPTS](#) on page 25-101

VALIDATE_SYS_ACCT_OPTS

Procedure Specification

```
Procedure VALIDATE_SYS_ACCT_OPTS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_saov_rec              IN      OKL_SAO_PVT.SAOV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–155 VALIDATE_SYS_ACCT_OPTS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_saov_rec	OKL_SAO_PVT.SAOV_REC_TYPE	Yes	Record type of view OKL_SYS_ACCT_OPTS_V.

OUT Parameters

Table 25–156 *VALIDATE_SYS_ACCT_OPTS OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_SYS_ACCT_OPTS

Procedure Specification

Procedure VALIDATE_SYS_ACCT_OPTS

```
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_saov_tbl              IN      OKL_SAO_PVT.SAOV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–157 *VALIDATE_SYS_ACCT_OPTS IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 25–157 VALIDATE_SYS_ACCT_OPTS IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_saov_tbl	OKL_SAO_ PVT.SAOV_TBL_ TYPE	Yes	Table type of view OKL_SYS_ ACCT_OPTS_V.

OUT Parameters

Table 25–158 VALIDATE_SYS_ACCT_OPTS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

25.11 Package OKL_TRX_TYPES_PUB

This package contains the following procedures:

- [DELETE_TRX_TYPES \(Overloaded\)](#) on page 25-102
- [INSERT_TRX_TYPES \(Overloaded\)](#) on page 25-105
- [LOCK_TRX_TYPES \(Overloaded\)](#) on page 25-107
- [UPDATE_TRX_TYPES \(Overloaded\)](#) on page 25-110
- [VALIDATE_TRX_TYPES \(Overloaded\)](#) on page 25-112

25.11.1 DELETE_TRX_TYPES (Overloaded)

This overloaded procedure includes:

- [DELETE_TRX_TYPES](#) on page 25-103
- [DELETE_TRX_TYPES](#) on page 25-104

DELETE_TRX_TYPES

Procedure Specification

Procedure DELETE_TRX_TYPES

```
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_tryv_rec             IN      OKL_TRY_PVT.TRYV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–159 DELETE_TRX_TYPES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_tryv_rec	OKL_TRY_PVT.TRYV_REC_TYPE	Yes	Record type of view OKL_TRX_TYPES_V.

OUT Parameters

Table 25–160 DELETE_TRX_TYPES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 25–160 DELETE_TRX_TYPES OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

DELETE_TRX_TYPES

Procedure Specification

```
Procedure DELETE_TRX_TYPES
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_tryv_tbl              IN      OKL_TRY_PVT.TRYV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–161 DELETE_TRX_TYPES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_tryv_tbl	OKL_TRY_PVT.TRYV_TBL_TYPE	Yes	Table type of view OKL_TRX_TYPES_V.

OUT Parameters

Table 25–162 DELETE_TRX_TYPES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

25.11.2 INSERT_TRX_TYPES (Overloaded)

This overloaded procedure includes:

- [INSERT_TRX_TYPES](#) on page 25-105
- [INSERT_TRX_TYPES](#) on page 25-106

INSERT_TRX_TYPES

Procedure Specification

Procedure INSERT_TRX_TYPES

```
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_tryv_rec             IN      OKL_TRY_PVT.TRYV_REC_TYPE,
    x_tryv_rec             OUT     OKL_TRY_PVT.TRYV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–163 INSERT_TRX_TYPES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_tryv_rec	OKL_TRY_PVT.TRYV_REC_TYPE	Yes	Record type of view OKL_TRX_TYPES_V.

OUT Parameters

Table 25–164 INSERT_TRX_TYPES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_tryv_rec	OKL_TRY_PVT.TRYV_REC_TYPE	Yes	Record type of view OKL_TRX_TYPES_V.

INSERT_TRX_TYPES

Procedure Specification

```
Procedure INSERT_TRX_TYPES
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_tryv_tbl            IN      OKL_TRY_PVT.TRYV_TBL_TYPE,
  x_tryv_tbl            OUT     OKL_TRY_PVT.TRYV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters**Table 25–165 INSERT_TRX_TYPES IN Parameters**

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_tryv_tbl	OKL_TRY_ PVT.TRYV_TBL_ TYPE	Yes	Table type of view OKL_TRX_TYPES_V.

OUT Parameters**Table 25–166 INSERT_TRX_TYPES OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_tryv_tbl	OKL_TRY_ PVT.TRYV_TBL_ TYPE	Yes	Table type of view OKL_TRX_TYPES_V.

25.11.3 LOCK_TRX_TYPES (Overloaded)

This overloaded procedure includes:

- [LOCK_TRX_TYPES](#) on page 25-108
- [LOCK_TRX_TYPES](#) on page 25-109

LOCK_TRX_TYPES

Procedure Specification

```
Procedure LOCK_TRX_TYPES
(
    p_api_version          IN          NUMBER,
    p_init_msg_list        IN          VARCHAR2,
    x_return_status        OUT         VARCHAR2,
    x_msg_count            OUT         NUMBER,
    x_msg_data             OUT         VARCHAR2,
    p_tryv_rec             IN          OKL_TRY_PVT.TRYV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–167 LOCK_TRX_TYPES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_tryv_rec	OKL_TRY_PVT.TRYV_REC_TYPE	Yes	Record type of view OKL_TRX_TYPES_V.

OUT Parameters

Table 25–168 LOCK_TRX_TYPES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 25–168 LOCK_TRX_TYPES OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

LOCK_TRX_TYPES

Procedure Specification

Procedure LOCK_TRX_TYPES

```
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_tryv_tbl             IN      OKL_TRY_PVT.TRYV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–169 LOCK_TRX_TYPES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_tryv_tbl	OKL_TRY_PVT.TRYV_TBL_TYPE	Yes	Table type of view OKL_TRX_TYPES_V.

OUT Parameters

Table 25–170 LOCK_TRX_TYPES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

25.11.4 UPDATE_TRX_TYPES (Overloaded)

This overloaded procedure includes:

- [UPDATE_TRX_TYPES](#) on page 25-110
- [UPDATE_TRX_TYPES](#) on page 25-111

UPDATE_TRX_TYPES

Procedure Specification

```
Procedure UPDATE_TRX_TYPES
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_tryv_rec              IN      OKL_TRY_PVT.TRYV_REC_TYPE,
    x_tryv_rec              OUT     OKL_TRY_PVT.TRYV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–171 UPDATE_TRX_TYPES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_tryv_rec	OKL_TRY_PVT.TRYV_REC_TYPE	Yes	Record type of view OKL_TRX_TYPES_V.

OUT Parameters

Table 25–172 UPDATE_TRX_TYPES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_tryv_rec	OKL_TRY_PVT.TRYV_REC_TYPE	Yes	Record type of view OKL_TRX_TYPES_V.

UPDATE_TRX_TYPES

Procedure Specification

Procedure UPDATE_TRX_TYPES

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_tryv_tbl             IN      OKL_TRY_PVT.TRYV_TBL_TYPE,
  x_tryv_tbl             OUT     OKL_TRY_PVT.TRYV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–173 UPDATE_TRX_TYPES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_tryv_tbl	OKL_TRY_ PVT.TRYV_TBL_ TYPE	Yes	Table type of view OKL_TRX_TYPES_V.

OUT Parameters

Table 25–174 UPDATE_TRX_TYPES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_tryv_tbl	OKL_TRY_ PVT.TRYV_TBL_ TYPE	Yes	Table type of view OKL_TRX_TYPES_V.

25.11.5 VALIDATE_TRX_TYPES (Overloaded)

This overloaded procedure includes:

- [VALIDATE_TRX_TYPES](#) on page 25-113
- [VALIDATE_TRX_TYPES](#) on page 25-114

VALIDATE_TRX_TYPES

Procedure Specification

Procedure VALIDATE_TRX_TYPES

```
(
    p_api_version          IN      NUMBER,
    p_init_msg_list        IN      VARCHAR2,
    x_return_status        OUT     VARCHAR2,
    x_msg_count            OUT     NUMBER,
    x_msg_data             OUT     VARCHAR2,
    p_tryv_rec             IN      OKL_TRY_PVT.TRYV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–175 VALIDATE_TRX_TYPES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_tryv_rec	OKL_TRY_PVT.TRYV_REC_TYPE	Yes	Record type of view OKL_TRX_TYPES_V.

OUT Parameters

Table 25–176 VALIDATE_TRX_TYPES OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.

Table 25–176 VALIDATE_TRX_TYPES OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

VALIDATE_TRX_TYPES

Procedure Specification

```
Procedure VALIDATE_TRX_TYPES
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_tryv_tbl              IN      OKL_TRY_PVT.TRYV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 25–177 VALIDATE_TRX_TYPES IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_tryv_tbl	OKL_TRY_PVT.TRYV_TBL_TYPE	Yes	Table type of view OKL_TRX_TYPES_V.

OUT Parameters**Table 25–178** *VALIDATE_TRX_TYPES OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Accounting Period Open to Period Close APIs

The following are areas of public packages of the Accounting Period Open to Period Close APIs in Oracle Lease Management:

- [Generate Accruals](#) on page 26-2
- [Loss Provisions](#) on page 26-7
- [Like-Kind Exchange](#) on page 26-13
- [Miscellaneous Transactions](#) on page 26-16

For information about all table and record type parameters, see [Appendix A, "API Data Structure Specifications"](#).

26.1 Generate Accruals

The following is a public General Accrual package of the Accounting Period Open to Period Close APIs in Oracle Lease Management:

[Package OKL_GENERATE_ACCRUALS_PUB](#) on page 26-2

26.1.1 Package OKL_GENERATE_ACCRUALS_PUB

This package contains the following procedures:

- [CALCULATE_CNTRCT_REC](#) on page 26-2
- [CATCHUP_ACCRUALS](#) on page 26-3
- [REVERSE_ACCRUALS](#) on page 26-4
- [SUBMIT_ACCRUALS](#) on page 26-5
- [VALIDATE_ACCRUAL_RULE](#) on page 26-6

26.1.1.1 CALCULATE_CNTRCT_REC

Procedure Specification

```
Procedure CALCULATE_CNTRCT_REC
(
    p_ctr_id                IN      NUMBER
);
```

Current Version

1.0

IN Parameters

Table 26–1 *CALCULATE_CNTRCT_REC IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_ctr_id	NUMBER	Yes	Contract ID.

OUT Parameters

CALCULATE_CNTRCT_REC has no OUT Parameters.

26.1.1.2 CATCHUP_ACCRUALS

Procedure Specification

Procedure CATCHUP_ACCRUALS

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  p_catchup_rec           IN      OKL_GENERATE_ACCRUALS_PVT.ACCRUAL_REC_
TYPE,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  x_tcnv_tbl              OUT     OKL_TCNV_PVT.TCNV_TBL_TYPE,
  x_tclv_tbl              OUT     OKL_TCL_PVT.TCLV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 26–2 CATCHUP_ACCRUALS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_catchup_rec	OKL_GENERATE_ ACCRUALS_ PVT.ACCRUAL_ REC_TYPE	Yes	Accrual record type that contains values necessary for creating an accrual transaction.

OUT Parameters

Table 26–3 CATCHUP_ACCRUALS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

Table 26–3 CATCHUP_ACCRUALS OUT Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_tcnv_tbl	OKL_TCN_ PVT.TCNV_TBL_ TYPE	Yes	Table of records for view OKL_TRX_CONTRACTS_V.
x_tclv_tbl	OKL_TCL_ PVT.TCLV_TBL_ TYPE	Yes	Table of records for view OKL_TRX_CONTRACTS_V.

26.1.1.3 REVERSE_ACCRUALS

Procedure Specification

```
Procedure REVERSE_ACCRUALS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    p_reverse_rec           IN      OKL_GENERATE_ACCRUALS_PVT.ACCRUAL_REC_
    TYPE,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    x_tcnv_tbl              OUT     OKL_TCN_PVT.TCNV_TBL_TYPE,
    x_tclv_tbl              OUT     OKL_TCL_PVT.TCLV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 26–4 REVERSE_ACCRUALS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.

Table 26–4 REVERSE_ACCRUALS IN Parameters (Cont.)

Parameter	Data Type	Required	Description and Validation
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_reverse_rec	OKL_GENERATE_ ACCRUALS_ PVT.ACCRUAL_ REC_TYPE	Yes	Accrual record type that contains values necessary for creating an accrual transaction.

OUT Parameters**Table 26–5 REVERSE_ACCRUALS OUT Parameters**

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_tcnv_tbl	OKL_TCN_ PVT.TCNV_TBL_ TYPE	Yes	Table of records for view OKL_TRX_CONTRACTS_V.
x_tclv_tbl	OKL_TCL_ PVT.TCLV_TBL_ TYPE	Yes	Table of records for view OKL_TRX_CONTRACTS_V.

26.1.1.4 SUBMIT_ACCRUALS**Procedure Specification**

Procedure SUBMIT_ACCRUALS

```
(
    x_return_status          OUT          VARCHAR2,
    x_msg_count              OUT          NUMBER,
    x_msg_data               OUT          VARCHAR2,
    p_api_version            IN           NUMBER,
    p_accrual_date           IN           DATE,
    p_batch_name             IN           VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 26–6 SUBMIT_ACCRUALS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_accrual_date	DATE	Yes	Accrual date.
p_batch_name	VARCHAR2	Yes	Batch name.

OUT Parameters

Table 26–7 SUBMIT_ACCRUALS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

26.1.1.5 VALIDATE_ACCRUAL_RULE

Procedure Specification

```
Procedure VALIDATE_ACCRUAL_RULE
(
    x_return_status          OUT          VARCHAR2,
    x_msg_count              OUT          NUMBER,
    x_msg_data               OUT          VARCHAR2,
    x_result                 OUT          VARCHAR2,
    p_ctr_id                 IN           NUMBER
);
```

Current Version

1.0

IN Parameters**Table 26–8** *VALIDATE_ACCRUAL_RULE IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_ctr_id	NUMBER	Yes	Contract ID.

OUT Parameters**Table 26–9** *VALIDATE_ACCRUAL_RULE OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_result	VARCHAR2	Yes	Validation result.

26.2 Loss Provisions

The following are public Loss Provision packages of the Accounting Period Open to Period Close APIs in Oracle Lease Management:

- [Package OKL_LOSS_PROV_PUB](#) on page 26-7
- [Package OKL_REV_LOSS_PROV_PUB](#) on page 26-11

26.2.1 Package OKL_LOSS_PROV_PUB

This package contains the following procedures:

- [CALCULATE_CAPITAL_BALANCE](#) on page 26-8
- [CALCULATE_CNTRCT_RSRV_AMT](#) on page 26-8
- [SPECIFIC_LOSS_PROVISION](#) on page 26-9
- [SUBMIT_GENERAL_LOSS](#) on page 26-10

26.2.1.1 CALCULATE_CAPITAL_BALANCE

Procedure Specification

```
Procedure CALCULATE_CAPITAL_BALANCE
(
    p_cntrct_id            IN      NUMBER,
    p_deal_type            IN      VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 26–10 CALCULATE_CAPITAL_BALANCE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_cntrct_id	NUMBER	Yes	Contract ID.
p_deal_type	VARCHAR2	Yes	Book classification.

OUT Parameters

CALCULATE_CAPITAL_BALANCE has no OUT Parameters.

26.2.1.2 CALCULATE_CNTRCT_RSRV_AMT

Procedure Specification

```
Procedure CALCULATE_CNTRCT_RSRV_AMT
(
    p_cntrct_id            IN      NUMBER
```

Current Version

1.0

IN Parameters

Table 26–11 *CALCULATE_CNTRCT_RSRV_AMT IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_cntrct_id	NUMBER	Yes	Contract ID.

OUT Parameters

CALCULATE_CNTRCT_RSRV_AMT has no OUT parameters.

26.2.1.3 SPECIFIC_LOSS_PROVISION

Procedure Specification

Procedure SPECIFIC_LOSS_PROVISION

```
(  
    p_api_version           IN      NUMBER,  
    p_init_msg_list        IN      VARCHAR2,  
    x_msg_count            OUT     NUMBER,  
    x_msg_data             OUT     VARCHAR2,  
    x_return_status        OUT     VARCHAR2,  
    p_slpv_rec             IN      OKL_LOSS_PROV_PVT.SLPV_REC_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 26–12 *SPECIFIC_LOSS_PROVISION IN Parameters*

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.

Table 26–12 *SPECIFIC_LOSS_PROVISION IN Parameters (Cont.)*

Parameter	Data Type	Required	Description and Validation
p_slpv_rec	OKL_LOSS_PROV_PVT.SLPV_REC_TYPE	Yes	Specific loss provision record type that specifies the contract ID, stream type ID, amount, description, tax deductible local and corporate values, and whether or not to reverse loss provisions created earlier.

OUT Parameters

Table 26–13 *SPECIFIC_LOSS_PROVISION OUT Parameters*

Parameter	Data Type	Required	Description and Validation
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

26.2.1.4 SUBMIT_GENERAL_LOSS

Procedure Specification

```
Procedure SUBMIT_GENERAL_LOSS
(
    p_api_version           IN      NUMBER,
    p_init_msg_list         IN      VARCHAR2,
    x_return_status         OUT     VARCHAR2,
    x_msg_count             OUT     NUMBER,
    x_msg_data              OUT     VARCHAR2,
    p_glpv_rec              IN      OKL_LOSS_PROV_PVT.GLPV_REC_TYPE
);
```

Current Version

1.0

IN Parameters

Table 26–14 SUBMIT_GENERAL_LOSS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_glpv_rec	OKL_LOSS_PROV_ PVT.GLPV_REC_ TYPE	Yes	General loss provision record type that specifies the product ID, stream type ID, description tax deductible local and corporate values, the aging bucket ID, and provision date.

OUT Parameters

Table 26–15 SUBMIT_GENERAL_LOSS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

26.2.2 Package OKL_REV_LOSS_PROV_PUB

This package contains the following procedure:

[REVERSE_LOSS_PROVISIONS](#) on page 26-11

26.2.2.1 REVERSE_LOSS_PROVISIONS

Procedure Specification

Procedure REVERSE_LOSS_PROVISIONS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
```

```
x_msg_count          OUT      NUMBER,  
x_msg_data           OUT      VARCHAR2,  
x_return_status      OUT      VARCHAR2,  
p_lprv_rec           IN       OKL_REV_LOSS_PROV_PVT.LPRV_REC_TYPE  
);
```

Current Version

1.0

IN Parameters

Table 26–16 REVERSE_LOSS_PROVISIONS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_lprv_rec	OKL_REV_LOSS_PROV_PVT.LPRV_REC_TYPE	Yes	Reverse loss provisions record type that specifies the contract number and the reversal type, such as specific or general.

OUT Parameters

Table 26–17 REVERSE_LOSS_PROVISIONS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

26.3 Like-Kind Exchange

The following is a public Like-Kind Exchange package of the Accounting Period Open to Period Close APIs in Oracle Lease Management:

- [Package OKL_LIKE_KIND_EXCHANGE_PUB](#) on page 26-13

26.3.1 Package OKL_LIKE_KIND_EXCHANGE_PUB

This package contains the following procedures:

- [CREATE_LIKE_KIND_EXCHANGE](#) on page 26-13
- [GET_BALANCE_SALE_PROCEEDS](#) on page 26-14
- [GET_DEFERRED_GAIN](#) on page 26-15
- [GET_TOTAL_MATCH_AMT](#) on page 26-16

26.3.1.1 CREATE_LIKE_KIND_EXCHANGE

Procedure Specification

Procedure `CREATE_LIKE_KIND_EXCHANGE`

```
(
  p_api_version           IN      NUMBER,
  p_init_msg_list         IN      VARCHAR2,
  x_return_status         OUT     VARCHAR2,
  x_msg_count             OUT     NUMBER,
  x_msg_data              OUT     VARCHAR2,
  p_corporate_book        IN      VARCHAR2,
  p_tax_book              IN      VARCHAR2,
  p_comments              IN      VARCHAR2,
  p_rep_asset_rec         IN      OKL_LIKE_KIND_EXCHANGE_PVT.REP_ASSET_
REC_TYPE,
  p_req_asset_tbl         IN      OKL_LIKE_KIND_EXCHANGE_PVT.REQ_ASSET_
TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 26–18 CREATE_LIKE_KIND_EXCHANGE IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_corporate_book	VARCHAR2	Yes	Corporate book code.
p_tax_book	VARCHAR2	Yes	Tax book code.
p_comments	VARCHAR2	Yes	Description.
p_rep_asset_rec	OKL_LIKE_KIND_EXCHANGE_PVT.REP_ASSET_REC_TYPE	Yes	Record type for view OKL_LKE_REP_ASSET_UV.
p_req_asset_tbl	OKL_LIKE_KIND_EXCHANGE_PVT.REQ_ASSET_TBL_TYPE	Yes	Table of records for view OKL_LKE_REQ_ASSET_UV.

OUT Parameters

Table 26–19 CREATE_LIKE_KIND_EXCHANGE OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.

26.3.1.2 GET_BALANCE_SALE_PROCEEDS

Procedure Specification

```
Procedure GET_BALANCE_SALE_PROCEEDS
(
    p_asset_id                IN      NUMBER,
```

```
p_tax_book          IN          VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 26–20 GET_BALANCE_SALE_PROCEEDS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_asset_id	NUMBER	Yes	Asset ID.
p_tax_book	VARCHAR2	Yes	Asset book code.

OUT Parameters

The GET_BALANCE_SALE_PROCEEDS OUT procedure has no OUT parameters.

26.3.1.3 GET_DEFERRED_GAIN

Procedure Specification

```
Procedure GET_DEFERRED_GAIN
(
  p_asset_id          IN          VARCHAR2 ,
  p_tax_book          IN          VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 26–21 GET_DEFERRED_GAIN IN Parameters

Parameter	Data Type	Required	Description and Validation
p_asset_id	VARCHAR2	Yes	Asset ID.
p_tax_book	VARCHAR2	Yes	Asset book code.

OUT Parameters

The GET_DEFERRED_GAIN OUT procedure has no OUT parameters.

26.3.1.4 GET_TOTAL_MATCH_AMT

Procedure Specification

```
Procedure GET_TOTAL_MATCH_AMT
(
    p_asset_id            IN      NUMBER,
    p_tax_book            IN      VARCHAR2
);
```

Current Version

1.0

IN Parameters

Table 26–22 GET_TOTAL_MATCH_AMT IN Parameters

Parameter	Data Type	Required	Description and Validation
p_asset_id	NUMBER	Yes	Asset ID.
p_tax_book	VARCHAR2	Yes	Asset book code.

OUT Parameters

The GET_TOTAL_MATCH_AMT OUT procedure has no OUT parameters.

26.4 Miscellaneous Transactions

The following are public Miscellaneous Transaction packages of the Accounting Period Open to Period Close APIs in Oracle Lease Management:

- [Package OKL_ACCOUNT_DIST_MISC_PUB](#) on page 26-17
- [Package OKL_ACCOUNT_DIST_MISC_PUB](#) on page 26-18

26.4.1 Package OKL_ACCOUNT_DIST_MISC_PUB

This package contains the following procedure:

- [INSERT_UPDT_DSTRS](#) on page 26-17

26.4.1.1 INSERT_UPDT_DSTRS

Procedure Specification

Procedure INSERT_UPDT_DSTRS

```
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_tabv_tbl            IN      OKL_TAB_PVT.TABV_TBL_TYPE,
  x_tabv_tbl            OUT     OKL_TAB_PVT.TABV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 26–23 INSERT_UPDT_DSTRS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_tabv_tbl	OKL_TAB_PVT.TABV_TBL_TYPE	Yes	Table type for view OKL_TRNS_ACC_DSTRS_V.

OUT Parameters

Table 26-24 INSERT_UPDT_DSTRS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_tabv_tbl	OKL_TAB_PVT.TABV_TBL_TYPE	Yes	Table type for view OKL_TRNS_ACC_DSTRS_V.

26.4.2 Package OKL_ACCOUNT_DIST_MISC_PUB

This package contains the following procedure:

- [INSERT_UPDT_DSTRS](#) on page 26-18

26.4.2.1 INSERT_UPDT_DSTRS

Procedure Specification

```
Procedure INSERT_UPDT_DSTRS
(
  p_api_version          IN      NUMBER,
  p_init_msg_list        IN      VARCHAR2,
  x_return_status        OUT     VARCHAR2,
  x_msg_count            OUT     NUMBER,
  x_msg_data             OUT     VARCHAR2,
  p_tabv_tbl            IN      OKL_TAB_PVT.TABV_TBL_TYPE,
  x_tabv_tbl            OUT     OKL_TAB_PVT.TABV_TBL_TYPE
);
```

Current Version

1.0

IN Parameters

Table 26–25 INSERT_UPDT_DSTRS IN Parameters

Parameter	Data Type	Required	Description and Validation
p_api_version	NUMBER	Yes	See Standard IN Parameters on page 1-4.
p_init_msg_list	VARCHAR2	Yes	See Standard IN Parameters on page 1-4.
p_tabv_tbl	OKL_TAB_ PVT.TABV_TBL_ TYPE	Yes	Table type for view OKL_ TRNS_ACC_DSTRS_V.

OUT Parameters

Table 26–26 INSERT_UPDT_DSTRS OUT Parameters

Parameter	Data Type	Required	Description and Validation
x_return_status	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_msg_count	NUMBER	Yes	See Standard OUT Parameters on page 1-5.
x_msg_data	VARCHAR2	Yes	See Standard OUT Parameters on page 1-5.
x_tabv_tbl	OKL_TAB_ PVT.TABV_TBL_ TYPE	Yes	Table type for view OKL_ TRNS_ACC_DSTRS_V.

Part IV

Appendix

The Oracle Lease Management API Reference Guide includes the following appendix:

- [Appendix A, "API Data Structure Specifications"](#)

API Data Structure Specifications

In this appendix, the public API data structure specifications for Oracle Lease Management are in alphabetic order.

The public API data structure specifications for Oracle Lease Management are:

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A.1 IEX_IOH_PVT.IOHV_REC_TYPE

```

TYPE IEX_IOH_PVT.IOHV_REC_TYPE IS RECORD (
    ID                                NUMBER                := OKL_API.G_MISS_NUM,
    OBJECT1_ID1                      VARCHAR2(40)          := OKL_API.G_MISS_CHAR,
    OBJECT1_ID2                      VARCHAR2(200)         := OKL_API.G_MISS_CHAR,
    JTOT_OBJECT1_CODE                VARCHAR2(30)          := OKL_API.G_MISS_CHAR,
    ACTION                           VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    STATUS                           VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    COMMENTS                         VARCHAR2(2000)        := OKL_API.G_MISS_CHAR,
    REQUEST_DATE                     DATE                  := OKL_API.G_MISS_DATE,
    PROCESS_DATE                     DATE                  := OKL_API.G_MISS_DATE,
    EXT_AGENCY_ID                    NUMBER                := OKL_API.G_MISS_NUM,
    REVIEW_DATE                       DATE                  := OKL_API.G_MISS_DATE,
    RECALL_DATE                      DATE                  := OKL_API.G_MISS_DATE,
    AUTOMATIC_RECALL_FLAG            VARCHAR2(1)           := OKL_API.G_MISS_CHAR,
    REVIEW_BEFORE_RECALL_FLAG        VARCHAR2(1)           := OKL_API.G_MISS_CHAR,
    OBJECT_VERSION_NUMBER            NUMBER                := OKL_API.G_MISS_NUM,
    ORG_ID                           NUMBER                := OKL_API.G_MISS_NUM,
    REQUEST_ID                       NUMBER                := OKL_API.G_MISS_NUM,
    PROGRAM_APPLICATION_ID            NUMBER                := OKL_API.G_MISS_NUM,
    PROGRAM_ID                       NUMBER                := OKL_API.G_MISS_NUM,
    PROGRAM_UPDATE_DATE              DATE                  := OKL_API.G_MISS_DATE,
    ATTRIBUTE_CATEGORY               VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE1                       VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE2                       VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE3                       VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE4                       VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE5                       VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE6                       VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE7                       VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE8                       VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE9                       VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE10                      VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE11                      VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE12                      VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE13                      VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE14                      VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE15                      VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    CREATED_BY                       NUMBER                := OKL_API.G_MISS_NUM,
    CREATION_DATE                    DATE                  := OKL_API.G_MISS_DATE,
    LAST_UPDATED_BY                  NUMBER                := OKL_API.G_MISS_NUM,
    LAST_UPDATE_DATE                  DATE                  := OKL_API.G_MISS_DATE,
    LAST_UPDATE_LOGIN                 NUMBER                := OKL_API.G_MISS_NUM
);

```

A.2 OKL_ACCOUNT_DIST_PVT.DIST_INFO_REC_TYPE

```
TYPE OKL_ACCOUNT_DIST_PVT.DIST_INFO_REC_TYPE IS RECORD (  
    SOURCE_ID                NUMBER                := OKL_API.G_MISS_NUM,  
    SOURCE_TABLE             VARCHAR2(30)          := OKL_API.G_MISS_CHAR,  
    ACCOUNTING_DATE          DATE                  := OKL_API.G_MISS_DATE,  
    GL_REVERSAL_FLAG         VARCHAR2(3)           := OKL_API.G_MISS_CHAR,  
    POST_TO_GL               VARCHAR2(30)          := OKL_API.G_MISS_CHAR,  
    AMOUNT                   NUMBER                := OKL_API.G_MISS_NUM,  
    CURRENCY_CODE            VARCHAR2(3)           := OKL_API.G_MISS_CHAR,  
    CURRENCY_CONVERSION_TYPE VARCHAR2(30)          := OKL_API.G_MISS_CHAR,  
    CURRENCY_CONVERSION_DATE DATE                  := OKL_API.G_MISS_DATE,  
    CONTRACT_ID              NUMBER                := OKL_API.G_MISS_NUM,  
    CONTRACT_LINE_ID         NUMBER                := OKL_API.G_MISS_NUM  
);
```

A.3 OKL_ACCOUNT_DIST_PVT.TMPL_IDENTIFY_REC_TYPE

```
TYPE OKL_ACCOUNT_DIST_PVT.TMPL_IDENTIFY_REC_TYPE IS RECORD (  
    PRODUCT_ID               NUMBER                := OKL_API.G_MISS_NUM,  
    TRANSACTION_TYPE_ID      NUMBER                := OKL_API.G_MISS_NUM,  
    STREAM_TYPE_ID           NUMBER                := OKL_API.G_MISS_NUM,  
    ADVANCE_ARREARS          VARCHAR2(30)          := OKL_API.G_MISS_CHAR,  
    FACTORING_SYND_FLAG      VARCHAR2(45)          := OKL_API.G_MISS_CHAR,  
    SYNDICATION_CODE         VARCHAR2(30)          := OKL_API.G_MISS_CHAR,  
    FACTORING_CODE           VARCHAR2(30)          := OKL_API.G_MISS_CHAR,  
    MEMO_YN                  VARCHAR2(3)           := OKL_API.G_MISS_CHAR,  
    PRIOR_YEAR_YN            VARCHAR2(3)           := OKL_API.G_MISS_CHAR  
);
```

A.4 OKL_ACCOUNT_GENERATOR_PVT.PRIMARY_KEY_REC

```
TYPE OKL_ACCOUNT_GENERATOR_PVT.PRIMARY_KEY_REC IS RECORD (  
    SOURCE_TABLE             VARCHAR2(30)          := OKL_API.G_MISS_CHAR,  
    PRIMARY_KEY_COLUMN      VARCHAR2(100)         := OKL_API.G_MISS_CHAR  
);
```

A.5 OKL_ACCT_GEN_RULE_PVT.ACCT_REC_TYPE

```
TYPE OKL_ACCT_GEN_RULE_PVT.ACCT_REC_TYPE IS RECORD (  
    ID                                NUMBER                := OKL_API.G_MISS_NUM,  
    SEGMENT                          VARCHAR2(30)          := OKL_API.G_MISS_CHAR,  
    SEGMENT_DESC                     VARCHAR2(4000)         := OKL_API.G_MISS_CHAR,  
    SEGMENT_NUMBER                   NUMBER                := OKL_API.G_MISS_NUM,  
    AGR_ID                           NUMBER                := OKL_API.G_MISS_NUM,  
    AE_LINE_TYPE                     VARCHAR2(30)          := OKL_API.G_MISS_CHAR,  
    SOURCE                           VARCHAR2(30)          := OKL_API.G_MISS_CHAR,  
    CONSTANTS                        VARCHAR2(30)          := OKL_API.G_MISS_CHAR,  
    OBJECT_VERSION_NUMBER            NUMBER                := OKL_API.G_MISS_NUM,  
    ATTRIBUTE_CATEGORY               VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE1                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE2                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE3                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE4                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE5                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE6                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE7                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE8                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE9                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE10                      VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE11                      VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE12                      VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE13                      VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE14                      VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE15                      VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    CREATED_BY                       NUMBER                := OKL_API.G_MISS_NUM,  
    CREATION_DATE                    DATE                  := OKL_API.G_MISS_DATE,  
    LAST_UPDATED_BY                  NUMBER                := OKL_API.G_MISS_NUM,  
    LAST_UPDATE_DATE                 DATE                  := OKL_API.G_MISS_DATE,  
    LAST_UPDATE_LOGIN                NUMBER                := OKL_API.G_MISS_NUM  
);
```

