Structure Remittance Configuration Guide

Oracle Banking Digital Experience

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1 Preface

1.1 Intended Audience

This document is intended for the following audience:

- Customers
- Partners

1.2 Documentation Accessibility

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1.4 Structure

This manual is organized into the following categories:

Preface gives information on the intended audience. It also describes the overall structure of the User Manual.

Introduction provides brief information on the overall functionality covered in the User Manual.

The subsequent chapters provide information on transactions covered in the User Manual.

Each transaction is explained in the following manner:

- Database Configuration
- Properties Configuration

1.5 Related Information Sources

For more information on Oracle Banking Digital Experience Release 21.1.0.0.0, refer to the following documents:

- Oracle Banking Digital Experience Licensing Guide
- Oracle Banking Digital Experience Installation Manual

2 Overview

This document provides the necessary steps to configure structured remittance entries for the system. The use of the structured form of the remittance information element is to provide more information on why a payment or remittance is being made. The configuration involves two main aspects:

2.1 Database Configurations

A configuration entry must be presented in the DIGX_FW_CONFIG_VAR_B table to define the SWIFT ISO format type (MT or MX) for a given entity.

Subsequently, Records need to be inserted into the DIGX_PY_REMITTANCE_CONFIG and DIGX_PY_REMITTANCE_CODE_MAPPING tables. The DIGX_PY_REMITTANCE_CONFIG table stores the data required to configure structured remittance settings, while the DIGX_PY_REMITTANCE_CODE_MAPPING table holds the code sets published by the ISO 20022 standard and maps them to the primary key of the configuration table.

2.2 Properties Configurations

Corresponding key-value entries should be added to the StrdRemittanceConfig.properties file. These entries ensure proper display names and translations for different structured remittance fields in the user interface.

3 Database Configurations

All configurations are explained below in sequence. To ensure successful structured remittance configuration all the steps must be followed carefully.

3.1 DIGX_FW_CONFIG_VAR_B table

Before inserting entries for structured remittance configuration into the respective tables, you must first check whether the SWIFT ISO format type entry is present in the DIGX_FW_CONFIG_VAR_B table. If it is not present, add the required entry:

Insert into DIGX_FW_CONFIG_VAR_B (PROP_ID,ENV_ID,PROP_VALUE,FACTORY_SHIPPED_FLAG,PROP_COMMENTS,CREATED_BY,CREATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE,OBJECT_STATUS,OBJECT_VERSION_NUMBER,MODULE,DETERMINANT_VALUE,TYPE,UI_DEFINITION) values

('SWIFT_MESSAGE_FORMAT','OBDX',<PROP_VALUE>,'Y','Configuration for ISO swift format','ofssuser',sysdate,'ofssuser',sysdate,null,null,'OTHERMODULE', <DETERMINANT_VALUE>,'TXT','{"title":"ISO SWIFT type(MT or MX)","validator":"ALPHABET","required":true,"message":"Specifies which ISO swift format is configured (MT or MX).","extension":{"type":"length","options":{"min":1,"max":2}}}');

Here, replace <PROP_VALUE> with:

- 'MX' - Based on the ISO 20022 standard, newer format is MX.
- 'MT' - Based on the ISO 15022 standard, older, legacy format is MT.

Also, replace <DETERMINANT_VALUE> with the target business entity (e.g., 'OBDX_BU')

Note: All other field values can be used as-is from the template above.

Sample Query

Insert into DIGX_FW_CONFIG_VAR_B (PROP_ID, ENV_ID,PROP_VALUE,FACTORY_SHIPPED_FLAG,PROP_COMMENTS,CREATED_BY,CREATION_DATE,LAST_UPDATED_BY,LAST_UPDATED_DATE,OBJECT_STATUS,OBJECT_VERSION_NUMBER,MODULE,DETERMINANT_VALUE,TYPE,UI_DEFINITION) values

('SWIFT_MESSAGE_FORMAT','OBDX','MX','Y','Configuration for ISO swift format','ofssuser',sysdate,'ofssuser',sysdate,null,null,'OTHERMODULE','OBDX_BU','TXT','{"title":"ISO SWIFT type(MT or MX)","validator":"ALPHABET","required":true,"message":"Specifies which ISO swift format is configured (MT or MX).","extension":{"type":"length","options":{"min":1,"max":2}}}');

3.2 DIGX_PY_REMITTANCE_CONFIG table

Each field is uniquely identified and linked to a determinant value (entity).