A.6 OKL_ACD_PVT.ACDV_REC_TYPE

```
TYPE OKL_ACD_PVT.ACDV_REC_TYPE IS RECORD (  
    ID                                NUMBER                := OKL_API.G_MISS_NUM,  
    OBJECT_VERSION_NUMBER            NUMBER                := OKL_API.G_MISS_NUM,  
    CDN_CODE                          VARCHAR2(30)         := OKL_API.G_MISS_CHAR,  
    ILN_ID                           NUMBER                := OKL_API.G_MISS_NUM,  
    ISP_ID                           NUMBER                := OKL_API.G_MISS_NUM,
```

CLM_ID	NUMBER	:= OKL_API.G_MISS_NUM,
KLE_ID	NUMBER	:= OKL_API.G_MISS_NUM,
DATE_REPORT	DATE	:= OKL_API.G_MISS_DATE,
ATTRIBUTE_CATEGORY	VARCHAR2 (90)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE1	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE2	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE3	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE4	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE5	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE6	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE7	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE8	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE9	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE10	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE11	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE12	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE13	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE14	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE15	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ORG_ID	NUMBER	:= OKL_API.G_MISS_NUM,
REQUEST_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_APPLICATION_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM

);

A.7 OKL_ACN_PVT.ACNV_REC_TYPE

```

TYPE OKL_ACN_PVT.ACNV_REC_TYPE IS RECORD (
    ID                      NUMBER          := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER   NUMBER          := OKL_API.G_MISS_NUM,
    SFWT_FLAG               VARCHAR2 (3)    := OKL_API.G_MISS_CHAR,
    CTP_CODE                VARCHAR2 (30)    := OKL_API.G_MISS_CHAR,
    DTY_CODE                VARCHAR2 (30)    := OKL_API.G_MISS_CHAR,
    CDN_CODE                VARCHAR2 (30)    := OKL_API.G_MISS_CHAR,
    ACS_CODE                VARCHAR2 (30)    := OKL_API.G_MISS_CHAR,
    ISQ_ID                  NUMBER          := OKL_API.G_MISS_NUM,
    PZT_ID                  NUMBER          := OKL_API.G_MISS_NUM,

```

ACD_ID	NUMBER	:= OKL_API.G_MISS_NUM,
RPC_ID	NUMBER	:= OKL_API.G_MISS_NUM,
SEQUENCE_NUMBER	NUMBER	:= OKL_API.G_MISS_NUM,
DAMAGE_DESCRIPTION	VARCHAR2(1995)	:= OKL_API.G_MISS_CHAR,
CLAIM_DESCRIPTION	VARCHAR2(1995)	:= OKL_API.G_MISS_CHAR,
ESTIMATED_REPAIR_COST	NUMBER	:= OKL_API.G_MISS_NUM,
ACTUAL_REPAIR_COST	NUMBER	:= OKL_API.G_MISS_NUM,
APPROVED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
APPROVED_YN	VARCHAR2(3)	:= OKL_API.G_MISS_CHAR,
DATE_APPROVED	DATE	:= OKL_API.G_MISS_DATE,
DATE_REPORTED	DATE	:= OKL_API.G_MISS_DATE,
RECOMMENDED_REPAIR	VARCHAR2(720)	:= OKL_API.G_MISS_CHAR,
PART_NAME	VARCHAR2(150)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE_CATEGORY	VARCHAR2(90)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE1	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE2	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE3	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE4	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE5	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE6	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE7	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE8	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE9	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE10	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE11	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE12	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE13	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE14	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE15	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ORG_ID	NUMBER	:= OKL_API.G_MISS_NUM,
REQUEST_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_APPLICATION_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM

);

A.8 OKL_AES_PVT.AESV_REC_TYPE

```

TYPE OKL_AES_PVT.AESV_REC_TYPE IS RECORD (
    ID                                NUMBER                := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER             NUMBER                := OKL_API.G_MISS_NUM,
    NAME                              VARCHAR2(150)         := OKL_API.G_MISS_CHAR,
    DESCRIPTION                       VARCHAR2(1995)         := OKL_API.G_MISS_CHAR,
    VERSION                           VARCHAR2(24)          := OKL_API.G_MISS_CHAR,
    START_DATE                        DATE                   := OKL_API.G_MISS_DATE,
    END_DATE                          DATE                   := OKL_API.G_MISS_DATE,
    ORG_ID                            NUMBER                := OKL_API.G_MISS_NUM,
    CREATED_BY                        NUMBER                := OKL_API.G_MISS_NUM,
    CREATION_DATE                     DATE                   := OKL_API.G_MISS_DATE,
    LAST_UPDATED_BY                   NUMBER                := OKL_API.G_MISS_NUM,
    LAST_UPDATE_DATE                  DATE                   := OKL_API.G_MISS_DATE,
    LAST_UPDATE_LOGIN                 NUMBER                := OKL_API.G_MISS_NUM
);

```

A.9 OKL_AGB_PVT.AGBV_REC_TYPE

```

TYPE OKL_AGB_PVT.AGBV_REC_TYPE IS RECORD (
    ID                                NUMBER                := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER             NUMBER                := OKL_API.G_MISS_NUM,
    ACC_GROUP_ID                      NUMBER                := OKL_API.G_MISS_NUM,
    KHR_ID                            NUMBER                := OKL_API.G_MISS_NUM,
    DATE_BALANCE                      DATE                  := OKL_API.G_MISS_DATE,
    AMOUNT                            NUMBER                := OKL_API.G_MISS_NUM,
    CREATED_BY                        NUMBER                := OKL_API.G_MISS_NUM,
    CREATION_DATE                     DATE                   := OKL_API.G_MISS_DATE,
    LAST_UPDATED_BY                   NUMBER                := OKL_API.G_MISS_NUM,
    LAST_UPDATE_DATE                  DATE                   := OKL_API.G_MISS_DATE,
    LAST_UPDATE_LOGIN                 NUMBER                := OKL_API.G_MISS_NUM
);

```

A.10 OKL_AGC_PVT.AGCV_REC_TYPE

```

TYPE OKL_AGC_PVT.AGCV_REC_TYPE IS RECORD (
    ID                                NUMBER                := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER             NUMBER                := OKL_API.G_MISS_NUM,
    CODE_COMBINATION_ID              NUMBER                := OKL_API.G_MISS_NUM,
    ACC_GROUP_CODE                    VARCHAR2(30)         := OKL_API.G_MISS_CHAR,
    ORG_ID                            NUMBER                := OKL_API.G_MISS_NUM,

```

SET_OF_BOOKS_ID	NUMBER	:= OKL_API.G_MISS_NUM,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM

);

A.11 OKL_AGN_PVT.AGNV_REC_TYPE

```
TYPE OKL_AGN_PVT.AGNV_REC_TYPE IS RECORD (  
    ID NUMBER := OKL_API.G_MISS_NUM,  
    OBJECT_VERSION_NUMBER NUMBER := OKL_API.G_MISS_NUM,  
    ARO_CODE VARCHAR2(30) := OKL_API.G_MISS_CHAR,  
    ARLO_CODE VARCHAR2(30) := OKL_API.G_MISS_CHAR,  
    ACRO_CODE VARCHAR2(30) := OKL_API.G_MISS_CHAR,  
    LINE_NUMBER NUMBER := OKL_API.G_MISS_NUM,  
    VERSION VARCHAR2(24) := OKL_API.G_MISS_CHAR,  
    LEFT_PARENTHESSES VARCHAR2(3) := OKL_API.G_MISS_CHAR,  
    RIGHT_OPERAND_LITERAL VARCHAR2(90) := OKL_API.G_MISS_CHAR,  
    RIGHT_PARENTHESSES VARCHAR2(3) := OKL_API.G_MISS_CHAR,  
    FROM_DATE DATE := OKL_API.G_MISS_DATE,  
    TO_DATE DATE := OKL_API.G_MISS_DATE,  
    ORG_ID NUMBER := OKL_API.G_MISS_NUM,  
    CREATED_BY NUMBER := OKL_API.G_MISS_NUM,  
    CREATION_DATE DATE := OKL_API.G_MISS_DATE,  
    LAST_UPDATED_BY NUMBER := OKL_API.G_MISS_NUM,  
    LAST_UPDATE_DATE DATE := OKL_API.G_MISS_DATE,  
    LAST_UPDATE_LOGIN NUMBER := OKL_API.G_MISS_NUM  
);
```

A.12 OKL_AGR_PVT.AGRV_REC_TYPE

```
TYPE OKL_AGR_PVT.AGRV_REC_TYPE IS RECORD (  
    ID NUMBER := OKL_API.G_MISS_NUM,  
    OBJECT_VERSION_NUMBER NUMBER := OKL_API.G_MISS_NUM,  
    AE_LINE_TYPE VARCHAR2(30) := OKL_API.G_MISS_CHAR,  
    SET_OF_BOOKS_ID NUMBER := OKL_API.G_MISS_NUM,  
    ORG_ID NUMBER := OKL_API.G_MISS_NUM,  
    CREATED_BY NUMBER := OKL_API.G_MISS_NUM,  
    CREATION_DATE DATE := OKL_API.G_MISS_DATE,  
    LAST_UPDATED_BY NUMBER := OKL_API.G_MISS_NUM,  
);
```



```

        LAST_UPDATE_DATE          DATE          := OKL_API.G_MISS_DATE,
        LAST_UPDATE_LOGIN         NUMBER         := OKL_API.G_MISS_NUM
    );

```

A.13 OKL_AMH_PVT.AMHV_REC_TYPE

```

TYPE OKL_AMH_PVT.AMHV_REC_TYPE IS RECORD (
    ID                               NUMBER          := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER           NUMBER          := OKL_API.G_MISS_NUM,
    HOLD_PERIOD_DAYS                NUMBER          := OKL_API.G_MISS_NUM,
    CATEGORY_ID                     NUMBER          := OKL_API.G_MISS_NUM,
    BOOK_TYPE_CODE                  VARCHAR2(15)     := OKL_API.G_MISS_CHAR,
    METHOD_ID                        NUMBER          := OKL_API.G_MISS_NUM,
    ORG_ID                          NUMBER          := OKL_API.G_MISS_NUM,
    CREATED_BY                      NUMBER          := OKL_API.G_MISS_NUM,
    CREATION_DATE                   DATE            := OKL_API.G_MISS_DATE,
    LAST_UPDATED_BY                 NUMBER          := OKL_API.G_MISS_NUM,
    LAST_UPDATE_DATE                DATE            := OKL_API.G_MISS_DATE,
    LAST_UPDATE_LOGIN               NUMBER          := OKL_API.G_MISS_NUM
);

```

A.14 OKL_AM_CREATE_QUOTE_PVT.ASSN_REC_TYPE

```

TYPE OKL_AM_CREATE_QUOTE_PVT.ASSN_REC_TYPE IS RECORD (
    P_ASSET_ID                      NUMBER          := OKL_API.G_MISS_NUM,
    P_ASSET_NUMBER                  VARCHAR2(200)    := OKL_API.G_MISS_CHAR
);

```

A.15 OKL_ART_PVT.ARTV_REC_TYPE

```

TYPE OKL_ART_PVT.ARTV_REC_TYPE IS RECORD (
    ID                               NUMBER          := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER           NUMBER          := OKL_API.G_MISS_NUM,
    SFWT_FLAG                       VARCHAR2(3)     := OKL_API.G_MISS_CHAR,
    RMR_ID                          NUMBER          := OKL_API.G_MISS_NUM,
    IMR_ID                          NUMBER          := OKL_API.G_MISS_NUM,
    RNA_ID                          NUMBER          := OKL_API.G_MISS_NUM,
    KLE_ID                          NUMBER          := OKL_API.G_MISS_NUM,
    ISO_ID                          NUMBER          := OKL_API.G_MISS_NUM,
    SECURITY_DEP_TRX_AP_ID           NUMBER          := OKL_API.G_MISS_NUM,

```

ARS_CODE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
ART1_CODE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
DATE_RETURNED	DATE	:= OKL_API.G_MISS_DATE,
DATE_TITLE_RETURNED	DATE	:= OKL_API.G_MISS_DATE,
DATE_RETURN_DUE	DATE	:= OKL_API.G_MISS_DATE,
DATE_RETURN_NOTIFIED	DATE	:= OKL_API.G_MISS_DATE,
RELOCATE_ASSET_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
VOLUNTARY_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
DATE_REPOSSESSION_REQUIRED	DATE	:= OKL_API.G_MISS_DATE,
DATE_REPOSSESSION_ACTUAL	DATE	:= OKL_API.G_MISS_DATE,
DATE_HOLD_UNTIL	DATE	:= OKL_API.G_MISS_DATE,
COMMERCIALLY_REAS_SALE_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
COMMENTS	VARCHAR2 (1995)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE_CATEGORY	VARCHAR2 (90)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE1	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE2	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE3	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE4	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE5	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE6	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE7	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE8	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE9	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE10	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE11	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE12	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE13	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE14	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE15	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ORG_ID	NUMBER	:= OKL_API.G_MISS_NUM,
REQUEST_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_APPLICATION_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM,
FLOOR_PRICE	NUMBER	:= OKL_API.G_MISS_NUM,
NEW_ITEM_PRICE	NUMBER	:= OKL_API.G_MISS_NUM,
ASSET_RELOCATED_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
NEW_ITEM_DESCRIPTION	VARCHAR2 (1995)	:= OKL_API.G_MISS_CHAR,
REPURCHASE_AGMT_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
LIKE_KIND_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR

);

A.16 OKL_ART_PVT.ARTV_REC_TYPE

```

TYPE OKL_ART_PVT.ARTV_REC_TYPE IS RECORD (
    ID                                NUMBER                := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER             NUMBER                := OKL_API.G_MISS_NUM,
    SFWT_FLAG                         VARCHAR2(3)          := OKL_API.G_MISS_CHAR,
    TAL_ID                           NUMBER                := OKL_API.G_MISS_NUM,
    TARGET_KLE_ID                    NUMBER                := OKL_API.G_MISS_NUM,
    LINE_DETAIL_NUMBER                NUMBER                := OKL_API.G_MISS_NUM,
    ASSET_NUMBER                     VARCHAR2(15)          := OKL_API.G_MISS_CHAR,
    DESCRIPTION                      VARCHAR2(1995)        := OKL_API.G_MISS_CHAR,
    QUANTITY                         NUMBER                := OKL_API.G_MISS_NUM,
    COST                             NUMBER                := OKL_API.G_MISS_NUM,
    TAX_BOOK                         VARCHAR2(15)          := OKL_API.G_MISS_CHAR,
    LIFE_IN_MONTHS_TAX               NUMBER                := OKL_API.G_MISS_NUM,
    DEPRN_METHOD_TAX                 VARCHAR2(12)          := OKL_API.G_MISS_CHAR,
    DEPRN_RATE_TAX                   NUMBER                := OKL_API.G_MISS_NUM,
    SALVAGE_VALUE                    NUMBER                := OKL_API.G_MISS_NUM,
    SPLIT_PERCENT                    NUMBER                := OKL_API.G_MISS_NUM,
    INVENTORY_ITEM_ID                NUMBER                := OKL_API.G_MISS_NUM,
    ATTRIBUTE_CATEGORY                VARCHAR2(90)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE1                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE2                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE3                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE4                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE5                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE6                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE7                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE8                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE9                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE10                      VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE11                      VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE12                      VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE13                      VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE14                      VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE15                      VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    CREATED_BY                       NUMBER                := OKL_API.G_MISS_NUM,
    CREATION_DATE                    DATE                  := OKL_API.G_MISS_DATE,
    LAST_UPDATED_BY                  NUMBER                := OKL_API.G_MISS_NUM,
    LAST_UPDATE_DATE                 DATE                  := OKL_API.G_MISS_DATE,
    LAST_UPDATE_LOGIN                 NUMBER                := OKL_API.G_MISS_NUM
);

```

);

A.17 OKL_ATL_PVT.ATLV_REC_TYPE

```
TYPE OKL_ATL_PVT.ATLV_REC_TYPE IS RECORD (  
  ID                                NUMBER                := OKL_API.G_MISS_NUM,  
  OBJECT_VERSION_NUMBER            NUMBER                := OKL_API.G_MISS_NUM,  
  AVL_ID                           NUMBER                := OKL_API.G_MISS_NUM,  
  CRD_CODE                        VARCHAR2(30)           := OKL_API.G_MISS_CHAR,  
  CODE_COMBINATION_ID             NUMBER                := OKL_API.G_MISS_NUM,  
  AE_LINE_TYPE                    VARCHAR2(90)           := OKL_API.G_MISS_CHAR,  
  SEQUENCE_NUMBER                 NUMBER                := OKL_API.G_MISS_NUM,  
  DESCRIPTION                     VARCHAR2(1995)         := OKL_API.G_MISS_CHAR,  
  PERCENTAGE                      NUMBER                := OKL_API.G_MISS_NUM,  
  ACCOUNT_BUILDER_YN              VARCHAR2(3)           := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE_CATEGORY              VARCHAR2(90)           := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE1                      VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE2                      VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE3                      VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE4                      VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE5                      VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE6                      VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE7                      VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE8                      VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE9                      VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE10                     VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE11                     VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE12                     VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE13                     VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE14                     VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE15                     VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
  AVL_TBL_INDEX                   NUMBER                := OKL_API.G_MISS_NUM,  
  ORG_ID                          NUMBER                := OKL_API.G_MISS_NUM,  
  CREATED_BY                      NUMBER                := OKL_API.G_MISS_NUM,  
  CREATION_DATE                   DATE                 := OKL_API.G_MISS_DATE,  
  LAST_UPDATED_BY                 NUMBER                := OKL_API.G_MISS_NUM,  
  LAST_UPDATE_DATE                DATE                 := OKL_API.G_MISS_DATE,  
  LAST_UPDATE_LOGIN                NUMBER                := OKL_API.G_MISS_NUM  
);
```

A.18 OKL_AUL_PVT.AULV_REC_TYPE

```

TYPE OKL_AUL_PVT.AULV_REC_TYPE IS RECORD (
    ID                                NUMBER                := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER             NUMBER                := OKL_API.G_MISS_NUM,
    SOURCE                            VARCHAR2(30)          := OKL_API.G_MISS_CHAR,
    SEGMENT                           VARCHAR2(30)          := OKL_API.G_MISS_CHAR,
    SEGMENT_NUMBER                     NUMBER                := OKL_API.G_MISS_NUM,
    CONSTANTS                          VARCHAR2(30)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE_CATEGORY                 VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE1                         VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE2                         VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE3                         VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE4                         VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE5                         VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE6                         VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE7                         VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE8                         VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE9                         VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE10                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE11                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE12                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE13                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE14                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE15                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    AGR_ID                            NUMBER                := OKL_API.G_MISS_NUM,
    CREATED_BY                         NUMBER                := OKL_API.G_MISS_NUM,
    CREATION_DATE                     DATE                  := OKL_API.G_MISS_DATE,
    LAST_UPDATED_BY                   NUMBER                := OKL_API.G_MISS_NUM,
    LAST_UPDATE_DATE                  DATE                  := OKL_API.G_MISS_DATE,
    LAST_UPDATE_LOGIN                  NUMBER                := OKL_API.G_MISS_NUM
);

```

A.19 OKL_AVL_PVT.AVLV_REC_TYPE

```

TYPE OKL_AVL_PVT.AVLV_REC_TYPE IS RECORD (
    ID                                NUMBER                := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER             NUMBER                := OKL_API.G_MISS_NUM,
    TRY_ID                            NUMBER                := OKL_API.G_MISS_NUM,
    AES_ID                            NUMBER                := OKL_API.G_MISS_NUM,
    STY_ID                            NUMBER                := OKL_API.G_MISS_NUM,
    FMA_ID                            NUMBER                := OKL_API.G_MISS_NUM,
    SET_OF_BOOKS_ID                   NUMBER                := OKL_API.G_MISS_NUM,

```

FAC_CODE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
SYT_CODE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
POST_TO_GL	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
ADVANCE_ARREARS	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
MEMO_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
PRIOR_YEAR_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
NAME	VARCHAR2 (150)	:= OKL_API.G_MISS_CHAR,
DESCRIPTION	VARCHAR2 (1995)	:= OKL_API.G_MISS_CHAR,
VERSION	VARCHAR2 (24)	:= OKL_API.G_MISS_CHAR,
FACTORING_SYND_FLAG	VARCHAR2 (45)	:= OKL_API.G_MISS_CHAR,
START_DATE	DATE	:= OKL_API.G_MISS_DATE,
END_DATE	DATE	:= OKL_API.G_MISS_DATE,
ACCRUAL_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE_CATEGORY	VARCHAR2 (90)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE1	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE2	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE3	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE4	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE5	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE6	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE7	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE8	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE9	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE10	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE11	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE12	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE13	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE14	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE15	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ORG_ID	NUMBER	:= OKL_API.G_MISS_NUM,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM

);

A.20 OKL_BKT_PVT.BKTV_REC_TYPE

TYPE OKL_BKT_PVT.BKTV_REC_TYPE IS RECORD (		
ID	NUMBER	:= OKL_API.G_MISS_NUM,
OBJECT_VERSION_NUMBER	NUMBER	:= OKL_API.G_MISS_NUM,
IBC_ID	NUMBER	:= OKL_API.G_MISS_NUM,

VERSION	VARCHAR2(24)	:= OKL_API.G_MISS_CHAR,
COMMENTS	VARCHAR2(1995)	:= OKL_API.G_MISS_CHAR,
LOSS_RATE	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_ID	NUMBER	:= OKL_API.G_MISS_NUM,
REQUEST_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_APPLICATION_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
START_DATE	DATE	:= OKL_API.G_MISS_DATE,
END_DATE	DATE	:= OKL_API.G_MISS_DATE,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM

);

A.21 OKL_CAH_PVT.CAHV_REC_TYPE

```
TYPE OKL_CAH_PVT.CAHV_REC_TYPE IS RECORD (
  ID NUMBER := OKL_API.G_MISS_NUM,
  OBJECT_VERSION_NUMBER NUMBER := OKL_API.G_MISS_NUM,
  NAME VARCHAR2(150) := OKL_API.G_MISS_CHAR,
  DESCRIPTION VARCHAR2(1995) := OKL_API.G_MISS_CHAR,
  SEQUENCE_NUMBER NUMBER := OKL_API.G_MISS_NUM,
  ATTRIBUTE_CATEGORY VARCHAR2(90) := OKL_API.G_MISS_CHAR,
  ATTRIBUTE1 VARCHAR2(450) := OKL_API.G_MISS_CHAR,
  ATTRIBUTE2 VARCHAR2(450) := OKL_API.G_MISS_CHAR,
  ATTRIBUTE3 VARCHAR2(450) := OKL_API.G_MISS_CHAR,
  ATTRIBUTE4 VARCHAR2(450) := OKL_API.G_MISS_CHAR,
  ATTRIBUTE5 VARCHAR2(450) := OKL_API.G_MISS_CHAR,
  ATTRIBUTE6 VARCHAR2(450) := OKL_API.G_MISS_CHAR,
  ATTRIBUTE7 VARCHAR2(450) := OKL_API.G_MISS_CHAR,
  ATTRIBUTE8 VARCHAR2(450) := OKL_API.G_MISS_CHAR,
  ATTRIBUTE9 VARCHAR2(450) := OKL_API.G_MISS_CHAR,
  ATTRIBUTE10 VARCHAR2(450) := OKL_API.G_MISS_CHAR,
  ATTRIBUTE11 VARCHAR2(450) := OKL_API.G_MISS_CHAR,
  ATTRIBUTE12 VARCHAR2(450) := OKL_API.G_MISS_CHAR,
  ATTRIBUTE13 VARCHAR2(450) := OKL_API.G_MISS_CHAR,
  ATTRIBUTE14 VARCHAR2(450) := OKL_API.G_MISS_CHAR,
  ATTRIBUTE15 VARCHAR2(450) := OKL_API.G_MISS_CHAR,
  ORG_ID NUMBER := OKL_API.G_MISS_NUM,
  CASH_SEARCH_TYPE VARCHAR2(10) := OKL_API.G_MISS_CHAR,
  CREATED_BY NUMBER := OKL_API.G_MISS_NUM,
```

CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM

);

A.22 OKL_CAT_PVT.CATV_REC_TYPE

```
TYPE OKL_CAT_PVT.CATV_REC_TYPE IS RECORD (  
    ID                                NUMBER                := OKL_API.G_MISS_NUM,  
    OBJECT_VERSION_NUMBER            NUMBER                := OKL_API.G_MISS_NUM,  
    NAME                             VARCHAR2(150)         := OKL_API.G_MISS_CHAR,  
    DESCRIPTION                       VARCHAR2(1995)        := OKL_API.G_MISS_CHAR,  
    AMOUNT_TOLERANCE_PERCENT         NUMBER                := OKL_API.G_MISS_NUM,  
    DAYS_PAST_QUOTE_VALID_TOLERANC    NUMBER                := OKL_API.G_MISS_NUM,  
    MONTHS_TO_BILL_AHEAD             NUMBER                := OKL_API.G_MISS_NUM,  
    UNDER_PAYMENT_ALLOCATION_CODE     VARCHAR2(30)          := OKL_API.G_MISS_CHAR,  
    OVER_PAYMENT_ALLOCATION_CODE       VARCHAR2(30)          := OKL_API.G_MISS_CHAR,  
    RECEIPT_MSMTCH_ALLOCATION_CODE     VARCHAR2(30)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE_CATEGORY               VARCHAR2(90)           := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE1                       VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE2                       VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE3                       VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE4                       VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE5                       VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE6                       VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE7                       VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE8                       VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE9                       VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE10                      VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE11                      VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE12                      VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE13                      VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE14                      VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE15                      VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
    ORG_ID                           NUMBER                := OKL_API.G_MISS_NUM,  
    CREATED_BY                       NUMBER                := OKL_API.G_MISS_NUM,  
    CREATION_DATE                     DATE                 := OKL_API.G_MISS_DATE,  
    LAST_UPDATED_BY                   NUMBER                := OKL_API.G_MISS_NUM,  
    LAST_UPDATE_DATE                  DATE                 := OKL_API.G_MISS_DATE,  
    LAST_UPDATE_LOGIN                 NUMBER                := OKL_API.G_MISS_NUM  
);
```


A.23 OKL_CGR_PVT.CGRV_REC_TYPE

```

TYPE OKL_CGR_PVT.CGRV_REC_TYPE IS RECORD (
    ID                                NUMBER                := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER             NUMBER                := OKL_API.G_MISS_NUM,
    SFWT_FLAG                         VARCHAR2(3)           := OKL_API.G_MISS_CHAR,
    NAME                             VARCHAR2(150)          := OKL_API.G_MISS_CHAR,
    DESCRIPTION                       VARCHAR2(1995)         := OKL_API.G_MISS_CHAR,
    CREATED_BY                        NUMBER                 := OKL_API.G_MISS_NUM,
    CREATION_DATE                     DATE                  := OKL_API.G_MISS_DATE,
    LAST_UPDATED_BY                   NUMBER                 := OKL_API.G_MISS_NUM,
    LAST_UPDATE_DATE                  DATE                  := OKL_API.G_MISS_DATE,
    LAST_UPDATE_LOGIN                  NUMBER                 := OKL_API.G_MISS_NUM
);

```

A.24 OKL_CLM_PVT.CLMV_REC_TYPE

```

TYPE OKL_CLM_PVT.CLMV_REC_TYPE IS RECORD (
    ID                                NUMBER                := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER             NUMBER                := OKL_API.G_MISS_NUM,
    SFWT_FLAG                         VARCHAR2(240)          := OKL_API.G_MISS_CHAR,
    IPY_ID                            NUMBER                 := OKL_API.G_MISS_NUM,
    LTP_CODE                         VARCHAR2(30)           := OKL_API.G_MISS_CHAR,
    CSU_CODE                         VARCHAR2(30)           := OKL_API.G_MISS_CHAR,
    CLAIM_NUMBER                     VARCHAR2(15)           := OKL_API.G_MISS_CHAR,
    CLAIM_DATE                       DATE                   := OKL_API.G_MISS_DATE,
    LOSS_DATE                       DATE                   := OKL_API.G_MISS_DATE,
    DESCRIPTION                       VARCHAR2(1995)         := OKL_API.G_MISS_CHAR,
    POLICE_CONTACT                   VARCHAR2(256)          := OKL_API.G_MISS_CHAR,
    POLICE_REPORT                    VARCHAR2(256)          := OKL_API.G_MISS_CHAR,
    AMOUNT                           NUMBER                 := OKL_API.G_MISS_NUM,
    ATTRIBUTE_CATEGORY                VARCHAR2(90)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE1                       VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE2                       VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE3                       VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE4                       VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE5                       VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE6                       VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE7                       VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE8                       VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE9                       VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE10                      VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE11                      VARCHAR2(450)          := OKL_API.G_MISS_CHAR,

```

ATTRIBUTE12	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE13	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE14	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE15	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
HOLD_DATE	DATE	:= OKL_API.G_MISS_DATE,
ORG_ID	NUMBER	:= OKL_API.G_MISS_NUM,
REQUEST_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_APPLICATION_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM

);

A.25 OKL_COPY_CONTRACT_PVT.API_COMPONENTS_REC

```
TYPE OKL_COPY_CONTRACT_PVT.API_COMPONENTS_REC IS RECORD (  
    ID                      NUMBER           := OKL_API.G_MISS_NUM,  
    TO_K                   NUMBER           := OKL_API.G_MISS_NUM,  
    COMPONENT_TYPE         VARCHAR2(30)     := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE1             VARCHAR2(100)    := OKL_API.G_MISS_CHAR  
);
```

A.26 OKL_COPY_CONTRACT_PVT.API_LINES_REC

```
TYPE OKL_COPY_CONTRACT_PVT.API_LINES_REC IS RECORD (  
    ID                      NUMBER           := OKL_API.G_MISS_NUM,  
    TO_K                   NUMBER           := OKL_API.G_MISS_NUM,  
    TO_LINE                NUMBER           := OKL_API.G_MISS_NUM,  
    LSE_ID                 NUMBER           := OKL_API.G_MISS_NUM,  
    LINE_EXISTS_YN         VARCHAR2(1)     := OKL_API.G_MISS_CHAR  
);
```

A.27 OKL_CSH_ORDER_SEQ_PVT.OKL_CSH_ORDER_REC_TYPE

```
TYPE OKL_CSH_ORDER_SEQ_PVT.OKL_CSH_ORDER_REC_TYPE IS RECORD (  
    NAME                   VARCHAR2(150)    := OKL_API.G_MISS_CHAR,
```

```

        STY_ID                NUMBER                := OKL_API.G_MISS_NUM,
        CAT_ID                NUMBER                := OKL_API.G_MISS_NUM,
        ID                    NUMBER                := OKL_API.G_MISS_NUM,
        OBJECT_VERSION_NUMBER NUMBER                := OKL_API.G_MISS_NUM,
        SEQUENCE_NUMBER        NUMBER                := OKL_API.G_MISS_NUM,
        STREAM_ALLC_TYPE       VARCHAR2(10)         := OKL_API.G_MISS_CHAR,
        CREATED_BY             NUMBER                := OKL_API.G_MISS_NUM,
        CREATION_DATE          DATE                  := OKL_API.G_MISS_DATE,
        LAST_UPDATED_BY        NUMBER                := OKL_API.G_MISS_NUM,
        LAST_UPDATE_DATE       DATE                  := OKL_API.G_MISS_DATE,
        LAST_UPDATE_LOGIN      NUMBER                := OKL_API.G_MISS_NUM
    );

```

A.28 OKL_CSP_PVT.CSPV_REC_TYPE

```

TYPE OKL_CSP_PVT.CSPV_REC_TYPE IS RECORD (
    ID                NUMBER                := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER NUMBER            := OKL_API.G_MISS_NUM,
    POV_ID            NUMBER                := OKL_API.G_MISS_NUM,
    KHR_ID            NUMBER                := OKL_API.G_MISS_NUM,
    ATTRIBUTE_CATEGORY VARCHAR2(90)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE1        VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE2        VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE3        VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE4        VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE5        VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE6        VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE7        VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE8        VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE9        VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE10       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE11       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE12       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE13       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE14       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE15       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    CREATED_BY        NUMBER                := OKL_API.G_MISS_NUM,
    CREATION_DATE     DATE                  := OKL_API.G_MISS_DATE,
    LAST_UPDATED_BY   NUMBER                := OKL_API.G_MISS_NUM,
    LAST_UPDATE_DATE  DATE                  := OKL_API.G_MISS_DATE,
    LAST_UPDATE_LOGIN NUMBER                := OKL_API.G_MISS_NUM
);

```

A.29 OKL_CS_LEASE_RENEWAL_PVT.LEASE_DETAILS_REC_TYPE

```
TYPE OKL_CS_LEASE_RENEWAL_PVT.LEASE_DETAILS_REC_TYPE IS RECORD (  
    RENT                                NUMBER                := OKL_API.G_MISS_NUM,  
    START_DATE                         DATE                  := OKL_API.G_MISS_DATE,  
    END_DATE                           DATE                  := OKL_API.G_MISS_DATE,  
    TERM_DURATION                      NUMBER                := OKL_API.G_MISS_NUM,  
    RESIDUAL                           NUMBER                := OKL_API.G_MISS_NUM,  
    YIELD                              NUMBER                := OKL_API.G_MISS_NUM  
);
```

A.30 OKL_CS_TRANSACTIONS_PVT.SVF_INFO_REC

```
TYPE OKL_CS_TRANSACTIONS_PVT.SVF_INFO_REC IS RECORD (  
    SVF_ID                             NUMBER                := OKL_API.G_MISS_NUM,  
    SVF_NAME                           VARCHAR2(80)         := OKL_API.G_MISS_CHAR,  
    SVF_AMOUNT                         NUMBER                := OKL_API.G_MISS_NUM,  
    SVF_DESC                           VARCHAR2(1995)        := OKL_API.G_MISS_CHAR  
);
```

A.31 OKL_DCT_PVT.DCTV_REC_TYPE

```
TYPE OKL_DCT_PVT.DCTV_REC_TYPE IS RECORD (  
    ID                                 NUMBER                := OKL_API.G_MISS_NUM,  
    OBJECT_VERSION_NUMBER              NUMBER                := OKL_API.G_MISS_NUM,  
    RMR_ID                             NUMBER                := OKL_API.G_MISS_NUM,  
    ICO_ID                             NUMBER                := OKL_API.G_MISS_NUM,  
    ILN_ID                             NUMBER                := OKL_API.G_MISS_NUM,  
    DATE_EFFECTIVE_FROM                DATE                  := OKL_API.G_MISS_DATE,  
    DATE_EFFECTIVE_TO                  DATE                  := OKL_API.G_MISS_DATE,  
    ORG_ID                             NUMBER                := OKL_API.G_MISS_NUM,  
    CREATED_BY                         NUMBER                := OKL_API.G_MISS_NUM,  
    CREATION_DATE                      DATE                  := OKL_API.G_MISS_DATE,  
    LAST_UPDATED_BY                    NUMBER                := OKL_API.G_MISS_NUM,  
    LAST_UPDATE_DATE                   DATE                  := OKL_API.G_MISS_DATE,  
    LAST_UPDATE_LOGIN                   NUMBER                := OKL_API.G_MISS_NUM  
);
```

A.32 OKL_DSF_PVT.DSFV_REC_TYPE

```

TYPE OKL_DSF_PVT.DSFV_REC_TYPE IS RECORD (
    ID                                NUMBER                := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER             NUMBER                := OKL_API.G_MISS_NUM,
    SFWT_FLAG                         VARCHAR2(3)           := OKL_API.G_MISS_CHAR,
    FNCTN_CODE                       VARCHAR2(30)           := OKL_API.G_MISS_CHAR,
    NAME                             VARCHAR2(150)          := OKL_API.G_MISS_CHAR,
    DESCRIPTION                       VARCHAR2(1995)         := OKL_API.G_MISS_CHAR,
    VERSION                          VARCHAR2(24)           := OKL_API.G_MISS_CHAR,
    START_DATE                       DATE                    := OKL_API.G_MISS_DATE,
    END_DATE                         DATE                    := OKL_API.G_MISS_DATE,
    SOURCE                           VARCHAR2(720)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE_CATEGORY                VARCHAR2(90)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE1                       VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE2                       VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE3                       VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE4                       VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE5                       VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE6                       VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE7                       VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE8                       VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE9                       VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE10                      VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE11                      VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE12                      VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE13                      VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE14                      VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE15                      VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ORG_ID                           NUMBER                := OKL_API.G_MISS_NUM,
    CREATED_BY                       NUMBER                := OKL_API.G_MISS_NUM,
    CREATION_DATE                    DATE                   := OKL_API.G_MISS_DATE,
    LAST_UPDATED_BY                  NUMBER                := OKL_API.G_MISS_NUM,
    LAST_UPDATE_DATE                 DATE                   := OKL_API.G_MISS_DATE,
    LAST_UPDATE_LOGIN                NUMBER                := OKL_API.G_MISS_NUM
);

```

A.33 OKL_EXECUTE_FORMULA_PVT.CTXT_VAL_REC_TYPE

```

TYPE OKL_EXECUTE_FORMULA_PVT.CTXT_VAL_REC_TYPE IS RECORD (
    NAME                             VARCHAR2(150)          := OKL_API.G_MISS_CHAR,
    VALUE                            VARCHAR2(240)          := OKL_API.G_MISS_CHAR
);

```

A.34 OKL_FMA_PVT.FMAV_REC_TYPE

```
TYPE OKL_FMA_PVT.FMAV_REC_TYPE IS RECORD (  
  ID                                NUMBER                                := OKL_API.G_MISS_NUM,  
  OBJECT_VERSION_NUMBER            NUMBER                                := OKL_API.G_MISS_NUM,  
  SFWT_FLAG                        VARCHAR2(3)                        := OKL_API.G_MISS_CHAR,  
  CGR_ID                           NUMBER                                := OKL_API.G_MISS_NUM,  
  FYP_CODE                         VARCHAR2(30)                       := OKL_API.G_MISS_CHAR,  
  NAME                             VARCHAR2(150)                     := OKL_API.G_MISS_CHAR,  
  FORMULA_STRING                   VARCHAR2(2000)                    := OKL_API.G_MISS_CHAR,  
  DESCRIPTION                       VARCHAR2(1995)                   := OKL_API.G_MISS_CHAR,  
  VERSION                          VARCHAR2(8)                       := OKL_API.G_MISS_CHAR,  
  START_DATE                       DATE                                := OKL_API.G_MISS_DATE,  
  END_DATE                         DATE                                := OKL_API.G_MISS_DATE,  
  ATTRIBUTE_CATEGORY               VARCHAR2(90)                      := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE1                       VARCHAR2(450)                     := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE2                       VARCHAR2(450)                     := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE3                       VARCHAR2(450)                     := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE4                       VARCHAR2(450)                     := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE5                       VARCHAR2(450)                     := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE6                       VARCHAR2(450)                     := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE7                       VARCHAR2(450)                     := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE8                       VARCHAR2(450)                     := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE9                       VARCHAR2(450)                     := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE10                      VARCHAR2(450)                     := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE11                      VARCHAR2(450)                     := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE12                      VARCHAR2(450)                     := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE13                      VARCHAR2(450)                     := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE14                      VARCHAR2(450)                     := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE15                      VARCHAR2(450)                     := OKL_API.G_MISS_CHAR,  
  ORG_ID                           NUMBER                                := OKL_API.G_MISS_NUM,  
  THERE_CAN_BE_ONLY_ONE_YN         VARCHAR2(3)                      := OKL_API.G_MISS_CHAR,  
  CREATED_BY                       NUMBER                                := OKL_API.G_MISS_NUM,  
  CREATION_DATE                    DATE                                := OKL_API.G_MISS_DATE,  
  LAST_UPDATED_BY                  NUMBER                                := OKL_API.G_MISS_NUM,  
  LAST_UPDATE_DATE                 DATE                                := OKL_API.G_MISS_DATE,  
  LAST_UPDATE_LOGIN                 NUMBER                                := OKL_API.G_MISS_NUM  
);
```

A.35 OKL_FOD_PVT.FODV_REC_TYPE

```

TYPE OKL_FOD_PVT.FODV_REC_TYPE IS RECORD (
    ID                                NUMBER                := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER            NUMBER                := OKL_API.G_MISS_NUM,
    OPD_ID                          NUMBER                := OKL_API.G_MISS_NUM,
    FMA_ID                          NUMBER                := OKL_API.G_MISS_NUM,
    LABEL                           VARCHAR2(720)         := OKL_API.G_MISS_CHAR,
    CREATED_BY                      NUMBER                := OKL_API.G_MISS_NUM,
    CREATION_DATE                   DATE                  := OKL_API.G_MISS_DATE,
    LAST_UPDATED_BY                 NUMBER                := OKL_API.G_MISS_NUM,
    LAST_UPDATE_DATE                DATE                  := OKL_API.G_MISS_DATE,
    LAST_UPDATE_LOGIN               NUMBER                := OKL_API.G_MISS_NUM
);

```

A.36 OKL_GENERATE_ACCRUALS_PVT.ACCRUAL_REC_TYPE

```

TYPE OKL_GENERATE_ACCRUALS_PVT.ACCRUAL_REC_TYPE IS RECORD (
    CONTRACT_ID                    NUMBER                := OKL_API.G_MISS_NUM,
    STY_ID                         NUMBER                := OKL_API.G_MISS_NUM,
    SET_OF_BOOKS_ID               NUMBER                := OKL_API.G_MISS_NUM,
    REVERSE_DATE_TO               DATE                  := OKL_API.G_MISS_DATE,
    ACCRUAL_DATE                  DATE                  := OKL_API.G_MISS_DATE,
    TRX_DATE                      DATE                  := OKL_API.G_MISS_DATE,
    CONTRACT_NUMBER               VARCHAR2(120)         := OKL_API.G_MISS_CHAR,
    RULE_RESULT                   VARCHAR2(3)           := OKL_API.G_MISS_CHAR,
    OVERRIDE_STATUS               VARCHAR2(3)           := OKL_API.G_MISS_CHAR,
    DESCRIPTION                   VARCHAR2(1995)        := OKL_API.G_MISS_CHAR,
    AMOUNT                        NUMBER                := OKL_API.G_MISS_NUM,
    CURRENCY_CODE                 VARCHAR2(150)         := OKL_API.G_MISS_CHAR,
    PRODUCT_ID                   NUMBER                := OKL_API.G_MISS_NUM,
    TRX_TYPE_ID                   NUMBER                := OKL_API.G_MISS_NUM,
    ADVANCE_ARREARS               VARCHAR2(30)          := OKL_API.G_MISS_CHAR,
    FACTORING_SYND_FLAG           VARCHAR2(45)          := OKL_API.G_MISS_CHAR,
    POST_TO_GL                    VARCHAR2(1)           := OKL_API.G_MISS_CHAR,
    GL_REVERSAL_FLAG              VARCHAR2(1)           := OKL_API.G_MISS_CHAR,
    MEMO_YN                      VARCHAR2(1)           := OKL_API.G_MISS_CHAR
);

```

A.37 OKL_ICG_PVT.ICGV_REC_TYPE

```
TYPE OKL_ICG_PVT.ICGV_REC_TYPE IS RECORD (  
    ID                                NUMBER                := OKL_API.G_MISS_NUM,  
    OBJECT_VERSION_NUMBER            NUMBER                := OKL_API.G_MISS_NUM,  
    IAY_ID                           NUMBER                := OKL_API.G_MISS_NUM,  
    IAC_CODE                         VARCHAR2(30)          := OKL_API.G_MISS_CHAR,  
    DATE_FROM                        DATE                   := OKL_API.G_MISS_DATE,  
    DATE_TO                          DATE                   := OKL_API.G_MISS_DATE,  
    CREATED_BY                       NUMBER                := OKL_API.G_MISS_NUM,  
    CREATION_DATE                    DATE                   := OKL_API.G_MISS_DATE,  
    LAST_UPDATED_BY                  NUMBER                := OKL_API.G_MISS_NUM,  
    LAST_UPDATE_DATE                 DATE                   := OKL_API.G_MISS_DATE,  
    LAST_UPDATE_LOGIN                NUMBER                := OKL_API.G_MISS_NUM  
);
```

A.38 OKL_ICP_PVT.ICPV_REC_TYPE

```
TYPE OKL_ICP_PVT.ICPV_REC_TYPE IS RECORD (  
    ID                                NUMBER                := OKL_API.G_MISS_NUM,  
    OBJECT_VERSION_NUMBER            NUMBER                := OKL_API.G_MISS_NUM,  
    CAT_ID1                          NUMBER                := OKL_API.G_MISS_NUM,  
    CAT_ID2                          VARCHAR2(81)          := OKL_API.G_MISS_CHAR,  
    TERM_IN_MONTHS                   NUMBER                := OKL_API.G_MISS_NUM,  
    RESIDUAL_VALUE_PERCENT            NUMBER                := OKL_API.G_MISS_NUM,  
    START_DATE                       DATE                   := OKL_API.G_MISS_DATE,  
    END_DATE                         DATE                   := OKL_API.G_MISS_DATE,  
    CREATED_BY                       NUMBER                := OKL_API.G_MISS_NUM,  
    CREATION_DATE                    DATE                   := OKL_API.G_MISS_DATE,  
    LAST_UPDATED_BY                  NUMBER                := OKL_API.G_MISS_NUM,  
    LAST_UPDATE_DATE                 DATE                   := OKL_API.G_MISS_DATE,  
    LAST_UPDATE_LOGIN                NUMBER                := OKL_API.G_MISS_NUM,  
    ATTRIBUTE_CATEGORY               VARCHAR2(90)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE1                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE2                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE3                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE4                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE5                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE6                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE7                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE8                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE9                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE10                      VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
```



```

ATTRIBUTE11          VARCHAR2(450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE12          VARCHAR2(450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE13          VARCHAR2(450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE14          VARCHAR2(450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE15          VARCHAR2(450)      := OKL_API.G_MISS_CHAR
);

```

A.39 OKL_IDI_PVT.IDIV_REC_TYPE

```

TYPE OKL_IDI_PVT.IDIV_REC_TYPE IS RECORD (
    ID                      NUMBER          := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER   NUMBER          := OKL_API.G_MISS_NUM,
    IDI_TYPE                VARCHAR2(150)    := OKL_API.G_MISS_CHAR,
    PROCESS_FLAG            NUMBER          := OKL_API.G_MISS_NUM,
    PROPORTION_CONTRIBUTED  NUMBER          := OKL_API.G_MISS_NUM,
    INDEX_NAME              VARCHAR2(150)    := OKL_API.G_MISS_CHAR,
    DESCRIPTION              VARCHAR2(1995)  := OKL_API.G_MISS_CHAR,
    VALUE                   NUMBER          := OKL_API.G_MISS_NUM,
    DATETIME_VALID          DATE            := OKL_API.G_MISS_DATE,
    DATETIME_INVALID        DATE            := OKL_API.G_MISS_DATE,
    ATTRIBUTE_CATEGORY       VARCHAR2(90)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE1              VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE2              VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE3              VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE4              VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE5              VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE6              VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE7              VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE8              VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE9              VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE10             VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE11             VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE12             VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE13             VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE14             VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE15             VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    PROGRAM_ID              NUMBER          := OKL_API.G_MISS_NUM,
    REQUEST_ID              NUMBER          := OKL_API.G_MISS_NUM,
    PROGRAM_APPLICATION_ID   NUMBER          := OKL_API.G_MISS_NUM,
    PROGRAM_UPDATE_DATE      DATE            := OKL_API.G_MISS_DATE,
    CREATED_BY              NUMBER          := OKL_API.G_MISS_NUM,
    CREATION_DATE            DATE            := OKL_API.G_MISS_DATE,
    LAST_UPDATED_BY         NUMBER          := OKL_API.G_MISS_NUM,

```

```
        LAST_UPDATE_DATE          DATE                := OKL_API.G_MISS_DATE,
        LAST_UPDATE_LOGIN         NUMBER              := OKL_API.G_MISS_NUM
    );
```

A.40 OKL_IDX_PVT.IDXV_REC_TYPE

```
TYPE OKL_IDX_PVT.IDXV_REC_TYPE IS RECORD (
    ID                                NUMBER            := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER             NUMBER            := OKL_API.G_MISS_NUM,
    NAME                              VARCHAR2(150)     := OKL_API.G_MISS_CHAR,
    DESCRIPTION                        VARCHAR2(1995)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE_CATEGORY                VARCHAR2(90)      := OKL_API.G_MISS_CHAR,
    ATTRIBUTE1                        VARCHAR2(450)     := OKL_API.G_MISS_CHAR,
    ATTRIBUTE2                        VARCHAR2(450)     := OKL_API.G_MISS_CHAR,
    ATTRIBUTE3                        VARCHAR2(450)     := OKL_API.G_MISS_CHAR,
    ATTRIBUTE4                        VARCHAR2(450)     := OKL_API.G_MISS_CHAR,
    ATTRIBUTE5                        VARCHAR2(450)     := OKL_API.G_MISS_CHAR,
    ATTRIBUTE6                        VARCHAR2(450)     := OKL_API.G_MISS_CHAR,
    ATTRIBUTE7                        VARCHAR2(450)     := OKL_API.G_MISS_CHAR,
    ATTRIBUTE8                        VARCHAR2(450)     := OKL_API.G_MISS_CHAR,
    ATTRIBUTE9                        VARCHAR2(450)     := OKL_API.G_MISS_CHAR,
    ATTRIBUTE10                       VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE11                       VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE12                       VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE13                       VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE14                       VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE15                       VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    IDX_TYPE                          VARCHAR2(10)     := OKL_API.G_MISS_CHAR,
    IDX_FREQUENCY                     VARCHAR2(30)     := OKL_API.G_MISS_CHAR,
    PROGRAM_ID                        NUMBER            := OKL_API.G_MISS_NUM,
    REQUEST_ID                        NUMBER            := OKL_API.G_MISS_NUM,
    PROGRAM_APPLICATION_ID            NUMBER            := OKL_API.G_MISS_NUM,
    PROGRAM_UPDATE_DATE               DATE              := OKL_API.G_MISS_DATE,
    CREATED_BY                        NUMBER            := OKL_API.G_MISS_NUM,
    CREATION_DATE                     DATE              := OKL_API.G_MISS_DATE,
    LAST_UPDATED_BY                   NUMBER            := OKL_API.G_MISS_NUM,
    LAST_UPDATE_DATE                  DATE              := OKL_API.G_MISS_DATE,
    LAST_UPDATE_LOGIN                 NUMBER            := OKL_API.G_MISS_NUM
);
```

A.41 OKL_IEN_PVT.IENV_REC_TYPE

```

TYPE OKL_IEN_PVT.IENV_REC_TYPE IS RECORD (
    ID                                NUMBER                := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER            NUMBER                := OKL_API.G_MISS_NUM,
    SFWT_FLAG                        VARCHAR2(3)           := OKL_API.G_MISS_CHAR,
    COUNTRY_ID                      VARCHAR2(2)            := OKL_API.G_MISS_CHAR,
    COLL_CODE                       NUMBER                 := OKL_API.G_MISS_NUM,
    ATTRIBUTE_CATEGORY              VARCHAR2(90)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE1                      VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE2                      VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE3                      VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE4                      VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE5                      VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE6                      VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE7                      VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE8                      VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE9                      VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE10                     VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE11                     VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE12                     VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE13                     VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE14                     VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE15                     VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    DATE_FROM                       DATE                   := OKL_API.G_MISS_DATE,
    SIC_CODE                        VARCHAR2(30)           := OKL_API.G_MISS_CHAR,
    DATE_TO                         DATE                   := OKL_API.G_MISS_DATE,
    COMMENTS                       VARCHAR2(1995)         := OKL_API.G_MISS_CHAR,
    CREATED_BY                      NUMBER                 := OKL_API.G_MISS_NUM,
    CREATION_DATE                   DATE                   := OKL_API.G_MISS_DATE,
    LAST_UPDATED_BY                 NUMBER                 := OKL_API.G_MISS_NUM,
    LAST_UPDATE_DATE                DATE                   := OKL_API.G_MISS_DATE,
    LAST_UPDATE_LOGIN                NUMBER                 := OKL_API.G_MISS_NUM
);

```

A.42 OKL_ILS_PVT.ILSV_REC_TYPE

```

TYPE OKL_ILS_PVT.ILSV_REC_TYPE IS RECORD (
    ID                                NUMBER                := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER            NUMBER                := OKL_API.G_MISS_NUM,
    STY_ID                          NUMBER                := OKL_API.G_MISS_NUM,
    INF_ID                          NUMBER                := OKL_API.G_MISS_NUM,
    ILT_ID                          NUMBER                := OKL_API.G_MISS_NUM,

```

ATTRIBUTE_CATEGORY	VARCHAR2 (90)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE1	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE2	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE3	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE4	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE5	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE6	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE7	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE8	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE9	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE10	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE11	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE12	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE13	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE14	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE15	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM

);

A.43 OKL_ILT_PVT.ILTV_REC_TYPE

TYPE OKL_ILT_PVT.ILTV_REC_TYPE IS RECORD (		
ID	NUMBER	:= OKL_API.G_MISS_NUM,
OBJECT_VERSION_NUMBER	NUMBER	:= OKL_API.G_MISS_NUM,
SFWT_FLAG	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
ITY_ID	NUMBER	:= OKL_API.G_MISS_NUM,
SEQUENCE_NUMBER	NUMBER	:= OKL_API.G_MISS_NUM,
NAME	VARCHAR2 (150)	:= OKL_API.G_MISS_CHAR,
DESCRIPTION	VARCHAR2 (1995)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE_CATEGORY	VARCHAR2 (90)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE1	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE2	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE3	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE4	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE5	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE6	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE7	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE8	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE9	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,

```

ATTRIBUTE10          VARCHAR2(450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE11          VARCHAR2(450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE12          VARCHAR2(450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE13          VARCHAR2(450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE14          VARCHAR2(450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE15          VARCHAR2(450)      := OKL_API.G_MISS_CHAR,
CREATED_BY           NUMBER             := OKL_API.G_MISS_NUM,
CREATION_DATE        DATE               := OKL_API.G_MISS_DATE,
LAST_UPDATED_BY      NUMBER             := OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE     DATE               := OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN    NUMBER             := OKL_API.G_MISS_NUM
);

```

A.44 OKL_INF_PVT.INFV_REC_TYPE

```

TYPE OKL_INF_PVT.INFV_REC_TYPE IS RECORD (
  ID                      NUMBER          := OKL_API.G_MISS_NUM,
  OBJECT_VERSION_NUMBER   NUMBER          := OKL_API.G_MISS_NUM,
  ILT_ID                  NUMBER          := OKL_API.G_MISS_NUM,
  SFWT_FLAG               VARCHAR2(3)     := OKL_API.G_MISS_CHAR,
  NAME                    VARCHAR2(150)   := OKL_API.G_MISS_CHAR,
  DESCRIPTION              VARCHAR2(1995) := OKL_API.G_MISS_CHAR,
  CONTRACT_LEVEL_YN       VARCHAR2(3)     := OKL_API.G_MISS_CHAR,
  START_DATE              DATE            := OKL_API.G_MISS_DATE,
  END_DATE                DATE            := OKL_API.G_MISS_DATE,
  ATTRIBUTE_CATEGORY      VARCHAR2(90)    := OKL_API.G_MISS_CHAR,
  ATTRIBUTE1              VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
  ATTRIBUTE2              VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
  ATTRIBUTE3              VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
  ATTRIBUTE4              VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
  ATTRIBUTE5              VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
  ATTRIBUTE6              VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
  ATTRIBUTE7              VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
  ATTRIBUTE8              VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
  ATTRIBUTE9              VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
  ATTRIBUTE10             VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
  ATTRIBUTE11             VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
  ATTRIBUTE12             VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
  ATTRIBUTE13             VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
  ATTRIBUTE14             VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
  ATTRIBUTE15             VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
  CREATED_BY              NUMBER          := OKL_API.G_MISS_NUM,
  CREATION_DATE           DATE            := OKL_API.G_MISS_DATE,

```

```
        LAST_UPDATED_BY          NUMBER          := OKL_API.G_MISS_NUM,
        LAST_UPDATE_DATE         DATE            := OKL_API.G_MISS_DATE,
        LAST_UPDATE_LOGIN        NUMBER          := OKL_API.G_MISS_NUM
    );
```

A.45 OKL_INR_PVT.INRV_REC_TYPE

```
TYPE OKL_INR_PVT.INRV_REC_TYPE IS RECORD (
    ID                                NUMBER          := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER            NUMBER          := OKL_API.G_MISS_NUM,
    IC_ID                            VARCHAR2(2)      := OKL_API.G_MISS_CHAR,
    IPT_ID                           NUMBER          := OKL_API.G_MISS_NUM,
    IAC_CODE                         VARCHAR2(30)     := OKL_API.G_MISS_CHAR,
    COVERAGE_MAX                     NUMBER          := OKL_API.G_MISS_NUM,
    DEDUCTIBLE                       NUMBER          := OKL_API.G_MISS_NUM,
    FACTOR_RANGE_START              NUMBER          := OKL_API.G_MISS_NUM,
    INSURED_RATE                     NUMBER          := OKL_API.G_MISS_NUM,
    FACTOR_RANGE_END                 NUMBER          := OKL_API.G_MISS_NUM,
    DATE_FROM                        DATE            := OKL_API.G_MISS_DATE,
    DATE_TO                          DATE            := OKL_API.G_MISS_DATE,
    INSURER_RATE                     NUMBER          := OKL_API.G_MISS_NUM,
    ATTRIBUTE_CATEGORY               VARCHAR2(90)     := OKL_API.G_MISS_CHAR,
    ATTRIBUTE1                       VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE2                       VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE3                       VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE4                       VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE5                       VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE6                       VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE7                       VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE8                       VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE9                       VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE10                      VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE11                      VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE12                      VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE13                      VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE14                      VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    ATTRIBUTE15                      VARCHAR2(450)    := OKL_API.G_MISS_CHAR,
    CREATED_BY                       NUMBER          := OKL_API.G_MISS_NUM,
    CREATION_DATE                    DATE            := OKL_API.G_MISS_DATE,
    LAST_UPDATED_BY                  NUMBER          := OKL_API.G_MISS_NUM,
    LAST_UPDATE_DATE                 DATE            := OKL_API.G_MISS_DATE,
    LAST_UPDATE_LOGIN                NUMBER          := OKL_API.G_MISS_NUM
);
```

A.46 OKL_INS_CLAIM_ASSET_PVT.STMID_REC_TYPE

```
TYPE OKL_INS_CLAIM_ASSET_PVT.STMID_REC_TYPE IS RECORD (  
    ID                                NUMBER                := OKL_API.G_MISS_NUM,  
    STATUS                           VARCHAR2(30)         := OKL_API.G_MISS_CHAR  
);
```

A.47 OKL_INS_QUOTE_PVT.IASSET_REC_TYPE

```
TYPE OKL_INS_QUOTE_PVT.IASSET_REC_TYPE IS RECORD (  
    KLE_ID                           NUMBER                := OKL_API.G_MISS_NUM,  
    PREMIUM                          NUMBER                := OKL_API.G_MISS_NUM,  
    LESSOR_PREMIUM                   NUMBER                := OKL_API.G_MISS_NUM  
);
```

A.48 OKL_INV_FORMAT_DELETE_PVT.INF_DEL_REC_TYPE

```
TYPE OKL_INV_FORMAT_DELETE_PVT.INF_DEL_REC_TYPE IS RECORD (  
    ID                                NUMBER                := OKL_API.G_MISS_NUM,  
    ILT_ID                           NUMBER                := OKL_API.G_MISS_NUM,  
    NAME                             VARCHAR2(150)         := OKL_API.G_MISS_CHAR,  
    DESCRIPTION                       VARCHAR2(1995)        := OKL_API.G_MISS_CHAR,  
    CONTRACT_LEVEL_YN                VARCHAR2(3)           := OKL_API.G_MISS_CHAR,  
    START_DATE                       DATE                   := OKL_API.G_MISS_DATE,  
    END_DATE                         DATE                   := OKL_API.G_MISS_DATE  
);
```

A.49 OKL_INV_LINE_TYPE_DELETE_PVT.ILT_DEL_REC_TYPE

```
TYPE OKL_INV_LINE_TYPE_DELETE_PVT.ILT_DEL_REC_TYPE IS RECORD (  
    ID                                NUMBER                := OKL_API.G_MISS_NUM,  
    ITY_ID                           NUMBER                := OKL_API.G_MISS_NUM,  
    SEQUENCE_NUMBER                   NUMBER                := OKL_API.G_MISS_NUM,  
    NAME                             VARCHAR2(150)         := OKL_API.G_MISS_CHAR,  
    DESCRIPTION                       VARCHAR2(1995)        := OKL_API.G_MISS_CHAR  
);
```

A.50 OKL_INV_TYPE_DELETE_PVT.ITY_DEL_REC_TYPE

```
TYPE OKL_INV_TYPE_DELETE_PVT.ITY_DEL_REC_TYPE IS RECORD (  
    ID                                NUMBER                := OKL_API.G_MISS_NUM,  
    INF_ID                           NUMBER                := OKL_API.G_MISS_NUM,  
    NAME                             VARCHAR2 (150)        := OKL_API.G_MISS_CHAR,  
    DESCRIPTION                       VARCHAR2 (1995)       := OKL_API.G_MISS_CHAR,  
    GROUP_ASSET_YN                   VARCHAR2 (3)          := OKL_API.G_MISS_CHAR,  
    GROUP_BY_CONTRACT_YN             VARCHAR2 (3)          := OKL_API.G_MISS_CHAR  
);
```

A.51 OKL_IPT_PVT.IPTV_REC_TYPE

```
TYPE OKL_IPT_PVT.IPTV_REC_TYPE IS RECORD (  
    ID                                NUMBER                := OKL_API.G_MISS_NUM,  
    OBJECT_VERSION_NUMBER             NUMBER                := OKL_API.G_MISS_NUM,  
    SFWT_FLAG                         VARCHAR2 (3)          := OKL_API.G_MISS_CHAR,  
    ISU_ID                           NUMBER                := OKL_API.G_MISS_NUM,  
    IPD_ID                           NUMBER                := OKL_API.G_MISS_NUM,  
    POLICY_SYMBOL                     VARCHAR2 (10)         := OKL_API.G_MISS_CHAR,  
    IPT_TYPE                         VARCHAR2 (30)          := OKL_API.G_MISS_CHAR,  
    NAME                             VARCHAR2 (256)        := OKL_API.G_MISS_CHAR,  
    FACTOR_MAX                        NUMBER                := OKL_API.G_MISS_NUM,  
    DATE_FROM                        DATE                  := OKL_API.G_MISS_DATE,  
    FACTOR_MIN                        NUMBER                := OKL_API.G_MISS_NUM,  
    DATE_TO                          DATE                  := OKL_API.G_MISS_DATE,  
    FACTOR_NAME                      VARCHAR2 (20)         := OKL_API.G_MISS_CHAR,  
    COVERAGE_MIN                    NUMBER                := OKL_API.G_MISS_NUM,  
    COVERAGE_MAX                    NUMBER                := OKL_API.G_MISS_NUM,  
    DEAL_MONTHS_MIN                  NUMBER                := OKL_API.G_MISS_NUM,  
    DEAL_MONTHS_MAX                  NUMBER                := OKL_API.G_MISS_NUM,  
    ATTRIBUTE_CATEGORY               VARCHAR2 (90)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE1                       VARCHAR2 (450)        := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE2                       VARCHAR2 (450)        := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE3                       VARCHAR2 (450)        := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE4                       VARCHAR2 (450)        := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE5                       VARCHAR2 (450)        := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE6                       VARCHAR2 (450)        := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE7                       VARCHAR2 (450)        := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE8                       VARCHAR2 (450)        := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE9                       VARCHAR2 (450)        := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE10                     VARCHAR2 (450)        := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE11                     VARCHAR2 (450)        := OKL_API.G_MISS_CHAR,
```



```

ATTRIBUTE12          VARCHAR2(450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE13          VARCHAR2(450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE14          VARCHAR2(450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE15          VARCHAR2(450)      := OKL_API.G_MISS_CHAR,
CREATED_BY           NUMBER              := OKL_API.G_MISS_NUM,
CREATION_DATE        DATE                := OKL_API.G_MISS_DATE,
LAST_UPDATED_BY      NUMBER              := OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE     DATE                := OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN    NUMBER              := OKL_API.G_MISS_NUM
);