Insert Statement:

Insert into DIGX_PY_REMITTANCE_CONFIG (ID,NAME,PARENT_ID,IS_NESTED_TAB,DATA_TYPE,MIN_LENGTH,MAX_LENGTH,IS_MULTIPLE,REGEX,ENABLED,DETERMINANT_VALUE,ORDER_SEQ,TYPE,DTO_FIELD_NAME) values

('CdtrRefInf_Tp_Cd','Type
Code','CdtrRefInf','N','LOV',0,35,'N',null,'Y','OBDX_BU',1,null,'creditorReferenceInformation.types.code');

Column Descriptions:

COLUMN NAME	DESCRIPTION
ID	Primary key of the table. Unique identifier for each field in structured remittance configuration.
NAME	Name for each field in the structured remittance configuration.
PARENT_ID	This field represents the immediate parent of the id in a hierarchical structure.
IS_NESTED_TAB	Indicates if the field contains a nested structure
DATA_TYPE	Specifies the possible data types for the field
MIN_LENGTH	Specifies the minimum number of characters allowed in the field
MAX_LENGTH	Specifies the maximum number of characters allowed in the field
IS_MULTIPLE	Indicates whether the field can occur multiple times.
REGEX	Defines the regular expression pattern that the field's value must match for validation.
ENABLED	Indicates whether the field is active
DETERMINANT_VALUE	Determines the applicable entity.
ORDER_SEQ	Specifies the sequence of the field within an ordered structure.
TYPE	Indicates the structural type of the field, such as a TABLE, SECTION, or other layout element
DTO_FIELD_NAME	Represents the fully qualified path of the field within the Data Transfer Object (DTO) hierarchy, used for mapping nested structures

Here ID and DETERMINANT_VALUE together form a unique constraint.

3.3 DIGX_PY_REMITTANCE_CODE_MAPPING

This table maps the primary key (ID) from the DIGX_PY_REMITTANCE_CONFIG table to the relevant standard codes as per ISO 20022, based on the field to which the codes apply.

Insert Statement:

Insert into DIGX_PY_REMITTANCE_CODE_MAPPING
(FIELD_ID,CODE_ID,CODE_NAME,DETERMINANT_VALUE) values
('CdtrRefInf_Tp_Cd','RADM','RemittanceAdviceMessage','OBDX_BU');

Column Descriptions

COLUMN NAME	DESCRIPTION
FIELD_ID	Foreign key reference to DIGX_PY_REMITTANCE_CONFIG.ID.

CODE_ID	Primary key of the table. Unique identifier for each field.
CODE_NAME	Name for each field.
DETERMINANT_VALUE	Determines the applicable entity.

Here FIELD_ID, CODE_ID and DETERMINANT_VALUE together form a unique constraint.

Note: Sample scripts for the DIGX_PY_REMITTANCE_CONFIG and DIGX_PY_REMITTANCE_CODE_MAPPING tables have been committed to SVN to provide a comprehensive understanding of how to use the configuration to set up structured remittance and enhance the user interface.

4 Properties Configurations

To support multilingual and user-friendly labels for structured remittance fields, entries must be added to the StrdRemittanceConfig.properties file.

4.1 Structured Remittance Field Configuration

Each field entry from DIGX_PY_REMITTANCE_CONFIG must have a corresponding key-value pair in StrdRemittanceConfig.properties. Whenever an entry is made in the table corresponding entry has to be made in properties file to facilitate translation.

- Key: ID column value from DIGX_PY_REMITTANCE_CONFIG
- Value: NAME column value from DIGX_PY_REMITTANCE_CONFIG

Example:

AddtlRmtInf= Additional Remittance Info

4.2 Structured Remittance Code Set Mapping Configuration

Each field used in DIGX_PY_REMITTANCE_CODE_MAPPING should have a corresponding key-value pair in StrdRemittanceConfig.properties. Whenever an entry is made in the table corresponding entry has to be made in properties file to facilitate translation.

- **Key:** DETERMINANT_VALUE (Entity) + . + FIELD_ID + . + CODE_ID column value from DIGX_PY_REMITTANCE_CODE_MAPPING
- **Value:** CODE_NAME column value from DIGX_PY_REMITTANCE_CODE_MAPPING

Example:

OBDX_BU.CdtrRefInf_Tp_Cd.RADM=Remittance Advice Message

OBDX_BU.RfrdDocAmt_DscntApldAmt_Tp_Cd.STDS=Standing Discount.

These entries allow proper localization and user-friendly naming within the application UI.