```

A.52 OKL_IPY_PVT.IPVV_REC_TYPE

```

TYPE OKL_IPY_PVT.IPVV_REC_TYPE IS RECORD (
    ID                      NUMBER          := OKL_API.G_MISS_NUM,
    IPY_TYPE                VARCHAR2(30)    := OKL_API.G_MISS_CHAR,
    DESCRIPTION             VARCHAR2(240)   := OKL_API.G_MISS_CHAR,
    ENDORSEMENT             VARCHAR2(512)   := OKL_API.G_MISS_CHAR,
    SFWT_FLAG              VARCHAR2(240)    := OKL_API.G_MISS_CHAR,
    CANCELLATION_COMMENT   VARCHAR2(240)    := OKL_API.G_MISS_CHAR,
    COMMENTS               VARCHAR2(240)    := OKL_API.G_MISS_CHAR,
    NAME_OF_INSURED        VARCHAR2(256)    := OKL_API.G_MISS_CHAR,
    POLICY_NUMBER           VARCHAR2(20)     := OKL_API.G_MISS_CHAR,
    CALCULATED_PREMIUM     NUMBER           := OKL_API.G_MISS_NUM,
    PREMIUM                NUMBER           := OKL_API.G_MISS_NUM,
    COVERED_AMOUNT         NUMBER           := OKL_API.G_MISS_NUM,
    DEDUCTIBLE             NUMBER           := OKL_API.G_MISS_NUM,
    ADJUSTMENT             NUMBER           := OKL_API.G_MISS_NUM,
    PAYMENT_FREQUENCY      VARCHAR2(30)     := OKL_API.G_MISS_CHAR,
    CRX_CODE               VARCHAR2(30)     := OKL_API.G_MISS_CHAR,
    IPF_CODE               VARCHAR2(30)     := OKL_API.G_MISS_CHAR,
    ISS_CODE               VARCHAR2(30)     := OKL_API.G_MISS_CHAR,
    IPE_CODE               VARCHAR2(30)     := OKL_API.G_MISS_CHAR,
    DATE_TO                DATE             := OKL_API.G_MISS_DATE,
    DATE_FROM              DATE             := OKL_API.G_MISS_DATE,
    DATE_QUOTED            DATE             := OKL_API.G_MISS_DATE,
    DATE_PROOF_PROVIDED    DATE             := OKL_API.G_MISS_DATE,
    DATE_PROOF_REQUIRED    DATE             := OKL_API.G_MISS_DATE,
    CANCELLATION_DATE      DATE             := OKL_API.G_MISS_DATE,
    DATE_QUOTE_EXPIRY      DATE             := OKL_API.G_MISS_DATE,
    ACTIVATION_DATE        DATE             := OKL_API.G_MISS_DATE,
    QUOTE_YN               VARCHAR2(3)      := OKL_API.G_MISS_CHAR,
    ON_FILE_YN             VARCHAR2(3)      := OKL_API.G_MISS_CHAR,

```

PRIVATE_LABEL_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
AGENT_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
LESSOR_INSURED_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
LESSOR_PAYEE_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
KHR_ID	NUMBER	:= OKL_API.G_MISS_NUM,
KLE_ID	NUMBER	:= OKL_API.G_MISS_NUM,
IPT_ID	NUMBER	:= OKL_API.G_MISS_NUM,
IPY_ID	NUMBER	:= OKL_API.G_MISS_NUM,
INT_ID	NUMBER	:= OKL_API.G_MISS_NUM,
ISU_ID	NUMBER	:= OKL_API.G_MISS_NUM,
INSURANCE_FACTOR	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
FACTOR_VALUE	NUMBER	:= OKL_API.G_MISS_NUM,
AGENCY_NUMBER	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
AGENCY_SITE_ID	NUMBER	:= OKL_API.G_MISS_NUM,
SALES_REP_ID	NUMBER	:= OKL_API.G_MISS_NUM,
AGENT_SITE_ID	NUMBER	:= OKL_API.G_MISS_NUM,
ADJUSTED_BY_ID	NUMBER	:= OKL_API.G_MISS_NUM,
TERRITORY_CODE	VARCHAR2 (2)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE_CATEGORY	VARCHAR2 (90)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE1	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE2	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE3	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE4	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE5	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE6	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE7	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE8	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE9	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE10	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE11	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE12	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE13	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE14	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE15	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
PROGRAM_ID	NUMBER	:= OKL_API.G_MISS_NUM,
ORG_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
PROGRAM_APPLICATION_ID	NUMBER	:= OKL_API.G_MISS_NUM,
REQUEST_ID	NUMBER	:= OKL_API.G_MISS_NUM,
OBJECT_VERSION_NUMBER	NUMBER	:= OKL_API.G_MISS_NUM,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM

```
);
```

A.53 OKL_IRK_PVT.IRKV_REC_TYPE

```
TYPE OKL_IRK_PVT.IRKV_REC_TYPE IS RECORD (
    ID                                NUMBER                := OKL_API.G_MISS_NUM,
    RANKING_SEQ                      NUMBER                := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER            NUMBER                := OKL_API.G_MISS_NUM,
    DATE_FROM                        DATE                  := OKL_API.G_MISS_DATE,
    DATE_TO                          DATE                  := OKL_API.G_MISS_DATE,
    ISU_ID                           NUMBER                := OKL_API.G_MISS_NUM,
    IC_CODE                          VARCHAR2(2)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE_CATEGORY               VARCHAR2(240)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE1                       VARCHAR2(240)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE2                       VARCHAR2(240)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE3                       VARCHAR2(240)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE4                       VARCHAR2(240)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE5                       VARCHAR2(240)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE6                       VARCHAR2(240)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE7                       VARCHAR2(240)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE8                       VARCHAR2(240)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE9                       VARCHAR2(240)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE10                     VARCHAR2(240)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE11                     VARCHAR2(240)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE12                     VARCHAR2(240)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE13                     VARCHAR2(240)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE14                     VARCHAR2(240)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE15                     VARCHAR2(240)          := OKL_API.G_MISS_CHAR,
    CREATED_BY                       NUMBER                := OKL_API.G_MISS_NUM,
    CREATION_DATE                    DATE                  := OKL_API.G_MISS_DATE,
    LAST_UPDATED_BY                  NUMBER                := OKL_API.G_MISS_NUM,
    LAST_UPDATE_DATE                 DATE                  := OKL_API.G_MISS_DATE,
    LAST_UPDATE_LOGIN                NUMBER                := OKL_API.G_MISS_NUM
);
```

A.54 OKL_ITI_PVT.ITIV_REC_TYPE

```
TYPE OKL_ITI_PVT.ITIV_REC_TYPE IS RECORD (
    ID                                NUMBER                := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER            NUMBER                := OKL_API.G_MISS_NUM,
    TAS_ID                           NUMBER                := OKL_API.G_MISS_NUM,
    TAL_ID                           NUMBER                := OKL_API.G_MISS_NUM,
);
```

KLE_ID	NUMBER	:= OKL_API.G_MISS_NUM,
TAL_TYPE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
LINE_NUMBER	NUMBER	:= OKL_API.G_MISS_NUM,
INSTANCE_NUMBER_IB	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
OBJECT_ID1_NEW	VARCHAR2 (40)	:= OKL_API.G_MISS_CHAR,
OBJECT_ID2_NEW	VARCHAR2 (200)	:= OKL_API.G_MISS_CHAR,
JTOT_OBJECT_CODE_NEW	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
OBJECT_ID1_OLD	VARCHAR2 (40)	:= OKL_API.G_MISS_CHAR,
OBJECT_ID2_OLD	VARCHAR2 (200)	:= OKL_API.G_MISS_CHAR,
JTOT_OBJECT_CODE_OLD	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
INVENTORY_ORG_ID	NUMBER	:= OKL_API.G_MISS_NUM,
SERIAL_NUMBER	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
MFG_SERIAL_NUMBER_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
INVENTORY_ITEM_ID	NUMBER	:= OKL_API.G_MISS_NUM,
INV_MASTER_ORG_ID	NUMBER	:= OKL_API.G_MISS_NUM,
ATTRIBUTE_CATEGORY	VARCHAR2 (90)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE1	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE2	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE3	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE4	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE5	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE6	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE7	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE8	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE9	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE10	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE11	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE12	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE13	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE14	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE15	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM,
DNZ_CLE_ID	NUMBER	:= OKL_API.G_MISS_NUM

);

A.55 OKL_ITY_PVT.ITYV_REC_TYPE

```

TYPE OKL_ITY_PVT.ITYV_REC_TYPE IS RECORD (
    ID                                NUMBER                := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER            NUMBER                := OKL_API.G_MISS_NUM,
    SFWT_FLAG                        VARCHAR2(3)           := OKL_API.G_MISS_CHAR,
    INF_ID                           NUMBER                := OKL_API.G_MISS_NUM,
    NAME                             VARCHAR2(150)         := OKL_API.G_MISS_CHAR,
    DESCRIPTION                       VARCHAR2(1995)        := OKL_API.G_MISS_CHAR,
    GROUP_ASSET_YN                    VARCHAR2(3)           := OKL_API.G_MISS_CHAR,
    GROUP_BY_CONTRACT_YN              VARCHAR2(3)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE_CATEGORY                VARCHAR2(90)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE1                        VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE2                        VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE3                        VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE4                        VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE5                        VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE6                        VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE7                        VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE8                        VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE9                        VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE10                       VARCHAR2(450)        := OKL_API.G_MISS_CHAR,
    ATTRIBUTE11                       VARCHAR2(450)        := OKL_API.G_MISS_CHAR,
    ATTRIBUTE12                       VARCHAR2(450)        := OKL_API.G_MISS_CHAR,
    ATTRIBUTE13                       VARCHAR2(450)        := OKL_API.G_MISS_CHAR,
    ATTRIBUTE14                       VARCHAR2(450)        := OKL_API.G_MISS_CHAR,
    ATTRIBUTE15                       VARCHAR2(450)        := OKL_API.G_MISS_CHAR,
    CREATED_BY                        NUMBER                := OKL_API.G_MISS_NUM,
    CREATION_DATE                     DATE                 := OKL_API.G_MISS_DATE,
    LAST_UPDATED_BY                   NUMBER                := OKL_API.G_MISS_NUM,
    LAST_UPDATE_DATE                  DATE                 := OKL_API.G_MISS_DATE,
    LAST_UPDATE_LOGIN                 NUMBER                := OKL_API.G_MISS_NUM
);

```

A.56 OKL_IVE_PVT.IVEV_REC_TYPE

```

TYPE OKL_IVE_PVT.IVEV_REC_TYPE IS RECORD (
    ID                                NUMBER                := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER            NUMBER                := OKL_API.G_MISS_NUM,
    IDX_ID                           NUMBER                := OKL_API.G_MISS_NUM,
    VALUE                             NUMBER                := OKL_API.G_MISS_NUM,
    DATETIME_VALID                    DATE                 := OKL_API.G_MISS_DATE,
    DATETIME_INVALID                  DATE                 := OKL_API.G_MISS_DATE,

```

PROGRAM_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_APPLICATION_ID	NUMBER	:= OKL_API.G_MISS_NUM,
REQUEST_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM

);

A.57 OKL_KLE_PVT.KLEV_REC_TYPE

```
TYPE OKL_KLE_PVT.KLEV_REC_TYPE IS RECORD (
  ID                                NUMBER                                := OKL_API.G_MISS_NUM,
  OBJECT_VERSION_NUMBER            NUMBER                                := OKL_API.G_MISS_NUM,
  KLE_ID                           NUMBER                                := OKL_API.G_MISS_NUM,
  STY_ID                           NUMBER                                := OKL_API.G_MISS_NUM,
  PRC_CODE                         VARCHAR2(30)                       := OKL_API.G_MISS_CHAR,
  FCG_CODE                         VARCHAR2(30)                       := OKL_API.G_MISS_CHAR,
  NTY_CODE                         VARCHAR2(30)                       := OKL_API.G_MISS_CHAR,
  ESTIMATED_OEC                   NUMBER                                := OKL_API.G_MISS_NUM,
  LAO_AMOUNT                       NUMBER                                := OKL_API.G_MISS_NUM,
  TITLE_DATE                       DATE                                := OKL_API.G_MISS_DATE,
  FEE_CHARGE                       NUMBER                                := OKL_API.G_MISS_NUM,
  LRS_PERCENT                      NUMBER                                := OKL_API.G_MISS_NUM,
  INITIAL_DIRECT_COST              NUMBER                                := OKL_API.G_MISS_NUM,
  PERCENT_STAKE                    NUMBER                                := OKL_API.G_MISS_NUM,
  PERCENT                          NUMBER                                := OKL_API.G_MISS_NUM,
  EVERGREEN_PERCENT                NUMBER                                := OKL_API.G_MISS_NUM,
  AMOUNT_STAKE                     NUMBER                                := OKL_API.G_MISS_NUM,
  OCCUPANCY                        NUMBER                                := OKL_API.G_MISS_NUM,
  COVERAGE                         NUMBER                                := OKL_API.G_MISS_NUM,
  RESIDUAL_PERCENTAGE              NUMBER                                := OKL_API.G_MISS_NUM,
  DATE_LAST_INSPECTION             DATE                                := OKL_API.G_MISS_DATE,
  DATE_SOLD                        DATE                                := OKL_API.G_MISS_DATE,
  LRV_AMOUNT                       NUMBER                                := OKL_API.G_MISS_NUM,
  CAPITAL_REDUCTION                NUMBER                                := OKL_API.G_MISS_NUM,
  DATE_NEXT_INSPECTION_DUE         DATE                                := OKL_API.G_MISS_DATE,
  DATE_RESIDUAL_LAST_REVIEW        DATE                                := OKL_API.G_MISS_DATE,
  DATE_LAST_REAMORTISATION         DATE                                := OKL_API.G_MISS_DATE,
  VENDOR_ADVANCE_PAID              NUMBER                                := OKL_API.G_MISS_NUM,
  WEIGHTED_AVERAGE_LIFE           NUMBER                                := OKL_API.G_MISS_NUM,
```

TRADEIN_AMOUNT	NUMBER	:= OKL_API.G_MISS_NUM,
BOND_EQUIVALENT_YIELD	NUMBER	:= OKL_API.G_MISS_NUM,
TERMINATION_PURCHASE_AMOUNT	NUMBER	:= OKL_API.G_MISS_NUM,
REFINANCE_AMOUNT	NUMBER	:= OKL_API.G_MISS_NUM,
YEAR_BUILT	NUMBER	:= OKL_API.G_MISS_NUM,
DELIVERED_DATE	DATE	:= OKL_API.G_MISS_DATE,
CREDIT_TENANT_YN	VARCHAR2(3)	:= OKL_API.G_MISS_CHAR,
DATE_LAST_CLEANUP	DATE	:= OKL_API.G_MISS_DATE,
YEAR_OF_MANUFACTURE	VARCHAR2(240)	:= OKL_API.G_MISS_CHAR,
COVERAGE_RATIO	NUMBER	:= OKL_API.G_MISS_NUM,
REMARKETED_AMOUNT	NUMBER	:= OKL_API.G_MISS_NUM,
GROSS_SQUARE_FOOTAGE	NUMBER	:= OKL_API.G_MISS_NUM,
PRESCRIBED_ASSET_YN	VARCHAR2(3)	:= OKL_API.G_MISS_CHAR,
DATE_REMARKETED	DATE	:= OKL_API.G_MISS_DATE,
NET_RENTABLE	NUMBER	:= OKL_API.G_MISS_NUM,
REMARKET_MARGIN	NUMBER	:= OKL_API.G_MISS_NUM,
DATE_LETTER_ACCEPTANCE	DATE	:= OKL_API.G_MISS_DATE,
REPURCHASED_AMOUNT	NUMBER	:= OKL_API.G_MISS_NUM,
DATE_COMMITMENT_EXPIRATION	DATE	:= OKL_API.G_MISS_DATE,
DATE_REPURCHASED	DATE	:= OKL_API.G_MISS_DATE,
DATE_APPRAISAL	DATE	:= OKL_API.G_MISS_DATE,
RESIDUAL_VALUE	NUMBER	:= OKL_API.G_MISS_NUM,
APPRAISAL_VALUE	NUMBER	:= OKL_API.G_MISS_NUM,
SECURED_DEAL_YN	VARCHAR2(3)	:= OKL_API.G_MISS_CHAR,
GAIN_LOSS	NUMBER	:= OKL_API.G_MISS_NUM,
FLOOR_AMOUNT	NUMBER	:= OKL_API.G_MISS_NUM,
RE_LEASE_YN	VARCHAR2(3)	:= OKL_API.G_MISS_CHAR,
PREVIOUS_CONTRACT	VARCHAR2(40)	:= OKL_API.G_MISS_CHAR,
TRACKED_RESIDUAL	NUMBER	:= OKL_API.G_MISS_NUM,
DATE_TITLE_RECEIVED	DATE	:= OKL_API.G_MISS_DATE,
AMOUNT	NUMBER	:= OKL_API.G_MISS_NUM,
ATTRIBUTE_CATEGORY	VARCHAR2(90)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE1	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE2	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE3	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE4	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE5	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE6	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE7	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE8	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE9	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE10	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE11	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE12	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE13	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,

ATTRIBUTE14	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE15	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
STY_ID_FOR	NUMBER	:= OKL_API.G_MISS_NUM,
CLG_ID	NUMBER	:= OKL_API.G_MISS_NUM,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM,
DATE_FUNDING	DATE	:= OKL_API.G_MISS_DATE,
DATE_FUNDING_REQUIRED	DATE	:= OKL_API.G_MISS_DATE,
DATE_ACCEPTED	DATE	:= OKL_API.G_MISS_DATE,
DATE_DELIVERY_EXPECTED	DATE	:= OKL_API.G_MISS_DATE,
OEC	NUMBER	:= OKL_API.G_MISS_NUM,
CAPITAL_AMOUNT	NUMBER	:= OKL_API.G_MISS_NUM,
RESIDUAL_GRNTY_AMOUNT	NUMBER	:= OKL_API.G_MISS_NUM,
RESIDUAL_CODE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
RVI_PREMIUM	NUMBER	:= OKL_API.G_MISS_NUM,
CREDIT_NATURE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
CAPITALIZED_INTEREST	NUMBER	:= OKL_API.G_MISS_NUM,
CAPITAL_REDUCTION_PERCENT	NUMBER	:= OKL_API.G_MISS_NUM

);

A.58 OKL_LIKE_KIND_EXCHANGE_PVT.REP_ASSET_REC_TYPE

```
TYPE OKL_LIKE_KIND_EXCHANGE_PVT.REP_ASSET_REC_TYPE IS RECORD (  
    REP_ASSET_ID                NUMBER                := OKL_API.G_MISS_NUM,  
    REP_ASSET_NUMBER            VARCHAR2 (2000)        := OKL_API.G_MISS_CHAR,  
    BOOK_TYPE_CODE              VARCHAR2 (2000)        := OKL_API.G_MISS_CHAR,  
    ASSET_CATEGORY_ID           NUMBER                := OKL_API.G_MISS_NUM,  
    ORIGINAL_COST               NUMBER                := OKL_API.G_MISS_NUM,  
    CURRENT_COST                NUMBER                := OKL_API.G_MISS_NUM,  
    DATE_PLACED_IN_SERVICE      DATE                 := OKL_API.G_MISS_DATE,  
    DEPRN_METHOD                VARCHAR2 (2000)        := OKL_API.G_MISS_CHAR,  
    LIFE_IN_MONTHS              NUMBER                := OKL_API.G_MISS_NUM  
);
```

A.59 OKL_LIKE_KIND_EXCHANGE_PVT.REQ_ASSET_REC_TYPE

```
TYPE OKL_LIKE_KIND_EXCHANGE_PVT.REQ_ASSET_REC_TYPE IS RECORD (  
    REQ_ASSET_ID                NUMBER                := OKL_API.G_MISS_NUM,  
    REQ_ASSET_NUMBER            VARCHAR2 (2000)        := OKL_API.G_MISS_CHAR,
```



```

BOOK_TYPE_CODE          VARCHAR2(2000)      := OKL_API.G_MISS_CHAR,
ASSET_CATEGORY_ID       NUMBER              := OKL_API.G_MISS_NUM,
ORIGINAL_COST           NUMBER              := OKL_API.G_MISS_NUM,
DATE_RETIRED            DATE                := OKL_API.G_MISS_DATE,
PROCEEDS_OF_SALE        NUMBER              := OKL_API.G_MISS_NUM,
GAIN_LOSS_AMOUNT        NUMBER              := OKL_API.G_MISS_NUM,
BALANCE_SALE_PROCEEDS   NUMBER              := OKL_API.G_MISS_NUM,
BALANCE_GAIN_LOSS       NUMBER              := OKL_API.G_MISS_NUM,
MATCH_AMOUNT            NUMBER              := OKL_API.G_MISS_NUM
);

```

A.60 OKL_LOSS_PROV_PVT.GLPV_REC_TYPE

```

TYPE OKL_LOSS_PROV_PVT.GLPV_REC_TYPE IS RECORD (
    PRODUCT_ID          NUMBER              := OKL_API.G_MISS_NUM,
    STY_ID              NUMBER              := OKL_API.G_MISS_NUM,
    BUCKET_ID           NUMBER              := OKL_API.G_MISS_NUM,
    ENTRY_DATE          DATE                := OKL_API.G_MISS_DATE,
    TAX_Deductible_LOCAL VARCHAR2(3)        := OKL_API.G_MISS_CHAR,
    TAX_Deductible_CORPORATE VARCHAR2(3)    := OKL_API.G_MISS_CHAR,
    DESCRIPTION          VARCHAR2(1995)     := OKL_API.G_MISS_CHAR
);

```

A.61 OKL_LOSS_PROV_PVT.SLPV_REC_TYPE

```

TYPE OKL_LOSS_PROV_PVT.SLPV_REC_TYPE IS RECORD (
    KHR_ID              NUMBER              := OKL_API.G_MISS_NUM,
    STY_ID              NUMBER              := OKL_API.G_MISS_NUM,
    AMOUNT              NUMBER              := OKL_API.G_MISS_NUM,
    DESCRIPTION          VARCHAR2(1995)     := OKL_API.G_MISS_CHAR,
    REVERSE_FLAG        VARCHAR2(1)         := OKL_API.G_MISS_CHAR,
    TAX_Deductible_LOCAL VARCHAR2(3)        := OKL_API.G_MISS_CHAR,
    TAX_Deductible_CORPORATE VARCHAR2(3)    := OKL_API.G_MISS_CHAR
);

```

A.62 OKL_LPO_PVT.LPOV_REC_TYPE

```

TYPE OKL_LPO_PVT.LPOV_REC_TYPE IS RECORD (
    ID                  NUMBER              := OKL_API.G_MISS_NUM,
    ORG_ID              NUMBER              := OKL_API.G_MISS_NUM,

```

NAME	VARCHAR2 (1995)	:= OKL_API.G_MISS_CHAR,
DESCRIPTION	VARCHAR2 (1995)	:= OKL_API.G_MISS_CHAR,
ISE_ID	NUMBER	:= OKL_API.G_MISS_NUM,
TDF_ID	NUMBER	:= OKL_API.G_MISS_NUM,
IDX_ID	NUMBER	:= OKL_API.G_MISS_NUM,
LATE_POLICY_TYPE_CODE	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
OBJECT_VERSION_NUMBER	NUMBER	:= OKL_API.G_MISS_NUM,
LATE_CHRG_ALLOWED_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
LATE_CHRG_FIXED_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
LATE_CHRG_AMOUNT	NUMBER	:= OKL_API.G_MISS_NUM,
LATE_CHRG_RATE	NUMBER	:= OKL_API.G_MISS_NUM,
LATE_CHRG_GRACE_PERIOD	NUMBER	:= OKL_API.G_MISS_NUM,
LATE_CHRG_MINIMUM_BALANCE	NUMBER	:= OKL_API.G_MISS_NUM,
MINIMUM_LATE_CHARGE	NUMBER	:= OKL_API.G_MISS_NUM,
MAXIMUM_LATE_CHARGE	NUMBER	:= OKL_API.G_MISS_NUM,
LATE_INT_ALLOWED_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
LATE_INT_FIXED_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
LATE_INT_RATE	NUMBER	:= OKL_API.G_MISS_NUM,
ADDER_RATE	NUMBER	:= OKL_API.G_MISS_NUM,
LATE_INT_GRACE_PERIOD	NUMBER	:= OKL_API.G_MISS_NUM,
LATE_INT_MINIMUM_BALANCE	NUMBER	:= OKL_API.G_MISS_NUM,
MINIMUM_LATE_INTEREST	NUMBER	:= OKL_API.G_MISS_NUM,
MAXIMUM_LATE_INTEREST	NUMBER	:= OKL_API.G_MISS_NUM,
ATTRIBUTE_CATEGORY	VARCHAR2 (90)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE1	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE2	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE3	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE4	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE5	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE6	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE7	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE8	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE9	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE10	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE11	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE12	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE13	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE14	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE15	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM

);

A.63 OKL_LRF_PVT.LRFV_REC_TYPE

```

TYPE OKL_LRF_PVT.LRFV_REC_TYPE IS RECORD (
    ID                                NUMBER                := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER             NUMBER                := OKL_API.G_MISS_NUM,
    LRT_ID                            NUMBER                := OKL_API.G_MISS_NUM,
    TERM_IN_MONTHS                    NUMBER                := OKL_API.G_MISS_NUM,
    RESIDUAL_VALUE_PERCENT             NUMBER                := OKL_API.G_MISS_NUM,
    INTEREST_RATE                     NUMBER                := OKL_API.G_MISS_NUM,
    LEASE_RATE_FACTOR                 NUMBER                := OKL_API.G_MISS_NUM,
    CREATED_BY                        NUMBER                := OKL_API.G_MISS_NUM,
    CREATION_DATE                     DATE                  := OKL_API.G_MISS_DATE,
    LAST_UPDATED_BY                   NUMBER                := OKL_API.G_MISS_NUM,
    LAST_UPDATE_DATE                  DATE                  := OKL_API.G_MISS_DATE,
    LAST_UPDATE_LOGIN                 NUMBER                := OKL_API.G_MISS_NUM,
    ATTRIBUTE_CATEGORY                VARCHAR2(90)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE1                        VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE2                        VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE3                        VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE4                        VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE5                        VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE6                        VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE7                        VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE8                        VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE9                        VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE10                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE11                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE12                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE13                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE14                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE15                       VARCHAR2(450)         := OKL_API.G_MISS_CHAR
);

```

A.64 OKL_LRT_PVT.LRTV_REC_TYPE

```

TYPE OKL_LRT_PVT.LRTV_REC_TYPE IS RECORD (
    ID                                NUMBER                := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER             NUMBER                := OKL_API.G_MISS_NUM,
    SFWT_FLAG                         VARCHAR2(3)          := OKL_API.G_MISS_CHAR,
    TRY_ID                            NUMBER                := OKL_API.G_MISS_NUM,
    PDT_ID                            NUMBER                := OKL_API.G_MISS_NUM,

```

FRQ_CODE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
ARREARS_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
START_DATE	DATE	:= OKL_API.G_MISS_DATE,
END_DATE	DATE	:= OKL_API.G_MISS_DATE,
NAME	VARCHAR2 (150)	:= OKL_API.G_MISS_CHAR,
DESCRIPTION	VARCHAR2 (1995)	:= OKL_API.G_MISS_CHAR,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM,
ATTRIBUTE_CATEGORY	VARCHAR2 (90)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE1	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE2	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE3	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE4	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE5	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE6	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE7	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE8	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE9	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE10	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE11	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE12	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE13	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE14	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE15	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR

);

A.65 OKL_MASS_REBOOK_PVT.RBK_REC_TYPE

```
TYPE OKL_MASS_REBOOK_PVT.RBK_REC_TYPE IS RECORD (  
    KHR_ID                NUMBER                := OKL_API.G_MISS_NUM,  
    CONTRACT_NUMBER       VARCHAR2 (120)        := OKL_API.G_MISS_CHAR,  
    KLE_ID                NUMBER                := OKL_API.G_MISS_NUM,  
    DESCRIPTION            VARCHAR2 (600)        := OKL_API.G_MISS_CHAR  
);
```

A.66 OKL_MASS_REBOOK_PVT.STRM_LALEVL_REC_TYPE

```

TYPE OKL_MASS_REBOOK_PVT.STRM_LALEVL_REC_TYPE IS RECORD (
    CHR_ID                NUMBER                := OKL_API.G_MISS_NUM,
    CLE_ID                NUMBER                := OKL_API.G_MISS_NUM,
    RULE_INFORMATION1     VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    RULE_INFORMATION2     VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    RULE_INFORMATION3     VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    RULE_INFORMATION4     VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    RULE_INFORMATION5     VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    RULE_INFORMATION6     VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    RULE_INFORMATION7     VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    RULE_INFORMATION8     VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    RULE_INFORMATION9     VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    RULE_INFORMATION10    VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    RULE_INFORMATION11    VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    RULE_INFORMATION12    VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    RULE_INFORMATION13    VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    RULE_INFORMATION14    VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    RULE_INFORMATION15    VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    RULE_INFORMATION_CATEGORY VARCHAR2(90)      := OKL_API.G_MISS_CHAR,
    OBJECT1_ID1           VARCHAR2(40)          := OKL_API.G_MISS_CHAR,
    OBJECT1_ID2           VARCHAR2(200)         := OKL_API.G_MISS_CHAR,
    OBJECT2_ID1           VARCHAR2(40)          := OKL_API.G_MISS_CHAR,
    OBJECT2_ID2           VARCHAR2(200)         := OKL_API.G_MISS_CHAR,
    OBJECT3_ID1           VARCHAR2(40)          := OKL_API.G_MISS_CHAR,
    OBJECT3_ID2           VARCHAR2(200)         := OKL_API.G_MISS_CHAR,
    JTOT_OBJECT1_CODE     VARCHAR2(30)          := OKL_API.G_MISS_CHAR,
    JTOT_OBJECT2_CODE     VARCHAR2(30)          := OKL_API.G_MISS_CHAR,
    JTOT_OBJECT3_CODE     VARCHAR2(30)          := OKL_API.G_MISS_CHAR
);

```

A.67 OKL_MRB_PVT.MRBV_REC_TYPE

```

TYPE OKL_MRB_PVT.MRBV_REC_TYPE IS RECORD (
    ID                    NUMBER                := OKL_API.G_MISS_NUM,
    REQUEST_NAME          VARCHAR2(600)         := OKL_API.G_MISS_CHAR,
    LINE_NUMBER           NUMBER                := OKL_API.G_MISS_NUM,
    RBR_CODE              VARCHAR2(30)          := OKL_API.G_MISS_CHAR,
    CRITERIA_CODE         VARCHAR2(30)          := OKL_API.G_MISS_CHAR,
    OPERAND               VARCHAR2(10)          := OKL_API.G_MISS_CHAR,
    CRITERIA_VALUE1       VARCHAR2(600)         := OKL_API.G_MISS_CHAR,
    CRITERIA_VALUE2       VARCHAR2(600)         := OKL_API.G_MISS_CHAR,

```

SET_VALUE	VARCHAR2 (600)	:= OKL_API.G_MISS_CHAR,
DESCRIPTION	VARCHAR2 (1995)	:= OKL_API.G_MISS_CHAR,
TSU_CODE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE_CATEGORY	VARCHAR2 (90)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE1	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE2	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE3	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE4	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE5	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE6	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE7	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE8	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE9	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE10	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE11	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE12	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE13	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE14	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE15	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM

);

A.68 OKL_MST_PVT.MSTV_REC_TYPE

```
TYPE OKL_MST_PVT.MSTV_REC_TYPE IS RECORD (  
    ID NUMBER := OKL_API.G_MISS_NUM,  
    REQUEST_NAME VARCHAR2 (150) := OKL_API.G_MISS_CHAR,  
    KHR_ID NUMBER := OKL_API.G_MISS_NUM,  
    CONTRACT_NUMBER VARCHAR2 (120) := OKL_API.G_MISS_CHAR,  
    CONTRACT_DESCRIPTION VARCHAR2 (600) := OKL_API.G_MISS_CHAR,  
    KLE_ID NUMBER := OKL_API.G_MISS_NUM,  
    TRANSACTION_ID NUMBER := OKL_API.G_MISS_NUM,  
    SELECTED_FLAG VARCHAR2 (3) := OKL_API.G_MISS_CHAR,  
    STATUS VARCHAR2 (30) := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE_CATEGORY VARCHAR2 (90) := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE1 VARCHAR2 (450) := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE2 VARCHAR2 (450) := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE3 VARCHAR2 (450) := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE4 VARCHAR2 (450) := OKL_API.G_MISS_CHAR,  
);
```

```

ATTRIBUTE5                VARCHAR2 (450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE6                VARCHAR2 (450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE7                VARCHAR2 (450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE8                VARCHAR2 (450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE9                VARCHAR2 (450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE10               VARCHAR2 (450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE11               VARCHAR2 (450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE12               VARCHAR2 (450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE13               VARCHAR2 (450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE14               VARCHAR2 (450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE15               VARCHAR2 (450)      := OKL_API.G_MISS_CHAR,
CREATED_BY                NUMBER              := OKL_API.G_MISS_NUM,
CREATION_DATE             DATE                := OKL_API.G_MISS_DATE,
LAST_UPDATED_BY           NUMBER              := OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE          DATE                := OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN         NUMBER              := OKL_API.G_MISS_NUM
);

```

A.69 OKL_OIA_PVT.OIAV_REC_TYPE

```

TYPE OKL_OIA_PVT.OIAV_REC_TYPE IS RECORD (
    ID                NUMBER              := OKL_API.G_MISS_NUM,
    KHR_ID            NUMBER              := OKL_API.G_MISS_NUM,
    INSTANCE_NUMBER   VARCHAR2 (30)      := OKL_API.G_MISS_CHAR,
    ASSET_ID          NUMBER              := OKL_API.G_MISS_NUM,
    ASSET_NUMBER      VARCHAR2 (240)      := OKL_API.G_MISS_CHAR,
    DESCRIPTION       VARCHAR2 (240)      := OKL_API.G_MISS_CHAR,
    ASSET_TYPE        VARCHAR2 (240)      := OKL_API.G_MISS_CHAR,
    MANUFACTURER_NAME VARCHAR2 (240)      := OKL_API.G_MISS_CHAR,
    MODEL_NUMBER      VARCHAR2 (240)      := OKL_API.G_MISS_CHAR,
    SERIAL_NUMBER     VARCHAR2 (240)      := OKL_API.G_MISS_CHAR,
    TAG_NUMBER        VARCHAR2 (240)      := OKL_API.G_MISS_CHAR,
    ORIGINAL_COST     NUMBER              := OKL_API.G_MISS_NUM,
    QUANTITY          VARCHAR2 (240)      := OKL_API.G_MISS_CHAR,
    COUNTRY           VARCHAR2 (240)      := OKL_API.G_MISS_CHAR,
    ADDRESS1          VARCHAR2 (240)      := OKL_API.G_MISS_CHAR,
    ADDRESS2          VARCHAR2 (240)      := OKL_API.G_MISS_CHAR,
    ADDRESS3          VARCHAR2 (240)      := OKL_API.G_MISS_CHAR,
    ADDRESS4          VARCHAR2 (240)      := OKL_API.G_MISS_CHAR,
    CITY              VARCHAR2 (240)      := OKL_API.G_MISS_CHAR,
    POSTAL_CODE       VARCHAR2 (240)      := OKL_API.G_MISS_CHAR,
    STATE             VARCHAR2 (240)      := OKL_API.G_MISS_CHAR,
    PROVINCE          VARCHAR2 (240)      := OKL_API.G_MISS_CHAR,

```

COUNTY	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
PO_BOX_NUMBER	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
HOUSE_NUMBER	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
STREET_SUFFIX	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
APARTMENT_NUMBER	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
STREET	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
RURAL_ROUTE_NUMBER	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
STREET_NUMBER	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
BUILDING	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
FLOOR	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
SUITE	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ROOM	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
POSTAL_PLUS4_CODE	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
OBJECT_VERSION_NUMBER	NUMBER	:= OKL_API.G_MISS_NUM,
ORG_ID	NUMBER	:= OKL_API.G_MISS_NUM,
REQUEST_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_APPLICATION_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
ATTRIBUTE_CATEGORY	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE1	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE2	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE3	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE4	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE5	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE6	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE7	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE8	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE9	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE10	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE11	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE12	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE13	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE14	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE15	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM

);

A.70 OKL_OIN_PVT.OINV_REC_TYPE

```

TYPE OKL_OIN_PVT.OINV_REC_TYPE IS RECORD (
    ID                                NUMBER                := OKL_API.G_MISS_NUM,
    PARTY_ID                          NUMBER                := OKL_API.G_MISS_NUM,
    PARTY_NAME                        VARCHAR2(360)         := OKL_API.G_MISS_CHAR,
    PARTY_TYPE                        VARCHAR2(30)           := OKL_API.G_MISS_CHAR,
    DATE_OF_BIRTH                     DATE                 := OKL_API.G_MISS_DATE,
    PLACE_OF_BIRTH                    VARCHAR2(60)           := OKL_API.G_MISS_CHAR,
    PERSON_IDENTIFIER                  VARCHAR2(60)           := OKL_API.G_MISS_CHAR,
    PERSON_IDEN_TYPE                  VARCHAR2(30)           := OKL_API.G_MISS_CHAR,
    COUNTRY                           VARCHAR2(60)           := OKL_API.G_MISS_CHAR,
    ADDRESS1                          VARCHAR2(240)          := OKL_API.G_MISS_CHAR,
    ADDRESS2                          VARCHAR2(240)          := OKL_API.G_MISS_CHAR,
    ADDRESS3                          VARCHAR2(240)          := OKL_API.G_MISS_CHAR,
    ADDRESS4                          VARCHAR2(240)          := OKL_API.G_MISS_CHAR,
    CITY                              VARCHAR2(60)           := OKL_API.G_MISS_CHAR,
    POSTAL_CODE                       VARCHAR2(60)           := OKL_API.G_MISS_CHAR,
    STATE                             VARCHAR2(60)           := OKL_API.G_MISS_CHAR,
    PROVINCE                          VARCHAR2(60)           := OKL_API.G_MISS_CHAR,
    COUNTY                            VARCHAR2(60)           := OKL_API.G_MISS_CHAR,
    PO_BOX_NUMBER                     VARCHAR2(50)           := OKL_API.G_MISS_CHAR,
    HOUSE_NUMBER                      VARCHAR2(50)           := OKL_API.G_MISS_CHAR,
    STREET_SUFFIX                     VARCHAR2(50)           := OKL_API.G_MISS_CHAR,
    APARTMENT_NUMBER                  VARCHAR2(50)           := OKL_API.G_MISS_CHAR,
    STREET                            VARCHAR2(50)           := OKL_API.G_MISS_CHAR,
    RURAL_ROUTE_NUMBER                VARCHAR2(50)           := OKL_API.G_MISS_CHAR,
    STREET_NUMBER                     VARCHAR2(50)           := OKL_API.G_MISS_CHAR,
    BUILDING                          VARCHAR2(50)           := OKL_API.G_MISS_CHAR,
    FLOOR                             VARCHAR2(50)           := OKL_API.G_MISS_CHAR,
    SUITE                             VARCHAR2(50)           := OKL_API.G_MISS_CHAR,
    ROOM                              VARCHAR2(50)           := OKL_API.G_MISS_CHAR,
    POSTAL_PLUS4_CODE                 VARCHAR2(50)           := OKL_API.G_MISS_CHAR,
    CAS_ID                            NUMBER                := OKL_API.G_MISS_NUM,
    CASE_NUMBER                       VARCHAR2(240)          := OKL_API.G_MISS_CHAR,
    KHR_ID                            NUMBER                := OKL_API.G_MISS_NUM,
    CONTRACT_NUMBER                   VARCHAR2(120)          := OKL_API.G_MISS_CHAR,
    CONTRACT_TYPE                     VARCHAR2(30)           := OKL_API.G_MISS_CHAR,
    CONTRACT_STATUS                   VARCHAR2(30)           := OKL_API.G_MISS_CHAR,
    ORIGINAL_AMOUNT                   NUMBER                := OKL_API.G_MISS_NUM,
    START_DATE                        DATE                   := OKL_API.G_MISS_DATE,
    CLOSE_DATE                        DATE                   := OKL_API.G_MISS_DATE,
    TERM_DURATION                     NUMBER                := OKL_API.G_MISS_NUM,
    MONTHLY_PAYMENT_AMOUNT            NUMBER                := OKL_API.G_MISS_NUM,
    LAST_PAYMENT_DATE                 DATE                   := OKL_API.G_MISS_DATE,

```

DELINQUENCY_OCCURANCE_DATE	DATE	:= OKL_API.G_MISS_DATE,
PAST_DUE_AMOUNT	NUMBER	:= OKL_API.G_MISS_NUM,
REMAINING_AMOUNT	NUMBER	:= OKL_API.G_MISS_NUM,
CREDIT_INDICATOR	VARCHAR2(30)	:= OKL_API.G_MISS_CHAR,
NOTIFICATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
CREDIT_BUREAU_REPORT_DATE	DATE	:= OKL_API.G_MISS_DATE,
EXTERNAL_AGENCY_TRANSFER_DATE	DATE	:= OKL_API.G_MISS_DATE,
EXTERNAL_AGENCY_RECALL_DATE	DATE	:= OKL_API.G_MISS_DATE,
REFERRAL_NUMBER	NUMBER	:= OKL_API.G_MISS_NUM,
CONTACT_ID	NUMBER	:= OKL_API.G_MISS_NUM,
CONTACT_NAME	VARCHAR2(360)	:= OKL_API.G_MISS_CHAR,
CONTACT_PHONE	VARCHAR2(2000)	:= OKL_API.G_MISS_CHAR,
CONTACT_EMAIL	VARCHAR2(2000)	:= OKL_API.G_MISS_CHAR,
OBJECT_VERSION_NUMBER	NUMBER	:= OKL_API.G_MISS_NUM,
ORG_ID	NUMBER	:= OKL_API.G_MISS_NUM,
REQUEST_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_APPLICATION_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
ATTRIBUTE_CATEGORY	VARCHAR2(90)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE1	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE2	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE3	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE4	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE5	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE6	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE7	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE8	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE9	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE10	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE11	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE12	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE13	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE14	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE15	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM

);

A.71 OKL_OIP_PVT.OIPV_REC_TYPE

```

TYPE OKL_OIP_PVT.OIPV_REC_TYPE IS RECORD (
    ID                                NUMBER                := OKL_API.G_MISS_NUM,
    KHR_ID                            NUMBER                := OKL_API.G_MISS_NUM,
    PARTY_ID                          NUMBER                := OKL_API.G_MISS_NUM,
    PARTY_NAME                        VARCHAR2(360)         := OKL_API.G_MISS_CHAR,
    COUNTRY                           VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    ADDRESS1                          VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    ADDRESS2                          VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    ADDRESS3                          VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    ADDRESS4                          VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    CITY                              VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    POSTAL_CODE                       VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    STATE                             VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    PROVINCE                          VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    COUNTY                            VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    PO_BOX_NUMBER                     VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    HOUSE_NUMBER                      VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    STREET_SUFFIX                     VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    APARTMENT_NUMBER                  VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    STREET                            VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    RURAL_ROUTE_NUMBER                VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    STREET_NUMBER                     VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    BUILDING                          VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    FLOOR                             VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    SUITE                             VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    ROOM                              VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    POSTAL_PLUS4_CODE                 VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    PHONE_COUNTRY_CODE                 VARCHAR2(10)          := OKL_API.G_MISS_CHAR,
    PHONE_AREA_CODE                   VARCHAR2(10)          := OKL_API.G_MISS_CHAR,
    PHONE_NUMBER                       VARCHAR2(40)          := OKL_API.G_MISS_CHAR,
    PHONE_EXTENSION                    VARCHAR2(20)          := OKL_API.G_MISS_CHAR,
    OBJECT_VERSION_NUMBER              NUMBER                := OKL_API.G_MISS_NUM,
    ORG_ID                            NUMBER                := OKL_API.G_MISS_NUM,
    REQUEST_ID                         NUMBER                := OKL_API.G_MISS_NUM,
    PROGRAM_APPLICATION_ID              NUMBER                := OKL_API.G_MISS_NUM,
    PROGRAM_ID                         NUMBER                := OKL_API.G_MISS_NUM,
    PROGRAM_UPDATE_DATE                DATE                  := OKL_API.G_MISS_DATE,
    ATTRIBUTE_CATEGORY                 VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE1                         VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE2                         VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE3                         VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE4                         VARCHAR2(240)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE5                         VARCHAR2(240)         := OKL_API.G_MISS_CHAR,

```

ATTRIBUTE6	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE7	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE8	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE9	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE10	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE11	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE12	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE13	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE14	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE15	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM

);

A.72 OKL_OKC_MIGRATION_PVT.CIMV_REC_TYPE

```
TYPE OKL_OKC_MIGRATION_PVT.CIMV_REC_TYPE IS RECORD (  
    ID                                NUMBER                := OKL_API.G_MISS_NUM,  
    OBJECT_VERSION_NUMBER            NUMBER                := OKL_API.G_MISS_NUM,  
    CLE_ID                           NUMBER                := OKL_API.G_MISS_NUM,  
    CHR_ID                           NUMBER                := OKL_API.G_MISS_NUM,  
    CLE_ID_FOR                       NUMBER                := OKL_API.G_MISS_NUM,  
    DNZ_CHR_ID                      NUMBER                := OKL_API.G_MISS_NUM,  
    OBJECT1_ID1                     VARCHAR2 (40)         := OKL_API.G_MISS_CHAR,  
    OBJECT1_ID2                     VARCHAR2 (200)        := OKL_API.G_MISS_CHAR,  
    JTOT_OBJECT1_CODE               VARCHAR2 (30)         := OKL_API.G_MISS_CHAR,  
    UOM_CODE                        VARCHAR2 (3)          := OKL_API.G_MISS_CHAR,  
    EXCEPTION_YN                    VARCHAR2 (3)         := OKL_API.G_MISS_CHAR,  
    NUMBER_OF_ITEMS                 NUMBER                := OKL_API.G_MISS_NUM,  
    UPG_ORIG_SYSTEM_REF             VARCHAR2 (60)         := OKL_API.G_MISS_CHAR,  
    UPG_ORIG_SYSTEM_REF_ID          NUMBER                := OKL_API.G_MISS_NUM,  
    PRICED_ITEM_YN                  VARCHAR2 (3)         := OKL_API.G_MISS_CHAR,  
    CREATED_BY                      NUMBER                := OKL_API.G_MISS_NUM,  
    CREATION_DATE                   DATE                  := OKL_API.G_MISS_DATE,  
    LAST_UPDATED_BY                 NUMBER                := OKL_API.G_MISS_NUM,  
    LAST_UPDATE_DATE                DATE                  := OKL_API.G_MISS_DATE,  
    LAST_UPDATE_LOGIN               NUMBER                := OKL_API.G_MISS_NUM  
);
```

A.73 OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE

```

TYPE OKL_OKC_MIGRATION_PVT.CLEV_REC_TYPE IS RECORD (
    ID                                NUMBER                := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER             NUMBER                := OKL_API.G_MISS_NUM,
    SFWT_FLAG                         VARCHAR2(3)           := OKL_API.G_MISS_CHAR,
    CHR_ID                           NUMBER                := OKL_API.G_MISS_NUM,
    CLE_ID                           NUMBER                := OKL_API.G_MISS_NUM,
    CLE_ID_RENEWED                   NUMBER                := OKL_API.G_MISS_NUM,
    CLE_ID_RENEWED_TO                 NUMBER                := OKL_API.G_MISS_NUM,
    LSE_ID                           NUMBER                := OKL_API.G_MISS_NUM,
    LINE_NUMBER                      VARCHAR2(150)          := OKL_API.G_MISS_CHAR,
    STS_CODE                         VARCHAR2(30)           := OKL_API.G_MISS_CHAR,
    DISPLAY_SEQUENCE                 NUMBER                := OKL_API.G_MISS_NUM,
    TRN_CODE                        VARCHAR2(30)           := OKL_API.G_MISS_CHAR,
    DNZ_CHR_ID                      NUMBER                := OKL_API.G_MISS_NUM,
    COMMENTS                        VARCHAR2(1995)          := OKL_API.G_MISS_CHAR,
    ITEM_DESCRIPTION                 VARCHAR2(1995)          := OKL_API.G_MISS_CHAR,
    OKE_BOE_DESCRIPTION              VARCHAR2(1995)          := OKL_API.G_MISS_CHAR,
    COGNOMEN                        VARCHAR2(300)           := OKL_API.G_MISS_CHAR,
    HIDDEN_IND                      VARCHAR2(3)            := OKL_API.G_MISS_CHAR,
    PRICE_UNIT                      NUMBER                := OKL_API.G_MISS_NUM,
    PRICE_UNIT_PERCENT               NUMBER                := OKL_API.G_MISS_NUM,
    PRICE_NEGOTIATED                NUMBER                := OKL_API.G_MISS_NUM,
    PRICE_NEGOTIATED_RENEWED        NUMBER                := OKL_API.G_MISS_NUM,
    PRICE_LEVEL_IND                 VARCHAR2(3)            := OKL_API.G_MISS_CHAR,
    INVOICE_LINE_LEVEL_IND          VARCHAR2(3)            := OKL_API.G_MISS_CHAR,
    DPAS_RATING                     VARCHAR2(24)           := OKL_API.G_MISS_CHAR,
    BLOCK23TEXT                     VARCHAR2(1995)          := OKL_API.G_MISS_CHAR,
    EXCEPTION_YN                    VARCHAR2(3)            := OKL_API.G_MISS_CHAR,
    TEMPLATE_USED                   VARCHAR2(150)          := OKL_API.G_MISS_CHAR,
    DATE_TERMINATED                 DATE                  := OKL_API.G_MISS_DATE,
    NAME                           VARCHAR2(150)          := OKL_API.G_MISS_CHAR,
    START_DATE                      DATE                  := OKL_API.G_MISS_DATE,
    END_DATE                       DATE                  := OKL_API.G_MISS_DATE,
    DATE_RENEWED                   DATE                  := OKL_API.G_MISS_DATE,
    UPG_ORIG_SYSTEM_REF             VARCHAR2(60)           := OKL_API.G_MISS_CHAR,
    UPG_ORIG_SYSTEM_REF_ID          NUMBER                := OKL_API.G_MISS_NUM,
    ORIG_SYSTEM_SOURCE_CODE         VARCHAR2(30)           := OKL_API.G_MISS_CHAR,
    ORIG_SYSTEM_ID1                 NUMBER                := OKL_API.G_MISS_NUM,
    ORIG_SYSTEM_REFERENCE1          VARCHAR2(30)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE_CATEGORY              VARCHAR2(90)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE1                     VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE2                     VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE3                     VARCHAR2(450)           := OKL_API.G_MISS_CHAR,

```

ATTRIBUTE4	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE5	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE6	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE7	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE8	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE9	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE10	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE11	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE12	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE13	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE14	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE15	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
PRICE_TYPE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
CURRENCY_CODE	VARCHAR2 (15)	:= OKL_API.G_MISS_CHAR,
CURRENCY_CODE_RENEWED	VARCHAR2 (15)	:= OKL_API.G_MISS_CHAR,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM,
OLD_STS_CODE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
NEW_STS_CODE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
OLD_STE_CODE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
NEW_STE_CODE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
CALL_ACTION_ASMBLR	VARCHAR2 (1)	:= OKL_API.G_MISS_CHAR,
REQUEST_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_APPLICATION_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
PRICE_LIST_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PRICING_DATE	DATE	:= OKL_API.G_MISS_DATE,
PRICE_LIST_LINE_ID	NUMBER	:= OKL_API.G_MISS_NUM,
LINE_LIST_PRICE	NUMBER	:= OKL_API.G_MISS_NUM,
ITEM_TO_PRICE_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
PRICE_BASIS_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
CONFIG_HEADER_ID	NUMBER	:= OKL_API.G_MISS_NUM,
CONFIG_REVISION_NUMBER	NUMBER	:= OKL_API.G_MISS_NUM,
CONFIG_COMPLETE_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
CONFIG_VALID_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
CONFIG_TOP_MODEL_LINE_ID	NUMBER	:= OKL_API.G_MISS_NUM,
CONFIG_ITEM_TYPE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
CONFIG_ITEM_ID	NUMBER	:= OKL_API.G_MISS_NUM

);

A.74 OKL_OKC_MIGRATION_PVT.CPLV_REC_TYPE

```

TYPE OKL_OKC_MIGRATION_PVT.CPLV_REC_TYPE IS RECORD (
    ID                                NUMBER                := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER             NUMBER                := OKL_API.G_MISS_NUM,
    SFWT_FLAG                         VARCHAR2(3)           := OKL_API.G_MISS_CHAR,
    CPL_ID                           NUMBER                := OKL_API.G_MISS_NUM,
    CHR_ID                           NUMBER                := OKL_API.G_MISS_NUM,
    CLE_ID                           NUMBER                := OKL_API.G_MISS_NUM,
    RLE_CODE                         VARCHAR2(30)           := OKL_API.G_MISS_CHAR,
    DNZ_CHR_ID                       NUMBER                := OKL_API.G_MISS_NUM,
    OBJECT1_ID1                      VARCHAR2(40)           := OKL_API.G_MISS_CHAR,
    OBJECT1_ID2                      VARCHAR2(200)           := OKL_API.G_MISS_CHAR,
    JTOT_OBJECT1_CODE                VARCHAR2(30)           := OKL_API.G_MISS_CHAR,
    COGNOMEN                         VARCHAR2(300)           := OKL_API.G_MISS_CHAR,
    CODE                             VARCHAR2(30)           := OKL_API.G_MISS_CHAR,
    FACILITY                         VARCHAR2(30)           := OKL_API.G_MISS_CHAR,
    MINORITY_GROUP_LOOKUP_CODE       VARCHAR2(75)           := OKL_API.G_MISS_CHAR,
    SMALL_BUSINESS_FLAG              VARCHAR2(3)           := OKL_API.G_MISS_CHAR,
    WOMEN_OWNED_FLAG                VARCHAR2(3)           := OKL_API.G_MISS_CHAR,
    ALIAS                           VARCHAR2(150)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE_CATEGORY               VARCHAR2(90)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE1                      VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE2                      VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE3                      VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE4                      VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE5                      VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE6                      VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE7                      VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE8                      VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE9                      VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE10                    VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE11                    VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE12                    VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE13                    VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE14                    VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE15                    VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    CREATED_BY                      NUMBER                := OKL_API.G_MISS_NUM,
    CREATION_DATE                   DATE                  := OKL_API.G_MISS_DATE,
    LAST_UPDATED_BY                 NUMBER                := OKL_API.G_MISS_NUM,
    LAST_UPDATE_DATE                DATE                  := OKL_API.G_MISS_DATE,
    LAST_UPDATE_LOGIN               NUMBER                := OKL_API.G_MISS_NUM
);

```

A.75 OKL_OKC_MIGRATION_PVT.CVMV_REC_TYPE

```
TYPE OKL_OKC_MIGRATION_PVT.CVMV_REC_TYPE IS RECORD (  
    CHR_ID                                NUMBER                := OKL_API.G_MISS_NUM,  
    OBJECT_VERSION_NUMBER                 NUMBER                := OKL_API.G_MISS_NUM,  
    MAJOR_VERSION                         NUMBER                := OKL_API.G_MISS_NUM,  
    MINOR_VERSION                         NUMBER                := OKL_API.G_MISS_NUM,  
    CREATED_BY                            NUMBER                := OKL_API.G_MISS_NUM,  
    CREATION_DATE                         DATE                  := OKL_API.G_MISS_DATE,  
    LAST_UPDATED_BY                       NUMBER                := OKL_API.G_MISS_NUM,  
    LAST_UPDATE_DATE                      DATE                  := OKL_API.G_MISS_DATE,  
    LAST_UPDATE_LOGIN                     NUMBER                := OKL_API.G_MISS_NUM  
);
```

A.76 OKL_OKC_MIGRATION_PVT.RGPV_REC_TYPE

```
TYPE OKL_OKC_MIGRATION_PVT.RGPV_REC_TYPE IS RECORD (  
    ID                                    NUMBER                := OKL_API.G_MISS_NUM,  
    OBJECT_VERSION_NUMBER                 NUMBER                := OKL_API.G_MISS_NUM,  
    SFWT_FLAG                             VARCHAR2(3)         := OKL_API.G_MISS_CHAR,  
    RGD_CODE                             VARCHAR2(30)          := OKL_API.G_MISS_CHAR,  
    SAT_CODE                             VARCHAR2(30)          := OKL_API.G_MISS_CHAR,  
    RGP_TYPE                             VARCHAR2(10)          := OKL_API.G_MISS_CHAR,  
    CLE_ID                                NUMBER                := OKL_API.G_MISS_NUM,  
    CHR_ID                                NUMBER                := OKL_API.G_MISS_NUM,  
    DNZ_CHR_ID                           NUMBER                := OKL_API.G_MISS_NUM,  
    PARENT_RGP_ID                         NUMBER                := OKL_API.G_MISS_NUM,  
    COMMENTS                             VARCHAR2(1995)        := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE_CATEGORY                    VARCHAR2(90)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE1                            VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE2                            VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE3                            VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE4                            VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE5                            VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE6                            VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE7                            VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE8                            VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE9                            VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE10                           VARCHAR2(450)        := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE11                           VARCHAR2(450)        := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE12                           VARCHAR2(450)        := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE13                           VARCHAR2(450)        := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE14                           VARCHAR2(450)        := OKL_API.G_MISS_CHAR,
```



```

ATTRIBUTE15                VARCHAR2(450)      := OKL_API.G_MISS_CHAR,
CREATED_BY                  NUMBER              := OKL_API.G_MISS_NUM,
CREATION_DATE               DATE               := OKL_API.G_MISS_DATE,
LAST_UPDATED_BY             NUMBER              := OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE            DATE               := OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN           NUMBER              := OKL_API.G_MISS_NUM
);

```

A.77 OKL_OPD_PVT.OPDV_REC_TYPE

```

TYPE OKL_OPD_PVT.OPDV_REC_TYPE IS RECORD (
    ID                NUMBER              := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER NUMBER          := OKL_API.G_MISS_NUM,
    SFWT_FLAG         VARCHAR2(3)        := OKL_API.G_MISS_CHAR,
    FMA_ID            NUMBER              := OKL_API.G_MISS_NUM,
    DSF_ID            NUMBER              := OKL_API.G_MISS_NUM,
    NAME              VARCHAR2(150)       := OKL_API.G_MISS_CHAR,
    DESCRIPTION        VARCHAR2(1995)     := OKL_API.G_MISS_CHAR,
    VERSION            VARCHAR2(24)       := OKL_API.G_MISS_CHAR,
    START_DATE         DATE               := OKL_API.G_MISS_DATE,
    END_DATE           DATE               := OKL_API.G_MISS_DATE,
    SOURCE             VARCHAR2(150)      := OKL_API.G_MISS_CHAR,
    OPD_TYPE           VARCHAR2(30)       := OKL_API.G_MISS_CHAR,
    ORG_ID             NUMBER              := OKL_API.G_MISS_NUM,
    CREATED_BY         NUMBER              := OKL_API.G_MISS_NUM,
    CREATION_DATE      DATE               := OKL_API.G_MISS_DATE,
    LAST_UPDATED_BY    NUMBER              := OKL_API.G_MISS_NUM,
    LAST_UPDATE_DATE   DATE               := OKL_API.G_MISS_DATE,
    LAST_UPDATE_LOGIN   NUMBER              := OKL_API.G_MISS_NUM
);

```

A.78 OKL_OPT_PVT.OPTV_REC_TYPE

```

TYPE OKL_OPT_PVT.OPTV_REC_TYPE IS RECORD (
    ID                NUMBER              := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER NUMBER          := OKL_API.G_MISS_NUM,
    NAME              VARCHAR2(150)       := OKL_API.G_MISS_CHAR,
    DESCRIPTION        VARCHAR2(1995)     := OKL_API.G_MISS_CHAR,
    FROM_DATE          DATE               := OKL_API.G_MISS_DATE,
    TO_DATE            DATE               := OKL_API.G_MISS_DATE,
    ATTRIBUTE_CATEGORY VARCHAR2(90)       := OKL_API.G_MISS_CHAR,
    ATTRIBUTE1         VARCHAR2(450)      := OKL_API.G_MISS_CHAR,

```

ATTRIBUTE2	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE3	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE4	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE5	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE6	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE7	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE8	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE9	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE10	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE11	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE12	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE13	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE14	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE15	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM

);

A.79 OKL_OVE_PVT.OVEV_REC_TYPE

```
TYPE OKL_OVE_PVT.OVEV_REC_TYPE IS RECORD (  
    ID                                NUMBER                := OKL_API.G_MISS_NUM,  
    OBJECT_VERSION_NUMBER            NUMBER                := OKL_API.G_MISS_NUM,  
    OPT_ID                           NUMBER                := OKL_API.G_MISS_NUM,  
    VALUE                            VARCHAR2 (150)        := OKL_API.G_MISS_CHAR,  
    DESCRIPTION                       VARCHAR2 (1995)      := OKL_API.G_MISS_CHAR,  
    FROM_DATE                        DATE                   := OKL_API.G_MISS_DATE,  
    TO_DATE                          DATE                   := OKL_API.G_MISS_DATE,  
    CREATED_BY                       NUMBER                := OKL_API.G_MISS_NUM,  
    CREATION_DATE                    DATE                   := OKL_API.G_MISS_DATE,  
    LAST_UPDATED_BY                  NUMBER                := OKL_API.G_MISS_NUM,  
    LAST_UPDATE_DATE                 DATE                   := OKL_API.G_MISS_DATE,  
    LAST_UPDATE_LOGIN                NUMBER                := OKL_API.G_MISS_NUM  
);
```

A.80 OKL_PAY_INVOICES_MAN_PVT.MAN_INV_REC_TYPE

```

TYPE OKL_PAY_INVOICES_MAN_PVT.MAN_INV_REC_TYPE IS RECORD (
    IPVS_ID                NUMBER                := OKL_API.G_MISS_NUM,
    KHR_ID                 NUMBER                := OKL_API.G_MISS_NUM,
    CURRENCY               VARCHAR2(15)         := OKL_API.G_MISS_CHAR,
    PAYMENT_METHOD_CODE    VARCHAR2(30)         := OKL_API.G_MISS_CHAR,
    INVOICE_DATE           DATE                 := OKL_API.G_MISS_DATE,
    PAY_TERMS              NUMBER               := OKL_API.G_MISS_NUM,
    INVOICE_NUMBER         VARCHAR2(50)         := OKL_API.G_MISS_CHAR,
    INVOICE_CATEGORY_CODE  VARCHAR2(30)         := OKL_API.G_MISS_CHAR,
    INVOICE_TYPE           VARCHAR2(240)        := OKL_API.G_MISS_CHAR,
    AMOUNT                 NUMBER               := OKL_API.G_MISS_NUM,
    STY_ID                 NUMBER               := OKL_API.G_MISS_NUM,
    PAY_GROUP_LOOKUP_CODE  VARCHAR2(30)         := OKL_API.G_MISS_CHAR,
    VENDOR_INVOICE_NUMBER  VARCHAR2(240)        := OKL_API.G_MISS_CHAR
);

```

A.81 OKL_PDT_PVT.PDTV_REC_TYPE

```

TYPE OKL_PDT_PVT.PDTV_REC_TYPE IS RECORD (
    ID                    NUMBER                := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER NUMBER                := OKL_API.G_MISS_NUM,
    AES_ID               NUMBER                := OKL_API.G_MISS_NUM,
    PTL_ID              NUMBER                := OKL_API.G_MISS_NUM,
    NAME                 VARCHAR2(150)         := OKL_API.G_MISS_CHAR,
    DESCRIPTION          VARCHAR2(1995)        := OKL_API.G_MISS_CHAR,
    LEGACY_PRODUCT_YN    VARCHAR2(3)           := OKL_API.G_MISS_CHAR,
    FROM_DATE            DATE                 := OKL_API.G_MISS_DATE,
    VERSION              VARCHAR2(24)          := OKL_API.G_MISS_CHAR,
    TO_DATE              DATE                 := OKL_API.G_MISS_DATE,
    ATTRIBUTE_CATEGORY   VARCHAR2(90)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE1           VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE2           VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE3           VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE4           VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE5           VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE6           VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE7           VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE8           VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE9           VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE10          VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE11          VARCHAR2(450)         := OKL_API.G_MISS_CHAR,

```

ATTRIBUTE12	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE13	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE14	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE15	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM

);

A.82 OKL_PERD_STATUS_PVT.PERIOD_REC_TYPE

```
TYPE OKL_PERD_STATUS_PVT.PERIOD_REC_TYPE IS RECORD (  
  APPLICATION_ID          NUMBER          := OKL_API.G_MISS_NUM,  
  SET_OF_BOOKS_ID        NUMBER          := OKL_API.G_MISS_NUM,  
  PERIOD_NAME             VARCHAR2 (15)    := OKL_API.G_MISS_CHAR,  
  LAST_UPDATE_DATE       DATE             := OKL_API.G_MISS_DATE,  
  LAST_UPDATED_BY        NUMBER          := OKL_API.G_MISS_NUM,  
  CLOSING_STATUS          VARCHAR2 (1)     := OKL_API.G_MISS_CHAR,  
  START_DATE             DATE             := OKL_API.G_MISS_DATE,  
  END_DATE               DATE             := OKL_API.G_MISS_DATE,  
  PERIOD_TYPE            VARCHAR2 (15)    := OKL_API.G_MISS_CHAR,  
  PERIOD_YEAR            NUMBER          := OKL_API.G_MISS_NUM,  
  PERIOD_NUM             NUMBER          := OKL_API.G_MISS_NUM,  
  QUARTER_NUM            NUMBER          := OKL_API.G_MISS_NUM,  
  ADJUSTMENT_PERIOD_FLAG VARCHAR2 (1)     := OKL_API.G_MISS_CHAR,  
  CREATION_DATE          DATE             := OKL_API.G_MISS_DATE,  
  CREATED_BY            NUMBER          := OKL_API.G_MISS_NUM,  
  LAST_UPDATE_LOGIN      NUMBER          := OKL_API.G_MISS_NUM,  
  ATTRIBUTE1             VARCHAR2 (150)   := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE2             VARCHAR2 (150)   := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE3             VARCHAR2 (150)   := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE4             VARCHAR2 (150)   := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE5             VARCHAR2 (150)   := OKL_API.G_MISS_CHAR,  
  CONTEXT                VARCHAR2 (150)   := OKL_API.G_MISS_CHAR,  
  YEAR_START_DATE        DATE             := OKL_API.G_MISS_DATE,  
  QUARTER_START_DATE     DATE             := OKL_API.G_MISS_DATE,  
  EFFECTIVE_PERIOD_NUM   NUMBER          := OKL_API.G_MISS_NUM,  
  ELIMINATION_CONFIRMED_FLAG VARCHAR2 (1) := OKL_API.G_MISS_CHAR  
);
```

A.83 OKL_PIT_PVT.PITV_REC_TYPE

```

TYPE OKL_PIT_PVT.PITV_REC_TYPE IS RECORD (
    ID                                NUMBER                := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER             NUMBER                := OKL_API.G_MISS_NUM,
    PDT_ID                            NUMBER                := OKL_API.G_MISS_NUM,
    TEMPLATE_NAME                     VARCHAR2(150)         := OKL_API.G_MISS_CHAR,
    TEMPLATE_PATH                     VARCHAR2(400)         := OKL_API.G_MISS_CHAR,
    VERSION                           VARCHAR2(24)          := OKL_API.G_MISS_CHAR,
    START_DATE                        DATE                   := OKL_API.G_MISS_DATE,
    END_DATE                          DATE                   := OKL_API.G_MISS_DATE,
    DESCRIPTION                       VARCHAR2(1995)        := OKL_API.G_MISS_CHAR,
    CREATED_BY                        NUMBER                 := OKL_API.G_MISS_NUM,
    CREATION_DATE                     DATE                   := OKL_API.G_MISS_DATE,
    LAST_UPDATED_BY                   NUMBER                 := OKL_API.G_MISS_NUM,
    LAST_UPDATE_DATE                  DATE                   := OKL_API.G_MISS_DATE,
    LAST_UPDATE_LOGIN                  NUMBER                 := OKL_API.G_MISS_NUM
);

```

A.84 OKL_PQY_PVT.PQYV_REC_TYPE

```

TYPE OKL_PQY_PVT.PQYV_REC_TYPE IS RECORD (
    ID                                NUMBER                := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER             NUMBER                := OKL_API.G_MISS_NUM,
    NAME                              VARCHAR2(150)         := OKL_API.G_MISS_CHAR,
    DESCRIPTION                       VARCHAR2(1995)        := OKL_API.G_MISS_CHAR,
    LOCATION_YN                       VARCHAR2(3)           := OKL_API.G_MISS_CHAR,
    FROM_DATE                         DATE                   := OKL_API.G_MISS_DATE,
    TO_DATE                           DATE                   := OKL_API.G_MISS_DATE,
    CREATED_BY                        NUMBER                 := OKL_API.G_MISS_NUM,
    CREATION_DATE                     DATE                   := OKL_API.G_MISS_DATE,
    LAST_UPDATED_BY                   NUMBER                 := OKL_API.G_MISS_NUM,
    LAST_UPDATE_DATE                  DATE                   := OKL_API.G_MISS_DATE,
    LAST_UPDATE_LOGIN                  NUMBER                 := OKL_API.G_MISS_NUM
);

```

A.85 OKL_PTC_PVT.PTCV_REC_TYPE

```

TYPE OKL_PTC_PVT.PTCV_REC_TYPE IS RECORD (
    ID                                NUMBER                := OKL_API.G_MISS_NUM,
    SEQUENCE_NUMBER                   NUMBER                := OKL_API.G_MISS_NUM,
    ASSET_ID                          NUMBER                := OKL_API.G_MISS_NUM,

```

ASSET_NUMBER	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
ASSET_DESCRIPTION	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
KHR_ID	NUMBER	:= OKL_API.G_MISS_NUM,
KLE_ID	NUMBER	:= OKL_API.G_MISS_NUM,
ASSET_UNITS	NUMBER	:= OKL_API.G_MISS_NUM,
LANGUAGE	VARCHAR2 (12)	:= OKL_API.G_MISS_CHAR,
SOURCE_LANG	VARCHAR2 (12)	:= OKL_API.G_MISS_CHAR,
SFWT_FLAG	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
ASSET_ADDRESS_1	VARCHAR2 (250)	:= OKL_API.G_MISS_CHAR,
ASSET_ADDRESS_2	VARCHAR2 (250)	:= OKL_API.G_MISS_CHAR,
ASSET_ADDRESS_3	VARCHAR2 (250)	:= OKL_API.G_MISS_CHAR,
ASSET_ADDRESS_4	VARCHAR2 (250)	:= OKL_API.G_MISS_CHAR,
ASSET_CITY	VARCHAR2 (250)	:= OKL_API.G_MISS_CHAR,
ASSET_STATE	VARCHAR2 (250)	:= OKL_API.G_MISS_CHAR,
ASSET_COUNTRY	VARCHAR2 (250)	:= OKL_API.G_MISS_CHAR,
TAX_ASSESSMENT_AMOUNT	NUMBER	:= OKL_API.G_MISS_NUM,
TAX_JURISDICTION_CITY	VARCHAR2 (250)	:= OKL_API.G_MISS_CHAR,
TAX_JURISDICTION_CITY_RATE	NUMBER	:= OKL_API.G_MISS_NUM,
TAX_JURISDICTION_COUNTY	VARCHAR2 (250)	:= OKL_API.G_MISS_CHAR,
TAX_JURISDICTION_COUNTY_RATE	NUMBER	:= OKL_API.G_MISS_NUM,
TAX_JURISDICTION_STATE	VARCHAR2 (250)	:= OKL_API.G_MISS_CHAR,
TAX_JURISDICTION_STATE_RATE	NUMBER	:= OKL_API.G_MISS_NUM,
TAX_JURISDICTION_SCHOOL	VARCHAR2 (250)	:= OKL_API.G_MISS_CHAR,
TAX_JURISDICTION_SCHOOL_RATE	NUMBER	:= OKL_API.G_MISS_NUM,
TAX_JURISDICTION_COUNTRY	VARCHAR2 (250)	:= OKL_API.G_MISS_CHAR,
TAX_JURISDICTION_COUNTRY_RATE	NUMBER	:= OKL_API.G_MISS_NUM,
TAX_ASSESSMENT_DATE	DATE	:= OKL_API.G_MISS_DATE,
MILRATE	NUMBER	:= OKL_API.G_MISS_NUM,
PROPERTY_TAX_AMOUNT	NUMBER	:= OKL_API.G_MISS_NUM,
OEC	NUMBER	:= OKL_API.G_MISS_NUM,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM

);

A.86 OKL_PTL_PVT.PTLV_REC_TYPE

```

TYPE OKL_PTL_PVT.PTLV_REC_TYPE IS RECORD (
    ID                                NUMBER                                := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER             NUMBER                                := OKL_API.G_MISS_NUM,
    NAME                              VARCHAR2 (150)                   := OKL_API.G_MISS_CHAR,

```

```

VERSION                VARCHAR2(24)           := OKL_API.G_MISS_CHAR,
DESCRIPTION             VARCHAR2(1995)        := OKL_API.G_MISS_CHAR,
FROM_DATE              DATE                   := OKL_API.G_MISS_DATE,
TO_DATE                DATE                   := OKL_API.G_MISS_DATE,
CREATED_BY             NUMBER                 := OKL_API.G_MISS_NUM,
CREATION_DATE          DATE                   := OKL_API.G_MISS_DATE,
LAST_UPDATED_BY        NUMBER                 := OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE       DATE                   := OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN      NUMBER                 := OKL_API.G_MISS_NUM
);

```

A.87 OKL_PTM_PVT.PTMV_REC_TYPE

```

TYPE OKL_PTM_PVT.PTMV_REC_TYPE IS RECORD (
    ID                NUMBER                 := OKL_API.G_MISS_NUM,
    ORG_ID            NUMBER                 := OKL_API.G_MISS_NUM,
    PTM_CODE          VARCHAR2(30)          := OKL_API.G_MISS_CHAR,
    JTF_AMV_ITEM_ID   NUMBER                 := OKL_API.G_MISS_NUM,
    SFWT_FLAG         VARCHAR2(3)           := OKL_API.G_MISS_CHAR,
    EMAIL_SUBJECT_LINE VARCHAR2(40)          := OKL_API.G_MISS_CHAR,
    START_DATE        DATE                   := OKL_API.G_MISS_DATE,
    END_DATE          DATE                   := OKL_API.G_MISS_DATE,
    OBJECT_VERSION_NUMBER NUMBER             := OKL_API.G_MISS_NUM,
    ATTRIBUTE_CATEGORY VARCHAR2(90)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE1         VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE2         VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE3         VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE4         VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE5         VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE6         VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE7         VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE8         VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE9         VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE10        VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE11        VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE12        VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE13        VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE14        VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    ATTRIBUTE15        VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
    CREATED_BY         NUMBER                 := OKL_API.G_MISS_NUM,
    CREATION_DATE      DATE                   := OKL_API.G_MISS_DATE,
    LAST_UPDATED_BY    NUMBER                 := OKL_API.G_MISS_NUM,
    LAST_UPDATE_DATE   DATE                   := OKL_API.G_MISS_DATE,

```

```
        LAST_UPDATE_LOGIN          NUMBER          := OKL_API.G_MISS_NUM
    );
```

A.88 OKL_PTQ_PVT.PTQV_REC_TYPE

```
TYPE OKL_PTQ_PVT.PTQV_REC_TYPE IS RECORD (
    ID                                NUMBER          := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER            NUMBER          := OKL_API.G_MISS_NUM,
    NAME                             VARCHAR2(150)    := OKL_API.G_MISS_CHAR,
    DESCRIPTION                       VARCHAR2(1995)   := OKL_API.G_MISS_CHAR,
    FROM_DATE                        DATE              := OKL_API.G_MISS_DATE,
    TO_DATE                          DATE              := OKL_API.G_MISS_DATE,
    CREATED_BY                       NUMBER           := OKL_API.G_MISS_NUM,
    CREATION_DATE                    DATE              := OKL_API.G_MISS_DATE,
    LAST_UPDATED_BY                  NUMBER           := OKL_API.G_MISS_NUM,
    LAST_UPDATE_DATE                 DATE              := OKL_API.G_MISS_DATE,
    LAST_UPDATE_LOGIN                NUMBER           := OKL_API.G_MISS_NUM
);
```

A.89 OKL_PTV_PVT.PTVV_REC_TYPE

```
TYPE OKL_PTV_PVT.PTVV_REC_TYPE IS RECORD (
    ID                                NUMBER          := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER            NUMBER          := OKL_API.G_MISS_NUM,
    PTQ_ID                           NUMBER          := OKL_API.G_MISS_NUM,
    VALUE                             VARCHAR2(150)    := OKL_API.G_MISS_CHAR,
    DESCRIPTION                       VARCHAR2(1995)   := OKL_API.G_MISS_CHAR,
    FROM_DATE                        DATE              := OKL_API.G_MISS_DATE,
    TO_DATE                          DATE              := OKL_API.G_MISS_DATE,
    CREATED_BY                       NUMBER           := OKL_API.G_MISS_NUM,
    CREATION_DATE                    DATE              := OKL_API.G_MISS_DATE,
    LAST_UPDATED_BY                  NUMBER           := OKL_API.G_MISS_NUM,
    LAST_UPDATE_DATE                 DATE              := OKL_API.G_MISS_DATE,
    LAST_UPDATE_LOGIN                NUMBER           := OKL_API.G_MISS_NUM
);
```


A.90 OKL_QA_CHECK_PUB.MSG_REC_TYPE

```

TYPE OKL_QA_CHECK_PUB.MSG_REC_TYPE IS RECORD (
    SEVERITY                VARCHAR2(3)           := OKL_API.G_MISS_CHAR,
    NAME                    VARCHAR2(150)          := OKL_API.G_MISS_CHAR,
    DESCRIPTION              VARCHAR2(1995)         := OKL_API.G_MISS_CHAR,
    PACKAGE_NAME             VARCHAR2(90)           := OKL_API.G_MISS_CHAR,
    PROCEDURE_NAME           VARCHAR2(90)           := OKL_API.G_MISS_CHAR,
    ERROR_STATUS             VARCHAR2(1)            := OKL_API.G_MISS_CHAR,
    DATA                   VARCHAR2(2000)          := OKL_API.G_MISS_CHAR
);

```

A.91 OKL_QLS_PVT.QLSV_REC_TYPE

```

TYPE OKL_QLS_PVT.QLSV_REC_TYPE IS RECORD (
    ID                      NUMBER                 := OKL_API.G_MISS_NUM,
    QUOTE_LINE_TYPE_CODE    VARCHAR2(30)           := OKL_API.G_MISS_CHAR,
    STY_ID                  NUMBER                 := OKL_API.G_MISS_NUM,
    INVOICABLE_YN           VARCHAR2(3)            := OKL_API.G_MISS_CHAR,
    OBJECT_VERSION_NUMBER   NUMBER                 := OKL_API.G_MISS_NUM,
    ORG_ID                  NUMBER                 := OKL_API.G_MISS_NUM,
    CREATED_BY              NUMBER                 := OKL_API.G_MISS_NUM,
    CREATION_DATE           DATE                   := OKL_API.G_MISS_DATE,
    LAST_UPDATED_BY         NUMBER                 := OKL_API.G_MISS_NUM,
    LAST_UPDATE_DATE        DATE                   := OKL_API.G_MISS_DATE,
    LAST_UPDATE_LOGIN       NUMBER                 := OKL_API.G_MISS_NUM
);

```

A.92 OKL_QPY_PVT.QPYV_REC_TYPE

```

TYPE OKL_QPY_PVT.QPYV_REC_TYPE IS RECORD (
    ID                      NUMBER                 := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER   NUMBER                 := OKL_API.G_MISS_NUM,
    QTE_ID                  NUMBER                 := OKL_API.G_MISS_NUM,
    CPL_ID                  NUMBER                 := OKL_API.G_MISS_NUM,
    DATE_SENT               DATE                   := OKL_API.G_MISS_DATE,
    QPT_CODE                VARCHAR2(30)           := OKL_API.G_MISS_CHAR,
    DELAY_DAYS              NUMBER                 := OKL_API.G_MISS_NUM,
    ALLOCATION_PERCENTAGE    NUMBER                 := OKL_API.G_MISS_NUM,
    EMAIL_ADDRESS           VARCHAR2(600)          := OKL_API.G_MISS_CHAR,
    PARTY_JTOT_OBJECT1_CODE VARCHAR2(30)           := OKL_API.G_MISS_CHAR,
    PARTY_OBJECT1_ID1       VARCHAR2(40)           := OKL_API.G_MISS_CHAR,

```

PARTY_OBJECT1_ID2	VARCHAR2 (200)	:= OKL_API.G_MISS_CHAR,
CONTACT_JTOT_OBJECT1_CODE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
CONTACT_OBJECT1_ID1	VARCHAR2 (40)	:= OKL_API.G_MISS_CHAR,
CONTACT_OBJECT1_ID2	VARCHAR2 (200)	:= OKL_API.G_MISS_CHAR,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM

);

A.93 OKL_QTE_PVT.QTEV_REC_TYPE

TYPE OKL_QTE_PVT.QTEV_REC_TYPE IS RECORD (		
ID	NUMBER	:= OKL_API.G_MISS_NUM,
OBJECT_VERSION_NUMBER	NUMBER	:= OKL_API.G_MISS_NUM,
SFWT_FLAG	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
QRS_CODE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
QST_CODE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
QTP_CODE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
TRN_CODE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
POP_CODE_END	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
POP_CODE_EARLY	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
CONSOLIDATED_QTE_ID	NUMBER	:= OKL_API.G_MISS_NUM,
KHR_ID	NUMBER	:= OKL_API.G_MISS_NUM,
ART_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PDT_ID	NUMBER	:= OKL_API.G_MISS_NUM,
EARLY_TERMINATION_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
PARTIAL_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
PREPROCEEDS_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
DATE_REQUESTED	DATE	:= OKL_API.G_MISS_DATE,
DATE_PROPOSAL	DATE	:= OKL_API.G_MISS_DATE,
DATE_EFFECTIVE_TO	DATE	:= OKL_API.G_MISS_DATE,
DATE_ACCEPTED	DATE	:= OKL_API.G_MISS_DATE,
SUMMARY_FORMAT_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
CONSOLIDATED_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
PRINCIPAL_PAYDOWN_AMOUNT	NUMBER	:= OKL_API.G_MISS_NUM,
RESIDUAL_AMOUNT	NUMBER	:= OKL_API.G_MISS_NUM,
YIELD	NUMBER	:= OKL_API.G_MISS_NUM,
RENT_AMOUNT	NUMBER	:= OKL_API.G_MISS_NUM,
DATE_RESTRUCTURE_END	DATE	:= OKL_API.G_MISS_DATE,
DATE_RESTRUCTURE_START	DATE	:= OKL_API.G_MISS_DATE,
TERM	NUMBER	:= OKL_API.G_MISS_NUM,

PURCHASE_PERCENT	NUMBER	:= OKL_API.G_MISS_NUM,
COMMENTS	VARCHAR2(1995)	:= OKL_API.G_MISS_CHAR,
DATE_DUE	DATE	:= OKL_API.G_MISS_DATE,
PAYMENT_FREQUENCY	VARCHAR2(90)	:= OKL_API.G_MISS_CHAR,
REMAINING_PAYMENTS	NUMBER	:= OKL_API.G_MISS_NUM,
DATE_EFFECTIVE_FROM	DATE	:= OKL_API.G_MISS_DATE,
QUOTE_NUMBER	NUMBER	:= OKL_API.G_MISS_NUM,
REQUESTED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
APPROVED_YN	VARCHAR2(3)	:= OKL_API.G_MISS_CHAR,
ACCEPTED_YN	VARCHAR2(3)	:= OKL_API.G_MISS_CHAR,
PAYMENT_RECEIVED_YN	VARCHAR2(3)	:= OKL_API.G_MISS_CHAR,
DATE_PAYMENT_RECEIVED	DATE	:= OKL_API.G_MISS_DATE,
ATTRIBUTE_CATEGORY	VARCHAR2(90)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE1	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE2	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE3	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE4	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE5	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE6	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE7	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE8	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE9	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE10	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE11	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE12	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE13	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE14	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE15	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
DATE_APPROVED	DATE	:= OKL_API.G_MISS_DATE,
APPROVED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
ORG_ID	NUMBER	:= OKL_API.G_MISS_NUM,
REQUEST_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_APPLICATION_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM,
PURCHASE_AMOUNT	NUMBER	:= OKL_API.G_MISS_NUM,
PURCHASE_FORMULA	VARCHAR2(150)	:= OKL_API.G_MISS_CHAR

);

A.94 OKL_QVE_PVT.QVEV_REC_TYPE

```
TYPE OKL_QVE_PVT.QVEV_REC_TYPE IS RECORD (  
    ID                                NUMBER                := OKL_API.G_MISS_NUM,  
    OBJECT_VERSION_NUMBER             NUMBER                := OKL_API.G_MISS_NUM,  
    PQY_ID                            NUMBER                := OKL_API.G_MISS_NUM,  
    VALUE                             VARCHAR2(150)         := OKL_API.G_MISS_CHAR,  
    DESCRIPTION                        VARCHAR2(1995)        := OKL_API.G_MISS_CHAR,  
    FROM_DATE                         DATE                   := OKL_API.G_MISS_DATE,  
    TO_DATE                           DATE                   := OKL_API.G_MISS_DATE,  
    CREATED_BY                         NUMBER                := OKL_API.G_MISS_NUM,  
    CREATION_DATE                     DATE                   := OKL_API.G_MISS_DATE,  
    LAST_UPDATED_BY                   NUMBER                := OKL_API.G_MISS_NUM,  
    LAST_UPDATE_DATE                  DATE                   := OKL_API.G_MISS_DATE,  
    LAST_UPDATE_LOGIN                 NUMBER                := OKL_API.G_MISS_NUM  
);
```

A.95 OKL_REV_LOSS_PROV_PVT.LPRV_REC_TYPE

```
TYPE OKL_REV_LOSS_PROV_PVT.LPRV_REC_TYPE IS RECORD (  
    CNTRCT_NUM                        VARCHAR2(120)          := OKL_API.G_MISS_CHAR,  
    REVERSAL_TYPE                     VARCHAR2(10)           := OKL_API.G_MISS_CHAR  
);
```

A.96 OKL_RPC_PVT.RPCV_REC_TYPE

```
TYPE OKL_RPC_PVT.RPCV_REC_TYPE IS RECORD (  
    ID                                NUMBER                := OKL_API.G_MISS_NUM,  
    OBJECT_VERSION_NUMBER             NUMBER                := OKL_API.G_MISS_NUM,  
    SFWT_FLAG                         VARCHAR2(3)           := OKL_API.G_MISS_CHAR,  
    ENABLED_YN                        VARCHAR2(3)           := OKL_API.G_MISS_CHAR,  
    COST                              NUMBER                := OKL_API.G_MISS_NUM,  
    REPAIR_TYPE                       VARCHAR2(240)         := OKL_API.G_MISS_CHAR,  
    DESCRIPTION                        VARCHAR2(1995)        := OKL_API.G_MISS_CHAR,  
    ORG_ID                            NUMBER                := OKL_API.G_MISS_NUM,  
    CREATED_BY                         NUMBER                := OKL_API.G_MISS_NUM,  
    CREATION_DATE                     DATE                   := OKL_API.G_MISS_DATE,  
    LAST_UPDATED_BY                   NUMBER                := OKL_API.G_MISS_NUM,  
    LAST_UPDATE_DATE                  DATE                   := OKL_API.G_MISS_DATE,  
    LAST_UPDATE_LOGIN                 NUMBER                := OKL_API.G_MISS_NUM  
);
```

A.97 OKL_RULE_APIS_PVT.RULV_DISP_REC_TYPE

```

TYPE OKL_RULE_APIS_PVT.RULV_DISP_REC_TYPE IS RECORD (
    ID                                NUMBER                := OKL_API.G_MISS_NUM,
    RDF_CODE                          VARCHAR2(90)         := OKL_API.G_MISS_CHAR,
    OBJ1_NAME                         VARCHAR2(500)         := OKL_API.G_MISS_CHAR,
    OBJ1_DESCR                       VARCHAR2(2000)         := OKL_API.G_MISS_CHAR,
    OBJ1_STATUS                      VARCHAR2(30)           := OKL_API.G_MISS_CHAR,
    OBJ1_START_DATE                  DATE                   := OKL_API.G_MISS_DATE,
    OBJ1_END_DATE                    DATE                   := OKL_API.G_MISS_DATE,
    OBJ1_ORG_ID                      NUMBER                 := OKL_API.G_MISS_NUM,
    OBJ1_INV_ORG_ID                  NUMBER                 := OKL_API.G_MISS_NUM,
    OBJ1_BOOK_TYPE_CODE              VARCHAR2(15)           := OKL_API.G_MISS_CHAR,
    OBJ1_SELECT                      VARCHAR2(2000)         := OKL_API.G_MISS_CHAR,
    OBJ2_NAME                         VARCHAR2(500)         := OKL_API.G_MISS_CHAR,
    OBJ2_DESCR                       VARCHAR2(2000)         := OKL_API.G_MISS_CHAR,
    OBJ2_STATUS                      VARCHAR2(30)           := OKL_API.G_MISS_CHAR,
    OBJ2_START_DATE                  DATE                   := OKL_API.G_MISS_DATE,
    OBJ2_END_DATE                    DATE                   := OKL_API.G_MISS_DATE,
    OBJ2_ORG_ID                      NUMBER                 := OKL_API.G_MISS_NUM,
    OBJ2_INV_ORG_ID                  NUMBER                 := OKL_API.G_MISS_NUM,
    OBJ2_BOOK_TYPE_CODE              VARCHAR2(15)           := OKL_API.G_MISS_CHAR,
    OBJ2_SELECT                      VARCHAR2(2000)         := OKL_API.G_MISS_CHAR,
    OBJ3_NAME                         VARCHAR2(500)         := OKL_API.G_MISS_CHAR,
    OBJ3_DESCR                       VARCHAR2(2000)         := OKL_API.G_MISS_CHAR,
    OBJ3_STATUS                      VARCHAR2(30)           := OKL_API.G_MISS_CHAR,
    OBJ3_START_DATE                  DATE                   := OKL_API.G_MISS_DATE,
    OBJ3_END_DATE                    DATE                   := OKL_API.G_MISS_DATE,
    OBJ3_ORG_ID                      NUMBER                 := OKL_API.G_MISS_NUM,
    OBJ3_INV_ORG_ID                  NUMBER                 := OKL_API.G_MISS_NUM,
    OBJ3_BOOK_TYPE_CODE              VARCHAR2(15)           := OKL_API.G_MISS_CHAR,
    OBJ3_SELECT                      VARCHAR2(2000)         := OKL_API.G_MISS_CHAR,
    RUL_INFO1_NAME                   VARCHAR2(500)         := OKL_API.G_MISS_CHAR,
    RUL_INFO1_SELECT                 VARCHAR2(2000)         := OKL_API.G_MISS_CHAR,
    RUL_INFO2_NAME                   VARCHAR2(500)         := OKL_API.G_MISS_CHAR,
    RUL_INFO2_SELECT                 VARCHAR2(2000)         := OKL_API.G_MISS_CHAR,
    RUL_INFO3_NAME                   VARCHAR2(500)         := OKL_API.G_MISS_CHAR,
    RUL_INFO3_SELECT                 VARCHAR2(2000)         := OKL_API.G_MISS_CHAR,
    RUL_INFO4_NAME                   VARCHAR2(500)         := OKL_API.G_MISS_CHAR,
    RUL_INFO4_SELECT                 VARCHAR2(2000)         := OKL_API.G_MISS_CHAR,
    RUL_INFO5_NAME                   VARCHAR2(500)         := OKL_API.G_MISS_CHAR,
    RUL_INFO5_SELECT                 VARCHAR2(2000)         := OKL_API.G_MISS_CHAR,
    RUL_INFO6_NAME                   VARCHAR2(500)         := OKL_API.G_MISS_CHAR,
    RUL_INFO6_SELECT                 VARCHAR2(2000)         := OKL_API.G_MISS_CHAR,
    RUL_INFO7_NAME                   VARCHAR2(500)         := OKL_API.G_MISS_CHAR,

```

```
RUL_INFO07_SELECT          VARCHAR2(2000)      := OKL_API.G_MISS_CHAR,
RUL_INFO08_NAME            VARCHAR2(500)        := OKL_API.G_MISS_CHAR,
RUL_INFO08_SELECT         VARCHAR2(2000)        := OKL_API.G_MISS_CHAR,
RUL_INFO09_NAME           VARCHAR2(500)         := OKL_API.G_MISS_CHAR,
RUL_INFO09_SELECT         VARCHAR2(2000)        := OKL_API.G_MISS_CHAR,
RUL_INFO10_NAME           VARCHAR2(500)         := OKL_API.G_MISS_CHAR,
RUL_INFO10_SELECT         VARCHAR2(2000)        := OKL_API.G_MISS_CHAR,
RUL_INFO11_NAME           VARCHAR2(500)         := OKL_API.G_MISS_CHAR,
RUL_INFO11_SELECT         VARCHAR2(2000)        := OKL_API.G_MISS_CHAR,
RUL_INFO12_NAME           VARCHAR2(500)         := OKL_API.G_MISS_CHAR,
RUL_INFO12_SELECT         VARCHAR2(2000)        := OKL_API.G_MISS_CHAR,
RUL_INFO13_NAME           VARCHAR2(500)         := OKL_API.G_MISS_CHAR,
RUL_INFO13_SELECT         VARCHAR2(2000)        := OKL_API.G_MISS_CHAR,
RUL_INFO14_NAME           VARCHAR2(500)         := OKL_API.G_MISS_CHAR,
RUL_INFO14_SELECT         VARCHAR2(2000)        := OKL_API.G_MISS_CHAR,
RUL_INFO15_NAME           VARCHAR2(500)         := OKL_API.G_MISS_CHAR,
RUL_INFO15_SELECT         VARCHAR2(2000)        := OKL_API.G_MISS_CHAR
);
```

A.98 OKL_RULE_EXTRACT_PVT.RG_RULES_REC_TYPE

```
TYPE OKL_RULE_EXTRACT_PVT.RG_RULES_REC_TYPE IS RECORD (
  RGD_CODE          VARCHAR2(30)      := OKL_API.G_MISS_CHAR,
  RDF_CODE          VARCHAR2(30)      := OKL_API.G_MISS_CHAR,
  APPLICATION_COLUMN_NAME  VARCHAR2(30)  := OKL_API.G_MISS_CHAR,
  COLUMN_SEQ_NUM    VARCHAR2(3)       := OKL_API.G_MISS_CHAR,
  OPTIONAL_YN       VARCHAR2(3)       := OKL_API.G_MISS_CHAR,
  MIN_CARDINALITY   VARCHAR2(9)       := OKL_API.G_MISS_CHAR,
  MAX_CARDINALITY   VARCHAR2(9)       := OKL_API.G_MISS_CHAR
);
```

A.99 OKL_RULE_EXTRACT_PVT.RUL_SEGMENT_REC_TYPE

```
TYPE OKL_RULE_EXTRACT_PVT.RUL_SEGMENT_REC_TYPE IS RECORD (
  RGD_CODE          VARCHAR2(30)      := OKL_API.G_MISS_CHAR,
  RGS_CODE          VARCHAR2(30)      := OKL_API.G_MISS_CHAR,
  APPLICATION_COLUMN_NAME  VARCHAR2(30)  := OKL_API.G_MISS_CHAR,
  END_USER_COLUMN_NAME  VARCHAR2(30)    := OKL_API.G_MISS_CHAR,
  SEQUENCE          VARCHAR2(3)       := OKL_API.G_MISS_CHAR,
  ENABLED_FLAG       VARCHAR2(1)      := OKL_API.G_MISS_CHAR,
  DISPLAYED_FLAG     VARCHAR2(1)      := OKL_API.G_MISS_CHAR,
  REQUIRED_FLAG       VARCHAR2(1)      := OKL_API.G_MISS_CHAR,
```

```

DEFAULT_SIZE          VARCHAR2(3)          := OKL_API.G_MISS_CHAR,
LEFT_PROMPT           VARCHAR2(80)         := OKL_API.G_MISS_CHAR,
SELECT_CLAUSE         VARCHAR2(2000)       := OKL_API.G_MISS_CHAR,
FROM_CLAUSE           VARCHAR2(2000)       := OKL_API.G_MISS_CHAR,
WHERE_CLAUSE          VARCHAR2(2000)       := OKL_API.G_MISS_CHAR,
ORDER_BY_CLAUSE       VARCHAR2(2000)       := OKL_API.G_MISS_CHAR,
OBJECT_CODE           VARCHAR2(30)         := OKL_API.G_MISS_CHAR,
LONGLIST_FLAG         VARCHAR2(1)         := OKL_API.G_MISS_CHAR,
FORMAT_TYPE           VARCHAR2(1)         := OKL_API.G_MISS_CHAR,
ID1_COL               VARCHAR2(30)         := OKL_API.G_MISS_CHAR,
ID2_COL               VARCHAR2(30)         := OKL_API.G_MISS_CHAR,
RULE_INFO_COL         VARCHAR2(30)         := OKL_API.G_MISS_CHAR,
NAME_COL              VARCHAR2(30)         := OKL_API.G_MISS_CHAR,
VALUE_SET_NAME        VARCHAR2(60)         := OKL_API.G_MISS_CHAR,
ADDITIONAL_COLUMNS    VARCHAR2(240)        := OKL_API.G_MISS_CHAR
);

```

A.100 OKL_RULE_EXTRACT_PVT.SC_RG_REC_TYPE

```

TYPE OKL_RULE_EXTRACT_PVT.SC_RG_REC_TYPE IS RECORD (
    SCS_CODE          VARCHAR2(30)         := OKL_API.G_MISS_CHAR,
    RGD_CODE          VARCHAR2(30)         := OKL_API.G_MISS_CHAR,
    MEANING            VARCHAR2(80)         := OKL_API.G_MISS_CHAR,
    DESCRIPTION        VARCHAR2(240)        := OKL_API.G_MISS_CHAR
);

```

A.101 OKL_RULE_PUB.RULV_REC_TYPE

```

TYPE OKL_RULE_PUB.RULV_REC_TYPE IS RECORD (
    ID                NUMBER              := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER NUMBER          := OKL_API.G_MISS_NUM,
    SFWT_FLAG         VARCHAR2(3)         := OKL_API.G_MISS_CHAR,
    OBJECT1_ID1       VARCHAR2(40)        := OKL_API.G_MISS_CHAR,
    OBJECT2_ID1       VARCHAR2(40)        := OKL_API.G_MISS_CHAR,
    OBJECT3_ID1       VARCHAR2(40)        := OKL_API.G_MISS_CHAR,
    OBJECT1_ID2       VARCHAR2(200)       := OKL_API.G_MISS_CHAR,
    OBJECT2_ID2       VARCHAR2(200)       := OKL_API.G_MISS_CHAR,
    OBJECT3_ID2       VARCHAR2(200)       := OKL_API.G_MISS_CHAR,
    JTOT_OBJECT1_CODE VARCHAR2(30)        := OKL_API.G_MISS_CHAR,
    JTOT_OBJECT2_CODE VARCHAR2(30)        := OKL_API.G_MISS_CHAR,
    JTOT_OBJECT3_CODE VARCHAR2(30)        := OKL_API.G_MISS_CHAR,
    DNZ_CHR_ID        NUMBER              := OKL_API.G_MISS_NUM,

```

RGP_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PRIORITY	NUMBER	:= OKL_API.G_MISS_NUM,
STD_TEMPLATE_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
COMMENTS	VARCHAR2 (1995)	:= OKL_API.G_MISS_CHAR,
WARN_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE_CATEGORY	VARCHAR2 (90)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE1	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE2	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE3	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE4	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE5	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE6	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE7	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE8	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE9	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE10	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE11	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE12	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE13	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE14	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE15	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM,
RULE_INFORMATION_CATEGORY	VARCHAR2 (90)	:= OKL_API.G_MISS_CHAR,
RULE_INFORMATION1	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
RULE_INFORMATION2	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
RULE_INFORMATION3	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
RULE_INFORMATION4	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
RULE_INFORMATION5	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
RULE_INFORMATION6	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
RULE_INFORMATION7	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
RULE_INFORMATION8	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
RULE_INFORMATION9	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
RULE_INFORMATION10	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
RULE_INFORMATION11	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
RULE_INFORMATION12	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
RULE_INFORMATION13	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
RULE_INFORMATION14	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
RULE_INFORMATION15	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
TEMPLATE_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
ANS_SET_JTOT_OBJECT_CODE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
ANS_SET_JTOT_OBJECT_ID1	VARCHAR2 (40)	:= OKL_API.G_MISS_CHAR,


```

ANS_SET_JTOT_OBJECT_ID2      VARCHAR2(40)      := OKL_API.G_MISS_CHAR,
DISPLAY_SEQUENCE             NUMBER             := OKL_API.G_MISS_NUM
);

```

A.102 OKL_SAO_PVT.SAOV_REC_TYPE

```

TYPE OKL_SAO_PVT.SAOV_REC_TYPE IS RECORD (
    ID                      NUMBER              := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER   NUMBER              := OKL_API.G_MISS_NUM,
    SET_OF_BOOKS_ID        NUMBER              := OKL_API.G_MISS_NUM,
    CODE_COMBINATION_ID     NUMBER              := OKL_API.G_MISS_NUM,
    CC_REP_CURRENCY_CODE    VARCHAR2(9)         := OKL_API.G_MISS_CHAR,
    AEL_REP_CURRENCY_CODE   VARCHAR2(9)         := OKL_API.G_MISS_CHAR,
    REC_CCID                NUMBER              := OKL_API.G_MISS_NUM,
    REALIZED_GAIN_CCID      NUMBER              := OKL_API.G_MISS_NUM,
    REALIZED_LOSS_CCID      NUMBER              := OKL_API.G_MISS_NUM,
    TAX_CCID                NUMBER              := OKL_API.G_MISS_NUM,
    CROSS_CURRENCY_CCID     NUMBER              := OKL_API.G_MISS_NUM,
    ROUNDING_CCID           NUMBER              := OKL_API.G_MISS_NUM,
    AR_CLEARING_CCID        NUMBER              := OKL_API.G_MISS_NUM,
    PAYABLES_CCID           NUMBER              := OKL_API.G_MISS_NUM,
    LIABILITY_CCID          NUMBER              := OKL_API.G_MISS_NUM,
    PRE_PAYMENT_CCID        NUMBER              := OKL_API.G_MISS_NUM,
    FUT_DATE_PAY_CCID       NUMBER              := OKL_API.G_MISS_NUM,
    DIS_TAKEN_CCID          NUMBER              := OKL_API.G_MISS_NUM,
    AP_CLEARING_CCID        NUMBER              := OKL_API.G_MISS_NUM,
    AEL_ROUNDING_RULE        VARCHAR2(90)        := OKL_API.G_MISS_CHAR,
    AEL_PRECISION           NUMBER              := OKL_API.G_MISS_NUM,
    AEL_MIN_ACCT_UNIT       NUMBER              := OKL_API.G_MISS_NUM,
    CC_ROUNDING_RULE        VARCHAR2(90)        := OKL_API.G_MISS_CHAR,
    CC_PRECISION            NUMBER              := OKL_API.G_MISS_NUM,
    CC_MIN_ACCT_UNIT        NUMBER              := OKL_API.G_MISS_NUM,
    ATTRIBUTE_CATEGORY       VARCHAR2(90)        := OKL_API.G_MISS_CHAR,
    ATTRIBUTE1              VARCHAR2(450)        := OKL_API.G_MISS_CHAR,
    ATTRIBUTE2              VARCHAR2(450)        := OKL_API.G_MISS_CHAR,
    ATTRIBUTE3              VARCHAR2(450)        := OKL_API.G_MISS_CHAR,
    ATTRIBUTE4              VARCHAR2(450)        := OKL_API.G_MISS_CHAR,
    ATTRIBUTE5              VARCHAR2(450)        := OKL_API.G_MISS_CHAR,
    ATTRIBUTE6              VARCHAR2(450)        := OKL_API.G_MISS_CHAR,
    ATTRIBUTE7              VARCHAR2(450)        := OKL_API.G_MISS_CHAR,
    ATTRIBUTE8              VARCHAR2(450)        := OKL_API.G_MISS_CHAR,
    ATTRIBUTE9              VARCHAR2(450)        := OKL_API.G_MISS_CHAR,
    ATTRIBUTE10             VARCHAR2(450)        := OKL_API.G_MISS_CHAR,

```

ATTRIBUTE11	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE12	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE13	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE14	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE15	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ORG_ID	NUMBER	:= OKL_API.G_MISS_NUM,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM,
CC_APPLY_ROUNDING_DIFFERENCE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
AEL_APPLY_ROUNDING_DIFFERENCE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
ACCRUAL_REVERSAL_DAYS	NUMBER	:= OKL_API.G_MISS_NUM,
LKE_HOLD_DAYS	NUMBER	:= OKL_API.G_MISS_NUM

);

A.103 OKL_SGT_PVT.SGNV_REC_TYPE

TYPE OKL_SGT_PVT.SGNV_REC_TYPE IS RECORD (		
ID	NUMBER	:= OKL_API.G_MISS_NUM,
JTOT_OBJECT1_CODE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
OBJECT1_ID1	VARCHAR2 (40)	:= OKL_API.G_MISS_CHAR,
OBJECT1_ID2	VARCHAR2 (400)	:= OKL_API.G_MISS_CHAR,
SGN_CODE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
VALUE	VARCHAR2 (400)	:= OKL_API.G_MISS_CHAR,
OBJECT_VERSION_NUMBER	NUMBER	:= OKL_API.G_MISS_NUM,
DEFAULT_VALUE	VARCHAR2 (400)	:= OKL_API.G_MISS_CHAR,
ACTIVE_YN	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
START_DATE	DATE	:= OKL_API.G_MISS_DATE,
END_DATE	DATE	:= OKL_API.G_MISS_DATE,
ATTRIBUTE1	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE2	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE3	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE4	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE5	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE6	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE7	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE8	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE9	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE10	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE11	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE12	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,

```
ATTRIBUTE13                VARCHAR2(240)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE14                VARCHAR2(240)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE15                VARCHAR2(240)      := OKL_API.G_MISS_CHAR,
CREATED_BY                 NUMBER             := OKL_API.G_MISS_NUM,
CREATION_DATE              DATE               := OKL_API.G_MISS_DATE,
LAST_UPDATED_BY            NUMBER             := OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE           DATE               := OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN          NUMBER             := OKL_API.G_MISS_NUM
);
```

A.104 OKL_SIMPLE_PRICING_PVT.ASSET_DETAILS_REC

```
TYPE OKL_SIMPLE_PRICING_PVT.ASSET_DETAILS_REC IS RECORD (
    MODEL_LINE_ID           NUMBER             := OKL_API.G_MISS_NUM,
    RESIDUAL_PERCENT        NUMBER             := OKL_API.G_MISS_NUM,
    LEASE_RATE_FACTOR       NUMBER             := OKL_API.G_MISS_NUM
);
```

A.105 OKL_SIMPLE_PRICING_PVT.LEASE_QUOTE_LINE_REC

```
TYPE OKL_SIMPLE_PRICING_PVT.LEASE_QUOTE_LINE_REC IS RECORD (
    P_CONTRACT_ID           NUMBER             := OKL_API.G_MISS_NUM,
    P_TOP_LINE_ID           NUMBER             := OKL_API.G_MISS_NUM,
    CAPITAL_AMOUNT          NUMBER             := OKL_API.G_MISS_NUM,
    P_RULE_ID               NUMBER             := OKL_API.G_MISS_NUM
);
```

A.106 OKL_SIMPLE_PRICING_PVT.LINE_PYMNT_AMT_REC

```
TYPE OKL_SIMPLE_PRICING_PVT.LINE_PYMNT_AMT_REC IS RECORD (
    P_CONTRACT_ID           NUMBER             := OKL_API.G_MISS_NUM,
    P_MODEL_LINE_ID         NUMBER             := OKL_API.G_MISS_NUM,
    P_LINE_PAYMENT_AMOUNT   NUMBER             := OKL_API.G_MISS_NUM
);
```

A.107 OKL_SIMPLE_PRICING_PVT.PAYMENT_AMOUNT_REC

```
TYPE OKL_SIMPLE_PRICING_PVT.PAYMENT_AMOUNT_REC IS RECORD (  
    P_CONTRACT_ID                NUMBER                := OKL_API.G_MISS_NUM,  
    P_PAYMENT_AMOUNT              NUMBER                := OKL_API.G_MISS_NUM,  
    P_FEE_AMOUNT                  NUMBER                := OKL_API.G_MISS_NUM,  
    P_SERVICE_AMOUNT              NUMBER                := OKL_API.G_MISS_NUM,  
    P_TAX_AMOUNT                  NUMBER                := OKL_API.G_MISS_NUM,  
    REQUEST_ID                    NUMBER                := OKL_API.G_MISS_NUM,  
    TRANS_STATUS                  VARCHAR2(450)         := OKL_API.G_MISS_CHAR  
);
```

A.108 OKL_SIMPLE_PRICING_PVT.RESIDUAL_VALUES_REC

```
TYPE OKL_SIMPLE_PRICING_PVT.RESIDUAL_VALUES_REC IS RECORD (  
    P_CONTRACT_ID                NUMBER                := OKL_API.G_MISS_NUM,  
    P_MODEL_LINE_ID              NUMBER                := OKL_API.G_MISS_NUM,  
    P_RESIDUAL_PERCENT            NUMBER                := OKL_API.G_MISS_NUM,  
    P_RESIDUAL_AMOUNT             NUMBER                := OKL_API.G_MISS_NUM  
);
```

A.109 OKL_SIMPLE_PRICING_PVT.RULE_AMOUNTS_REC

```
TYPE OKL_SIMPLE_PRICING_PVT.RULE_AMOUNTS_REC IS RECORD (  
    CONTRACT_ID                  NUMBER                := OKL_API.G_MISS_NUM,  
    SERVICE_AMOUNT               NUMBER                := OKL_API.G_MISS_NUM,  
    FEE_AMOUNT                   NUMBER                := OKL_API.G_MISS_NUM  
);
```

A.110 OKL_SLX_PVT.SLXV_REC_TYPE

```
TYPE OKL_SLX_PVT.SLXV_REC_TYPE IS RECORD (  
    ID                           NUMBER                := OKL_API.G_MISS_NUM,  
    LPO_ID                      NUMBER                := OKL_API.G_MISS_NUM,  
    STY_ID                      NUMBER                := OKL_API.G_MISS_NUM,  
    OBJECT_VERSION_NUMBER        NUMBER                := OKL_API.G_MISS_NUM,  
    LATE_POLICY_EXEMPT_YN        VARCHAR2(1)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE_CATEGORY           VARCHAR2(90)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE1                   VARCHAR2(450)         := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE2                   VARCHAR2(450)         := OKL_API.G_MISS_CHAR,
```

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ATTRIBUTE3          VARCHAR2 (450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE4          VARCHAR2 (450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE5          VARCHAR2 (450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE6          VARCHAR2 (450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE7          VARCHAR2 (450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE8          VARCHAR2 (450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE9          VARCHAR2 (450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE10         VARCHAR2 (450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE11         VARCHAR2 (450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE12         VARCHAR2 (450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE13         VARCHAR2 (450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE14         VARCHAR2 (450)      := OKL_API.G_MISS_CHAR,
ATTRIBUTE15         VARCHAR2 (450)      := OKL_API.G_MISS_CHAR,
CREATED_BY          NUMBER              := OKL_API.G_MISS_NUM,
CREATION_DATE       DATE                := OKL_API.G_MISS_DATE,
LAST_UPDATED_BY     NUMBER              := OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE    DATE                := OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN   NUMBER              := OKL_API.G_MISS_NUM
);

```

A.111 OKL_SPP_PVT.SPPV_REC_TYPE

```

TYPE OKL_SPP_PVT.SPPV_REC_TYPE IS RECORD (
  ID                      NUMBER          := OKL_API.G_MISS_NUM,
  OBJECT_VERSION_NUMBER  NUMBER          := OKL_API.G_MISS_NUM,
  NAME                   VARCHAR2 (150)   := OKL_API.G_MISS_CHAR,
  VERSION                VARCHAR2 (24)    := OKL_API.G_MISS_CHAR,
  DATE_START             DATE             := OKL_API.G_MISS_DATE,
  DATE_END              DATE             := OKL_API.G_MISS_DATE,
  DESCRIPTION            VARCHAR2 (1995)  := OKL_API.G_MISS_CHAR,
  SPS_CODE               VARCHAR2 (30)    := OKL_API.G_MISS_CHAR,
  DYP_CODE              VARCHAR2 (30)    := OKL_API.G_MISS_CHAR,
  ARRAY_YN              VARCHAR2 (30)    := OKL_API.G_MISS_CHAR,
  XML_TAG               VARCHAR2 (120)    := OKL_API.G_MISS_CHAR,
  ATTRIBUTE_CATEGORY     VARCHAR2 (90)    := OKL_API.G_MISS_CHAR,
  ATTRIBUTE1            VARCHAR2 (450)    := OKL_API.G_MISS_CHAR,
  ATTRIBUTE2            VARCHAR2 (450)    := OKL_API.G_MISS_CHAR,
  ATTRIBUTE3            VARCHAR2 (450)    := OKL_API.G_MISS_CHAR,
  ATTRIBUTE4            VARCHAR2 (450)    := OKL_API.G_MISS_CHAR,
  ATTRIBUTE5            VARCHAR2 (450)    := OKL_API.G_MISS_CHAR,
  ATTRIBUTE6            VARCHAR2 (450)    := OKL_API.G_MISS_CHAR,
  ATTRIBUTE7            VARCHAR2 (450)    := OKL_API.G_MISS_CHAR,
  ATTRIBUTE8            VARCHAR2 (450)    := OKL_API.G_MISS_CHAR,

```

ATTRIBUTE9	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE10	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE11	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE12	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE13	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE14	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE15	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM

);

A.112 OKL_SRL_PVT.OKL_SIF_RET_LEVELS_V_REC_TYPE

TYPE OKL_SRL_PVT.OKL_SIF_RET_LEVELS_V_REC_TYPE IS RECORD (

ID	NUMBER	:= OKL_API.G_MISS_NUM,
LEVEL_INDEX_NUMBER	NUMBER	:= OKL_API.G_MISS_NUM,
NUMBER_OF_PERIODS	NUMBER	:= OKL_API.G_MISS_NUM,
SIR_ID	NUMBER	:= OKL_API.G_MISS_NUM,
INDEX_NUMBER	NUMBER	:= OKL_API.G_MISS_NUM,
LEVEL_TYPE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
AMOUNT	NUMBER	:= OKL_API.G_MISS_NUM,
ADVANCE_OR_ARREARS	VARCHAR2 (10)	:= OKL_API.G_MISS_CHAR,
PERIOD	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
LOCK_LEVEL_STEP	VARCHAR2 (10)	:= OKL_API.G_MISS_CHAR,
DAYS_IN_PERIOD	NUMBER	:= OKL_API.G_MISS_NUM,
FIRST_PAYMENT_DATE	DATE	:= OKL_API.G_MISS_DATE,
OBJECT_VERSION_NUMBER	NUMBER	:= OKL_API.G_MISS_NUM,
STREAM_INTERFACE_ATTRIBUTE1	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
STREAM_INTERFACE_ATTRIBUTE2	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
STREAM_INTERFACE_ATTRIBUTE3	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
STREAM_INTERFACE_ATTRIBUTE4	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
STREAM_INTERFACE_ATTRIBUTE5	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
STREAM_INTERFACE_ATTRIBUTE6	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
STREAM_INTERFACE_ATTRIBUTE7	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
STREAM_INTERFACE_ATTRIBUTE8	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
STREAM_INTERFACE_ATTRIBUTE9	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
STREAM_INTERFACE_ATTRIBUTE10	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
STREAM_INTERFACE_ATTRIBUTE11	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
STREAM_INTERFACE_ATTRIBUTE12	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
STREAM_INTERFACE_ATTRIBUTE13	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,

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        STREAM_INTERFACE_ATTRIBUTE14    VARCHAR2(450)      := OKL_API.G_MISS_CHAR,
        STREAM_INTERFACE_ATTRIBUTE15    VARCHAR2(450)      := OKL_API.G_MISS_CHAR,
        CREATION_DATE                   DATE               := OKL_API.G_MISS_DATE,
        CREATED_BY                       NUMBER            := OKL_API.G_MISS_NUM,
        LAST_UPDATE_DATE                 DATE               := OKL_API.G_MISS_DATE,
        LAST_UPDATED_BY                  NUMBER            := OKL_API.G_MISS_NUM,
        LAST_UPDATE_LOGIN                 NUMBER            := OKL_API.G_MISS_NUM
    );

```

A.113 OKL_SST_PVT.SSTV_REC_TYPE

```

TYPE OKL_SST_PVT.SSTV_REC_TYPE IS RECORD (
    ID                                NUMBER                := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER              NUMBER                := OKL_API.G_MISS_NUM,
    STY_ID                             NUMBER                := OKL_API.G_MISS_NUM,
    CAH_ID                             NUMBER                := OKL_API.G_MISS_NUM,
    ADD_YN                             VARCHAR2(3)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE_CATEGORY                 VARCHAR2(90)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE1                         VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE2                         VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE3                         VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE4                         VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE5                         VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE6                         VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE7                         VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE8                         VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE9                         VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE10                       VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE11                       VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE12                       VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE13                       VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE14                       VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    ATTRIBUTE15                       VARCHAR2(450)          := OKL_API.G_MISS_CHAR,
    CREATED_BY                         NUMBER                := OKL_API.G_MISS_NUM,
    CREATION_DATE                     DATE                  := OKL_API.G_MISS_DATE,
    LAST_UPDATED_BY                   NUMBER                := OKL_API.G_MISS_NUM,
    LAST_UPDATE_DATE                 DATE                  := OKL_API.G_MISS_DATE,
    LAST_UPDATE_LOGIN                 NUMBER                := OKL_API.G_MISS_NUM
);

```

A.114 OKL_STA_PVT.STAV_REC_TYPE

```
TYPE OKL_STA_PVT.STAV_REC_TYPE IS RECORD (  
    ID                                NUMBER                := OKL_API.G_MISS_NUM,  
    OBJECT_VERSION_NUMBER             NUMBER                := OKL_API.G_MISS_NUM,  
    STY_ID                            NUMBER                := OKL_API.G_MISS_NUM,  
    CAT_ID                            NUMBER                := OKL_API.G_MISS_NUM,  
    SEQUENCE_NUMBER                   NUMBER                := OKL_API.G_MISS_NUM,  
    ATTRIBUTE_CATEGORY                VARCHAR2(90)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE1                        VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE2                        VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE3                        VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE4                        VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE5                        VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE6                        VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE7                        VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE8                        VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE9                        VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE10                       VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE11                       VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE12                       VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE13                       VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE14                       VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
    ATTRIBUTE15                       VARCHAR2(450)          := OKL_API.G_MISS_CHAR,  
    STREAM_ALLC_TYPE                  VARCHAR2(10)          := OKL_API.G_MISS_CHAR,  
    CREATED_BY                        NUMBER                := OKL_API.G_MISS_NUM,  
    CREATION_DATE                     DATE                 := OKL_API.G_MISS_DATE,  
    LAST_UPDATED_BY                   NUMBER                := OKL_API.G_MISS_NUM,  
    LAST_UPDATE_DATE                  DATE                 := OKL_API.G_MISS_DATE,  
    LAST_UPDATE_LOGIN                 NUMBER                := OKL_API.G_MISS_NUM  
);
```

A.115 OKL_STY_PVT.STYV_REC_TYPE

```
TYPE OKL_STY_PVT.STYV_REC_TYPE IS RECORD (  
    ID                                NUMBER                := OKL_API.G_MISS_NUM,  
    NAME                              VARCHAR2(150)         := OKL_API.G_MISS_CHAR,  
    VERSION                           VARCHAR2(24)          := OKL_API.G_MISS_CHAR,  
    OBJECT_VERSION_NUMBER             NUMBER                := OKL_API.G_MISS_NUM,  
    CODE                              VARCHAR2(150)         := OKL_API.G_MISS_CHAR,  
    SFWT_FLAG                         VARCHAR2(3)           := OKL_API.G_MISS_CHAR,  
    STREAM_TYPE_SCOPE                 VARCHAR2(30)          := OKL_API.G_MISS_CHAR,  
    DESCRIPTION                       VARCHAR2(1995)        := OKL_API.G_MISS_CHAR,
```


START_DATE	DATE	:= OKL_API.G_MISS_DATE,
END_DATE	DATE	:= OKL_API.G_MISS_DATE,
BILLABLE_YN	VARCHAR2(30)	:= OKL_API.G_MISS_CHAR,
TAXABLE_DEFAULT_YN	VARCHAR2(30)	:= OKL_API.G_MISS_CHAR,
CUSTOMIZATION_LEVEL	VARCHAR2(30)	:= OKL_API.G_MISS_CHAR,
STREAM_TYPE_CLASS	VARCHAR2(30)	:= OKL_API.G_MISS_CHAR,
ACCRUAL_YN	VARCHAR2(30)	:= OKL_API.G_MISS_CHAR,
CAPITALIZE_YN	VARCHAR2(30)	:= OKL_API.G_MISS_CHAR,
PERIODIC_YN	VARCHAR2(30)	:= OKL_API.G_MISS_CHAR,
FUNDABLE_YN	VARCHAR2(30)	:= OKL_API.G_MISS_CHAR,
ALLOCATION_FACTOR	VARCHAR2(30)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE_CATEGORY	VARCHAR2(90)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE1	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE2	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE3	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE4	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE5	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE6	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE7	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE8	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE9	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE10	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE11	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE12	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE13	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE14	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE15	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM

);

A.116 OKL_SVF_PVT.SVFV_REC_TYPE

TYPE OKL_SVF_PVT.SVFV_REC_TYPE IS RECORD (		
ID	NUMBER	:= OKL_API.G_MISS_NUM,
OBJECT_VERSION_NUMBER	NUMBER	:= OKL_API.G_MISS_NUM,
SFWT_FLAG	VARCHAR2(3)	:= OKL_API.G_MISS_CHAR,
SRV_CODE	VARCHAR2(30)	:= OKL_API.G_MISS_CHAR,
NAME	VARCHAR2(150)	:= OKL_API.G_MISS_CHAR,
DESCRIPTION	VARCHAR2(1995)	:= OKL_API.G_MISS_CHAR,

AMOUNT	NUMBER	:= OKL_API.G_MISS_NUM,
START_DATE	DATE	:= OKL_API.G_MISS_DATE,
END_DATE	DATE	:= OKL_API.G_MISS_DATE,
ORGANIZATION_ID	NUMBER	:= OKL_API.G_MISS_NUM,
ATTRIBUTE_CATEGORY	VARCHAR2 (90)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE1	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE2	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE3	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE4	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE5	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE6	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE7	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE8	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE9	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE10	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE11	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE12	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE13	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE14	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE15	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM

);

A.117 OKL_SXP_PVT.SXPV_REC_TYPE

TYPE OKL_SXP_PVT.SXPV_REC_TYPE IS RECORD (		
ID	NUMBER	:= OKL_API.G_MISS_NUM,
INDEX_NUMBER1	NUMBER	:= OKL_API.G_MISS_NUM,
INDEX_NUMBER2	NUMBER	:= OKL_API.G_MISS_NUM,
VALUE	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
KHR_ID	NUMBER	:= OKL_API.G_MISS_NUM,
KLE_ID	NUMBER	:= OKL_API.G_MISS_NUM,
SIF_ID	NUMBER	:= OKL_API.G_MISS_NUM,
SPP_ID	NUMBER	:= OKL_API.G_MISS_NUM,
OBJECT_VERSION_NUMBER	NUMBER	:= OKL_API.G_MISS_NUM,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,

```

        LAST_UPDATE_LOGIN          NUMBER          := OKL_API.G_MISS_NUM
    );

```

A.118 OKL_TAB_PVT.TABV_REC_TYPE

```

TYPE OKL_TAB_PVT.TABV_REC_TYPE IS RECORD (
    ID                                NUMBER          := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER            NUMBER          := OKL_API.G_MISS_NUM,
    TEMPLATE_ID                      NUMBER          := OKL_API.G_MISS_NUM,
    CR_DR_FLAG                       VARCHAR2(30)    := OKL_API.G_MISS_CHAR,
    AE_LINE_TYPE                     VARCHAR2(30)    := OKL_API.G_MISS_CHAR,
    ORG_ID                           NUMBER          := OKL_API.G_MISS_NUM,
    SET_OF_BOOKS_ID                 NUMBER          := OKL_API.G_MISS_NUM,
    CODE_COMBINATION_ID              NUMBER          := OKL_API.G_MISS_NUM,
    CURRENCY_CODE                    VARCHAR2(3)      := OKL_API.G_MISS_CHAR,
    CURRENCY_CONVERSION_TYPE         VARCHAR2(30)    := OKL_API.G_MISS_CHAR,
    SOURCE_ID                         NUMBER          := OKL_API.G_MISS_NUM,
    SOURCE_TABLE                     VARCHAR2(30)    := OKL_API.G_MISS_CHAR,
    AMOUNT                           NUMBER          := OKL_API.G_MISS_NUM,
    ACCOUNTED_AMOUNT                 NUMBER          := OKL_API.G_MISS_NUM,
    GL_DATE                          DATE            := OKL_API.G_MISS_DATE,
    PERCENTAGE                       NUMBER          := OKL_API.G_MISS_NUM,
    COMMENTS                         VARCHAR2(1995)  := OKL_API.G_MISS_CHAR,
    POST_REQUEST_ID                  NUMBER          := OKL_API.G_MISS_NUM,
    CURRENCY_CONVERSION_DATE         DATE            := OKL_API.G_MISS_DATE,
    CURRENCY_CONVERSION_RATE         NUMBER          := OKL_API.G_MISS_NUM,
    ATTRIBUTE_CATEGORY               VARCHAR2(90)     := OKL_API.G_MISS_CHAR,
    ATTRIBUTE1                       VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
    ATTRIBUTE2                       VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
    ATTRIBUTE3                       VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
    ATTRIBUTE4                       VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
    ATTRIBUTE5                       VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
    ATTRIBUTE6                       VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
    ATTRIBUTE7                       VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
    ATTRIBUTE8                       VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
    ATTRIBUTE9                       VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
    ATTRIBUTE10                      VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
    ATTRIBUTE11                      VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
    ATTRIBUTE12                      VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
    ATTRIBUTE13                      VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
    ATTRIBUTE14                      VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
    ATTRIBUTE15                      VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
    REQUEST_ID                       NUMBER          := OKL_API.G_MISS_NUM,

```

PROGRAM_APPLICATION_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM,
AET_ID	NUMBER	:= OKL_API.G_MISS_NUM,
POSTED_YN	VARCHAR2(3)	:= OKL_API.G_MISS_CHAR,
AE_CREATION_ERROR	VARCHAR2(240)	:= OKL_API.G_MISS_CHAR,
GL_REVERSAL_FLAG	VARCHAR2(3)	:= OKL_API.G_MISS_CHAR,
REVERSE_EVENT_FLAG	VARCHAR2(3)	:= OKL_API.G_MISS_CHAR,
DRAFT_YN	VARCHAR2(3)	:= OKL_API.G_MISS_CHAR,
DRAFT_VERSION	NUMBER	:= OKL_API.G_MISS_NUM,
ORIGINAL_DIST_ID	NUMBER	:= OKL_API.G_MISS_NUM,
ACCOUNTING_EVENT_ID	NUMBER	:= OKL_API.G_MISS_NUM,
POST_TO_GL	VARCHAR2(30)	:= OKL_API.G_MISS_CHAR

);

A.119 OKL_TAI_PVT.TAIV_REC_TYPE

```
TYPE OKL_TAI_PVT.TAIV_REC_TYPE IS RECORD (  
    ID NUMBER := OKL_API.G_MISS_NUM,  
    OBJECT_VERSION_NUMBER NUMBER := OKL_API.G_MISS_NUM,  
    SFWT_FLAG VARCHAR2(3) := OKL_API.G_MISS_CHAR,  
    CURRENCY_CODE VARCHAR2(15) := OKL_API.G_MISS_CHAR,  
    KHR_ID NUMBER := OKL_API.G_MISS_NUM,  
    CRA_ID NUMBER := OKL_API.G_MISS_NUM,  
    TAP_ID NUMBER := OKL_API.G_MISS_NUM,  
    QTE_ID NUMBER := OKL_API.G_MISS_NUM,  
    TCN_ID NUMBER := OKL_API.G_MISS_NUM,  
    TAI_ID_REVERSES NUMBER := OKL_API.G_MISS_NUM,  
    IPY_ID NUMBER := OKL_API.G_MISS_NUM,  
    TRX_STATUS_CODE VARCHAR2(30) := OKL_API.G_MISS_CHAR,  
    SET_OF_BOOKS_ID NUMBER := OKL_API.G_MISS_NUM,  
    TRY_ID NUMBER := OKL_API.G_MISS_NUM,  
    IBT_ID NUMBER := OKL_API.G_MISS_NUM,  
    IXX_ID NUMBER := OKL_API.G_MISS_NUM,  
    IRM_ID NUMBER := OKL_API.G_MISS_NUM,  
    IRT_ID NUMBER := OKL_API.G_MISS_NUM,  
    SVF_ID NUMBER := OKL_API.G_MISS_NUM,  
    AMOUNT NUMBER := OKL_API.G_MISS_NUM,  

```

DATE_INVOICED	DATE	:= OKL_API.G_MISS_DATE,
AMOUNT_APPLIED	NUMBER	:= OKL_API.G_MISS_NUM,
DESCRIPTION	VARCHAR2 (1995)	:= OKL_API.G_MISS_CHAR,
TRX_NUMBER	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
CLG_ID	NUMBER	:= OKL_API.G_MISS_NUM,
CPY_ID	NUMBER	:= OKL_API.G_MISS_NUM,
ATTRIBUTE_CATEGORY	VARCHAR2 (90)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE1	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE2	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE3	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE4	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE5	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE6	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE7	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE8	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE9	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE10	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE11	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE12	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE13	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE14	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE15	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
DATE_ENTERED	DATE	:= OKL_API.G_MISS_DATE,
REQUEST_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_APPLICATION_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
ORG_ID	NUMBER	:= OKL_API.G_MISS_NUM,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM

);

A.120 OKL_TAL_PVT.TALV_REC_TYPE

```

TYPE OKL_TAL_PVT.TALV_REC_TYPE IS RECORD (
    ID                NUMBER                := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER NUMBER            := OKL_API.G_MISS_NUM,
    SFWT_FLAG         VARCHAR2 (3)          := OKL_API.G_MISS_CHAR,
    TAS_ID            NUMBER                := OKL_API.G_MISS_NUM,
    ILO_ID            NUMBER                := OKL_API.G_MISS_NUM,

```

ILO_ID_OLD	NUMBER	:= OKL_API.G_MISS_NUM,
IAY_ID	NUMBER	:= OKL_API.G_MISS_NUM,
IAY_ID_NEW	NUMBER	:= OKL_API.G_MISS_NUM,
KLE_ID	NUMBER	:= OKL_API.G_MISS_NUM,
DNZ_KHR_ID	NUMBER	:= OKL_API.G_MISS_NUM,
LINE_NUMBER	NUMBER	:= OKL_API.G_MISS_NUM,
ORG_ID	NUMBER	:= OKL_API.G_MISS_NUM,
TAL_TYPE	VARCHAR2 (10)	:= OKL_API.G_MISS_CHAR,
ASSET_NUMBER	VARCHAR2 (15)	:= OKL_API.G_MISS_CHAR,
DESCRIPTION	VARCHAR2 (1995)	:= OKL_API.G_MISS_CHAR,
FA_LOCATION_ID	NUMBER	:= OKL_API.G_MISS_NUM,
ORIGINAL_COST	NUMBER	:= OKL_API.G_MISS_NUM,
CURRENT_UNITS	NUMBER	:= OKL_API.G_MISS_NUM,
MANUFACTURER_NAME	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
YEAR_MANUFACTURED	NUMBER	:= OKL_API.G_MISS_NUM,
SUPPLIER_ID	NUMBER	:= OKL_API.G_MISS_NUM,
USED_ASSET_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
TAG_NUMBER	VARCHAR2 (40)	:= OKL_API.G_MISS_CHAR,
MODEL_NUMBER	VARCHAR2 (40)	:= OKL_API.G_MISS_CHAR,
CORPORATE_BOOK	VARCHAR2 (70)	:= OKL_API.G_MISS_CHAR,
DATE_PURCHASED	DATE	:= OKL_API.G_MISS_DATE,
DATE_DELIVERY	DATE	:= OKL_API.G_MISS_DATE,
IN_SERVICE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LIFE_IN_MONTHS	NUMBER	:= OKL_API.G_MISS_NUM,
DEPRECIATION_ID	NUMBER	:= OKL_API.G_MISS_NUM,
DEPRECIATION_COST	NUMBER	:= OKL_API.G_MISS_NUM,
DEPRN_METHOD	VARCHAR2 (12)	:= OKL_API.G_MISS_CHAR,
DEPRN_RATE	NUMBER	:= OKL_API.G_MISS_NUM,
SALVAGE_VALUE	NUMBER	:= OKL_API.G_MISS_NUM,
PERCENT_SALVAGE_VALUE	NUMBER	:= OKL_API.G_MISS_NUM,
ATTRIBUTE_CATEGORY	VARCHAR2 (90)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE1	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE2	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE3	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE4	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE5	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE6	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE7	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE8	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE9	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE10	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE11	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE12	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE13	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE14	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,

ATTRIBUTE15	VARCHAR2(450)	:= OKL_API.G_MISS_CHAR,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM,
DEPRECIATE_YN	VARCHAR2(3)	:= OKL_API.G_MISS_CHAR,
HOLD_PERIOD_DAYS	NUMBER	:= OKL_API.G_MISS_NUM,
OLD_SALVAGE_VALUE	NUMBER	:= OKL_API.G_MISS_NUM,
NEW_RESIDUAL_VALUE	NUMBER	:= OKL_API.G_MISS_NUM,
OLD_RESIDUAL_VALUE	NUMBER	:= OKL_API.G_MISS_NUM,
UNITS_RETIRED	NUMBER	:= OKL_API.G_MISS_NUM,
COST_RETIRED	NUMBER	:= OKL_API.G_MISS_NUM,
SALE_PROCEEDS	NUMBER	:= OKL_API.G_MISS_NUM,
REMOVAL_COST	NUMBER	:= OKL_API.G_MISS_NUM,
DNZ_ASSET_ID	NUMBER	:= OKL_API.G_MISS_NUM,
DATE_DUE	DATE	:= OKL_API.G_MISS_DATE,
REP_ASSET_ID	NUMBER	:= OKL_API.G_MISS_NUM,
LKE_ASSET_ID	NUMBER	:= OKL_API.G_MISS_NUM,
MATCH_AMOUNT	NUMBER	:= OKL_API.G_MISS_NUM,
SPLIT_INTO_SINGLES_FLAG	VARCHAR2(3)	:= OKL_API.G_MISS_CHAR,
SPLIT_INTO_UNITS	NUMBER	:= OKL_API.G_MISS_NUM

);

A.121 OKL_TAS_PVT.TASV_REC_TYPE

```

TYPE OKL_TAS_PVT.TASV_REC_TYPE IS RECORD (
  ID                      NUMBER          := OKL_API.G_MISS_NUM,
  OBJECT_VERSION_NUMBER   NUMBER          := OKL_API.G_MISS_NUM,
  ICA_ID                  NUMBER          := OKL_API.G_MISS_NUM,
  ATTRIBUTE_CATEGORY      VARCHAR2(90)    := OKL_API.G_MISS_CHAR,
  ATTRIBUTE1              VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
  ATTRIBUTE2              VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
  ATTRIBUTE3              VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
  ATTRIBUTE4              VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
  ATTRIBUTE5              VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
  ATTRIBUTE6              VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
  ATTRIBUTE7              VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
  ATTRIBUTE8              VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
  ATTRIBUTE9              VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
  ATTRIBUTE10             VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
  ATTRIBUTE11             VARCHAR2(450)   := OKL_API.G_MISS_CHAR,
  ATTRIBUTE12             VARCHAR2(450)   := OKL_API.G_MISS_CHAR,

```

ATTRIBUTE13	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE14	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE15	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
TAS_TYPE	VARCHAR2 (10)	:= OKL_API.G_MISS_CHAR,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM,
TSU_CODE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
TRY_ID	NUMBER	:= OKL_API.G_MISS_NUM,
DATE_TRANS_OCCURRED	DATE	:= OKL_API.G_MISS_DATE,
TRANS_NUMBER	NUMBER	:= OKL_API.G_MISS_NUM,
COMMENTS	VARCHAR2 (4000)	:= OKL_API.G_MISS_CHAR,
REQ_ASSET_ID	NUMBER	:= OKL_API.G_MISS_NUM,
TOTAL_MATCH_AMOUNT	NUMBER	:= OKL_API.G_MISS_NUM

);

A.122 OKL_TCL_PVT.TCLV_REC_TYPE

TYPE OKL_TCL_PVT.TCLV_REC_TYPE IS RECORD (		
ID	NUMBER	:= OKL_API.G_MISS_NUM,
OBJECT_VERSION_NUMBER	NUMBER	:= OKL_API.G_MISS_NUM,
STY_ID	NUMBER	:= OKL_API.G_MISS_NUM,
RCT_ID	NUMBER	:= OKL_API.G_MISS_NUM,
BTC_ID	NUMBER	:= OKL_API.G_MISS_NUM,
TCN_ID	NUMBER	:= OKL_API.G_MISS_NUM,
KHR_ID	NUMBER	:= OKL_API.G_MISS_NUM,
KLE_ID	NUMBER	:= OKL_API.G_MISS_NUM,
BEFORE_TRANSFER_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
LINE_NUMBER	NUMBER	:= OKL_API.G_MISS_NUM,
DESCRIPTION	VARCHAR2 (1995)	:= OKL_API.G_MISS_CHAR,
AMOUNT	NUMBER	:= OKL_API.G_MISS_NUM,
CURRENCY_CODE	VARCHAR2 (150)	:= OKL_API.G_MISS_CHAR,
GL_REVERSAL_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE_CATEGORY	VARCHAR2 (90)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE1	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE2	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE3	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE4	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE5	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE6	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE7	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,

ATTRIBUTE8	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE9	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE10	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE11	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE12	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE13	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE14	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE15	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
TCL_TYPE	VARCHAR2 (10)	:= OKL_API.G_MISS_CHAR,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
ORG_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_APPLICATION_ID	NUMBER	:= OKL_API.G_MISS_NUM,
REQUEST_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM,
AVL_ID	NUMBER	:= OKL_API.G_MISS_NUM,
BKT_ID	NUMBER	:= OKL_API.G_MISS_NUM,
KLE_ID_NEW	NUMBER	:= OKL_API.G_MISS_NUM,
PERCENTAGE	NUMBER	:= OKL_API.G_MISS_NUM

);

A.123 OKL_TCN_PVT.TCNV_REC_TYPE

```

TYPE OKL_TCN_PVT.TCNV_REC_TYPE IS RECORD (
    ID                                NUMBER                                := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER             NUMBER                                := OKL_API.G_MISS_NUM,
    RBR_CODE                          VARCHAR2 (30)                       := OKL_API.G_MISS_CHAR,
    RPY_CODE                          VARCHAR2 (30)                       := OKL_API.G_MISS_CHAR,
    RVN_CODE                          VARCHAR2 (30)                       := OKL_API.G_MISS_CHAR,
    TRN_CODE                          VARCHAR2 (30)                       := OKL_API.G_MISS_CHAR,
    KHR_ID_NEW                        NUMBER                                := OKL_API.G_MISS_NUM,
    PVN_ID                            NUMBER                                := OKL_API.G_MISS_NUM,
    PDT_ID                            NUMBER                                := OKL_API.G_MISS_NUM,
    QTE_ID                            NUMBER                                := OKL_API.G_MISS_NUM,
    AES_ID                            NUMBER                                := OKL_API.G_MISS_NUM,
    CODE_COMBINATION_ID              NUMBER                                := OKL_API.G_MISS_NUM,
    TAX_DEDUCTIBLE_LOCAL              VARCHAR2 (3)                         := OKL_API.G_MISS_CHAR,
    TAX_DEDUCTIBLE_CORPORATE          VARCHAR2 (3)                         := OKL_API.G_MISS_CHAR,
    DATE_ACCRUAL                      DATE                                := OKL_API.G_MISS_DATE,

```

ACCRUAL_STATUS_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
UPDATE_STATUS_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
AMOUNT	NUMBER	:= OKL_API.G_MISS_NUM,
CURRENCY_CODE	VARCHAR2 (150)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE_CATEGORY	VARCHAR2 (90)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE1	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE2	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE3	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE4	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE5	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE6	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE7	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE8	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE9	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE10	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE11	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE12	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE13	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE14	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE15	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
TCN_TYPE	VARCHAR2 (10)	:= OKL_API.G_MISS_CHAR,
RJN_CODE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
PARTY_REL_ID1_OLD	NUMBER	:= OKL_API.G_MISS_NUM,
PARTY_REL_ID2_OLD	VARCHAR2 (15)	:= OKL_API.G_MISS_CHAR,
PARTY_REL_ID1_NEW	NUMBER	:= OKL_API.G_MISS_NUM,
PARTY_REL_ID2_NEW	VARCHAR2 (15)	:= OKL_API.G_MISS_CHAR,
COMPLETE_TRANSFER_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
ORG_ID	NUMBER	:= OKL_API.G_MISS_NUM,
KHR_ID	NUMBER	:= OKL_API.G_MISS_NUM,
REQUEST_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_APPLICATION_ID	NUMBER	:= OKL_API.G_MISS_NUM,
KHR_ID_OLD	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM,
TRY_ID	NUMBER	:= OKL_API.G_MISS_NUM,
TSU_CODE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
SET_OF_BOOKS_ID	NUMBER	:= OKL_API.G_MISS_NUM,
DESCRIPTION	VARCHAR2 (1995)	:= OKL_API.G_MISS_CHAR,
DATE_TRANSACTION_OCCURRED	DATE	:= OKL_API.G_MISS_DATE,
TRX_NUMBER	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,

TMT_EVERGREEN_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
TMT_CLOSE_BALANCES_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
TMT_ACCOUNTING_ENTRIES_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
TMT_CANCEL_INSURANCE_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
TMT_ASSET_DISPOSITION_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
TMT_AMORTIZATION_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
TMT_ASSET_RETURN_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
TMT_CONTRACT_UPDATED_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
TMT_RECYCLE_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
TMT_VALIDATED_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
TMT_STREAMS_UPDATED_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
ACCRUAL_ACTIVITY	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR

);

A.124 OKL_TQL_PVT.TQLV_REC_TYPE

```
TYPE OKL_TQL_PVT.TQLV_REC_TYPE IS RECORD (
  ID                                NUMBER                                := OKL_API.G_MISS_NUM,
  OBJECT_VERSION_NUMBER            NUMBER                                := OKL_API.G_MISS_NUM,
  SFWT_FLAG                        VARCHAR2 (3)                        := OKL_API.G_MISS_CHAR,
  QLT_CODE                         VARCHAR2 (30)                       := OKL_API.G_MISS_CHAR,
  KLE_ID                           NUMBER                                := OKL_API.G_MISS_NUM,
  STY_ID                           NUMBER                                := OKL_API.G_MISS_NUM,
  QTE_ID                           NUMBER                                := OKL_API.G_MISS_NUM,
  LINE_NUMBER                      NUMBER                                := OKL_API.G_MISS_NUM,
  DESCRIPTION                      VARCHAR2 (1995)                    := OKL_API.G_MISS_CHAR,
  AMOUNT                           NUMBER                                := OKL_API.G_MISS_NUM,
  MODIFIED_YN                      VARCHAR2 (3)                        := OKL_API.G_MISS_CHAR,
  TAXED_YN                         VARCHAR2 (3)                        := OKL_API.G_MISS_CHAR,
  DEFAULTTED_YN                   VARCHAR2 (3)                        := OKL_API.G_MISS_CHAR,
  ATTRIBUTE_CATEGORY              VARCHAR2 (90)                       := OKL_API.G_MISS_CHAR,
  ATTRIBUTE1                      VARCHAR2 (450)                     := OKL_API.G_MISS_CHAR,
  ATTRIBUTE2                      VARCHAR2 (450)                     := OKL_API.G_MISS_CHAR,
  ATTRIBUTE3                      VARCHAR2 (450)                     := OKL_API.G_MISS_CHAR,
  ATTRIBUTE4                      VARCHAR2 (450)                     := OKL_API.G_MISS_CHAR,
  ATTRIBUTE5                      VARCHAR2 (450)                     := OKL_API.G_MISS_CHAR,
  ATTRIBUTE6                      VARCHAR2 (450)                     := OKL_API.G_MISS_CHAR,
  ATTRIBUTE7                      VARCHAR2 (450)                     := OKL_API.G_MISS_CHAR,
  ATTRIBUTE8                      VARCHAR2 (450)                     := OKL_API.G_MISS_CHAR,
  ATTRIBUTE9                      VARCHAR2 (450)                     := OKL_API.G_MISS_CHAR,
  ATTRIBUTE10                     VARCHAR2 (450)                     := OKL_API.G_MISS_CHAR,
  ATTRIBUTE11                     VARCHAR2 (450)                     := OKL_API.G_MISS_CHAR,
  ATTRIBUTE12                     VARCHAR2 (450)                     := OKL_API.G_MISS_CHAR,
```

ATTRIBUTE13	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE14	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE15	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ORG_ID	NUMBER	:= OKL_API.G_MISS_NUM,
REQUEST_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_APPLICATION_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM,
START_DATE	DATE	:= OKL_API.G_MISS_DATE,
PERIOD	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
NUMBER_OF_PERIODS	NUMBER	:= OKL_API.G_MISS_NUM,
LOCK_LEVEL_STEP	VARCHAR2 (10)	:= OKL_API.G_MISS_CHAR,
ADVANCE_OR_ARREARS	VARCHAR2 (10)	:= OKL_API.G_MISS_CHAR,
YIELD_NAME	VARCHAR2 (150)	:= OKL_API.G_MISS_CHAR,
YIELD_VALUE	NUMBER	:= OKL_API.G_MISS_NUM,
IMPLICIT_INTEREST_RATE	NUMBER	:= OKL_API.G_MISS_NUM

);

A.125 OKL_TRANSACTION_PVT.REV_REC_TYPE

```
TYPE OKL_TRANSACTION_PVT.REV_REC_TYPE IS RECORD (  
    CHR_ID                NUMBER                := OKL_API.G_MISS_NUM  
);
```

A.126 OKL_TRQ_PVT.TRQV_REC_TYPE

```
TYPE OKL_TRQ_PVT.TRQV_REC_TYPE IS RECORD (  
    ID                    NUMBER                := OKL_API.G_MISS_NUM,  
    OBJECT1_ID1          VARCHAR2 (40)         := OKL_API.G_MISS_CHAR,  
    OBJECT1_ID2          VARCHAR2 (200)        := OKL_API.G_MISS_CHAR,  
    JTOT_OBJECT1_CODE    VARCHAR2 (30)         := OKL_API.G_MISS_CHAR,  
    DNZ_KHR_ID           NUMBER                := OKL_API.G_MISS_NUM,  
    REQUEST_TYPE_CODE    VARCHAR2 (30)         := OKL_API.G_MISS_CHAR,  
    APPLY_TO_CODE        VARCHAR2 (30)         := OKL_API.G_MISS_CHAR,  
    START_DATE           DATE                  := OKL_API.G_MISS_DATE,  
    END_DATE             DATE                  := OKL_API.G_MISS_DATE,  
    TERM_DURATION        NUMBER                := OKL_API.G_MISS_NUM,
```

AMOUNT	NUMBER	:= OKL_API.G_MISS_NUM,
CURRENCY_CODE	VARCHAR2 (15)	:= OKL_API.G_MISS_CHAR,
SUBSIDY_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
CASH_APPLIED_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
OBJECT_VERSION_NUMBER	NUMBER	:= OKL_API.G_MISS_NUM,
ATTRIBUTE_CATEGORY	VARCHAR2 (90)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE1	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE2	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE3	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE4	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE5	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE6	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE7	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE8	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE9	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE10	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE11	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE12	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE13	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE14	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE15	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ORG_ID	NUMBER	:= OKL_API.G_MISS_NUM,
REQUEST_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_APPLICATION_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM,
MINIMUM_RATE	NUMBER	:= OKL_API.G_MISS_NUM,
MAXIMUM_RATE	NUMBER	:= OKL_API.G_MISS_NUM,
TOLERANCE	NUMBER	:= OKL_API.G_MISS_NUM,
ADJUSTMENT_FREQUENCY_CODE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
BASE_RATE	NUMBER	:= OKL_API.G_MISS_NUM,
INDEX_NAME	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
VARIABLE_METHOD_CODE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
ADDER	NUMBER	:= OKL_API.G_MISS_NUM,
DAYS_IN_YEAR	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
DAYS_IN_MONTH	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
INTEREST_METHOD_CODE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
INTEREST_START_DATE	DATE	:= OKL_API.G_MISS_DATE,
METHOD_OF_CALCULATION_CODE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
REQUEST_NUMBER	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,

DATE_OF_CONVERSION	DATE	:= OKL_API.G_MISS_DATE,
VARIABLE_RATE_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
REQUEST_STATUS_CODE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
YIELD	NUMBER	:= OKL_API.G_MISS_NUM,
RESIDUAL	NUMBER	:= OKL_API.G_MISS_NUM,
COMMENTS	VARCHAR2 (1995)	:= OKL_API.G_MISS_CHAR,
PAYMENT_FREQUENCY_CODE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
RESTRUCTURE_DATE	DATE	:= OKL_API.G_MISS_DATE,
PAST_DUE_YN	VARCHAR2 (3)	:= OKL_API.G_MISS_CHAR,
REQUEST_REASON_CODE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
PARENT_KHR_ID	NUMBER	:= OKL_API.G_MISS_NUM,
YIELD_TYPE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
PAYMENT_AMOUNT	NUMBER	:= OKL_API.G_MISS_NUM,
PAYMENT_DATE	DATE	:= OKL_API.G_MISS_DATE,
PAYDOWN_TYPE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR

);

A.127 OKL_TRY_PVT.TRYV_REC_TYPE

```
TYPE OKL_TRY_PVT.TRYV_REC_TYPE IS RECORD (  
    ID NUMBER := OKL_API.G_MISS_NUM,  
    OBJECT_VERSION_NUMBER NUMBER := OKL_API.G_MISS_NUM,  
    SFWT_FLAG VARCHAR2 (3) := OKL_API.G_MISS_CHAR,  
    AEP_CODE VARCHAR2 (30) := OKL_API.G_MISS_CHAR,  
    ILC_ID NUMBER := OKL_API.G_MISS_NUM,  
    TRY_ID NUMBER := OKL_API.G_MISS_NUM,  
    TRY_ID_FOR NUMBER := OKL_API.G_MISS_NUM,  
    TRY_TYPE VARCHAR2 (30) := OKL_API.G_MISS_CHAR,  
    NAME VARCHAR2 (150) := OKL_API.G_MISS_CHAR,  
    DESCRIPTION VARCHAR2 (1995) := OKL_API.G_MISS_CHAR,  
    CONTRACT_HEADER_LINE_FLAG VARCHAR2 (3) := OKL_API.G_MISS_CHAR,  
    TRANSACTION_HEADER_LINE_DETAIL VARCHAR2 (3) := OKL_API.G_MISS_CHAR,  
    ORG_ID NUMBER := OKL_API.G_MISS_NUM,  
    CREATED_BY NUMBER := OKL_API.G_MISS_NUM,  
    CREATION_DATE DATE := OKL_API.G_MISS_DATE,  
    LAST_UPDATED_BY NUMBER := OKL_API.G_MISS_NUM,  
    LAST_UPDATE_DATE DATE := OKL_API.G_MISS_DATE,  
    LAST_UPDATE_LOGIN NUMBER := OKL_API.G_MISS_NUM,  
    TRX_TYPE_CLASS VARCHAR2 (30) := OKL_API.G_MISS_CHAR  
);
```

A.128 OKL_XPI_PVT.XPIV_REC_TYPE

```

TYPE OKL_XPI_PVT.XPIV_REC_TYPE IS RECORD (
    ID                                NUMBER                := OKL_API.G_MISS_NUM,
    OBJECT_VERSION_NUMBER             NUMBER                := OKL_API.G_MISS_NUM,
    SFWT_FLAG                         VARCHAR2(3)           := OKL_API.G_MISS_CHAR,
    TRX_STATUS_CODE                   VARCHAR2(30)          := OKL_API.G_MISS_CHAR,
    INVOICE_ID                       NUMBER                 := OKL_API.G_MISS_NUM,
    INVOICE_NUM                      VARCHAR2(150)          := OKL_API.G_MISS_CHAR,
    INVOICE_TYPE                     VARCHAR2(75)           := OKL_API.G_MISS_CHAR,
    INVOICE_DATE                     DATE                   := OKL_API.G_MISS_DATE,
    VENDOR_ID                        NUMBER                 := OKL_API.G_MISS_NUM,
    VENDOR_SITE_ID                   NUMBER                 := OKL_API.G_MISS_NUM,
    INVOICE_AMOUNT                   NUMBER                 := OKL_API.G_MISS_NUM,
    INVOICE_CURRENCY_CODE            VARCHAR2(45)           := OKL_API.G_MISS_CHAR,
    TERMS_ID                         NUMBER                 := OKL_API.G_MISS_NUM,
    DESCRIPTION                      VARCHAR2(720)          := OKL_API.G_MISS_CHAR,
    SOURCE                           VARCHAR2(240)          := OKL_API.G_MISS_CHAR,
    WORKFLOW_FLAG                   VARCHAR2(3)             := OKL_API.G_MISS_CHAR,
    DOC_CATEGORY_CODE               VARCHAR2(90)            := OKL_API.G_MISS_CHAR,
    PAYMENT_METHOD                  VARCHAR2(75)           := OKL_API.G_MISS_CHAR,
    GL_DATE                         DATE                   := OKL_API.G_MISS_DATE,
    ACCTS_PAY_CC_ID                 NUMBER                 := OKL_API.G_MISS_NUM,
    PAY_ALONE_FLAG                  VARCHAR2(3)             := OKL_API.G_MISS_CHAR,
    WAIT_VENDOR_INVOICE_YN          VARCHAR2(3)            := OKL_API.G_MISS_CHAR,
    STREAM_TYPE                     VARCHAR2(150)           := OKL_API.G_MISS_CHAR,
    PAYABLES_INVOICE_ID             NUMBER                 := OKL_API.G_MISS_NUM,
    ATTRIBUTE_CATEGORY              VARCHAR2(90)            := OKL_API.G_MISS_CHAR,
    ATTRIBUTE1                      VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE2                      VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE3                      VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE4                      VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE5                      VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE6                      VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE7                      VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE8                      VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE9                      VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE10                    VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE11                    VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE12                    VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE13                    VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE14                    VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    ATTRIBUTE15                    VARCHAR2(450)           := OKL_API.G_MISS_CHAR,
    REQUEST_ID                     NUMBER                 := OKL_API.G_MISS_NUM,
    PROGRAM_APPLICATION_ID           NUMBER                 := OKL_API.G_MISS_NUM,

```

PROGRAM_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
ORG_ID	NUMBER	:= OKL_API.G_MISS_NUM,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM,
PAY_GROUP_LOOKUP_CODE	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR,
VENDOR_INVOICE_NUMBER	VARCHAR2 (150)	:= OKL_API.G_MISS_CHAR,
NETTABLE_YN	VARCHAR2 (240)	:= OKL_API.G_MISS_CHAR

);

A.129 OKL_XSI_PVT.XSIV_REC_TYPE

```
TYPE OKL_XSI_PVT.XSIV_REC_TYPE IS RECORD (  
  ID NUMBER := OKL_API.G_MISS_NUM,  
  OBJECT_VERSION_NUMBER NUMBER := OKL_API.G_MISS_NUM,  
  SFWT_FLAG VARCHAR2 (3) := OKL_API.G_MISS_CHAR,  
  ISI_ID NUMBER := OKL_API.G_MISS_NUM,  
  TRX_DATE DATE := OKL_API.G_MISS_DATE,  
  CUSTOMER_ID NUMBER := OKL_API.G_MISS_NUM,  
  RECEIPT_METHOD_ID NUMBER := OKL_API.G_MISS_NUM,  
  TERM_ID NUMBER := OKL_API.G_MISS_NUM,  
  CURRENCY_CODE VARCHAR2 (30) := OKL_API.G_MISS_CHAR,  
  CUSTOMER_ADDRESS_ID NUMBER := OKL_API.G_MISS_NUM,  
  SET_OF_BOOKS_ID NUMBER := OKL_API.G_MISS_NUM,  
  RECEIVABLES_INVOICE_ID NUMBER := OKL_API.G_MISS_NUM,  
  CUST_TRX_TYPE_ID NUMBER := OKL_API.G_MISS_NUM,  
  INVOICE_MESSAGE VARCHAR2 (4000) := OKL_API.G_MISS_CHAR,  
  DESCRIPTION VARCHAR2 (4000) := OKL_API.G_MISS_CHAR,  
  XTRX_CONS_INVOICE_NUMBER VARCHAR2 (90) := OKL_API.G_MISS_CHAR,  
  XTRX_FORMAT_TYPE VARCHAR2 (150) := OKL_API.G_MISS_CHAR,  
  XTRX_PRIVATE_LABEL VARCHAR2 (4000) := OKL_API.G_MISS_CHAR,  
  REFERENCE_LINE_ID NUMBER := OKL_API.G_MISS_NUM,  
  CUSTOMER_BANK_ACCOUNT_ID NUMBER := OKL_API.G_MISS_NUM,  
  TRX_NUMBER VARCHAR2 (240) := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE_CATEGORY VARCHAR2 (90) := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE1 VARCHAR2 (450) := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE2 VARCHAR2 (450) := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE3 VARCHAR2 (450) := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE4 VARCHAR2 (450) := OKL_API.G_MISS_CHAR,  
  ATTRIBUTE5 VARCHAR2 (450) := OKL_API.G_MISS_CHAR,  
);
```

ATTRIBUTE6	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE7	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE8	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE9	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE10	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE11	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE12	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE13	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE14	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
ATTRIBUTE15	VARCHAR2 (450)	:= OKL_API.G_MISS_CHAR,
REQUEST_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_APPLICATION_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_ID	NUMBER	:= OKL_API.G_MISS_NUM,
PROGRAM_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
ORG_ID	NUMBER	:= OKL_API.G_MISS_NUM,
CREATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
CREATION_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATED_BY	NUMBER	:= OKL_API.G_MISS_NUM,
LAST_UPDATE_DATE	DATE	:= OKL_API.G_MISS_DATE,
LAST_UPDATE_LOGIN	NUMBER	:= OKL_API.G_MISS_NUM,
TRX_STATUS_CODE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
TAX_EXEMPT_FLAG	VARCHAR2 (1)	:= OKL_API.G_MISS_CHAR,
TAX_EXEMPT_REASON_CODE	VARCHAR2 (30)	:= OKL_API.G_MISS_CHAR,
XTRX_INVOICE_PULL_YN	VARCHAR2 (1)	:= OKL_API.G_MISS_CHAR

);

