

Oracle Financial Services

CRR Framework

User Guide

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ORACLE[®]
Financial Services

OFS CRR Framework User Guide

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Document Control

Table 1: Document Control

Version Number	Revision Date	Change Log
1.0	March 2022	There are no content changes to this guide in this release.

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1 About This Guide

The *Compliance Regulatory Reporting Framework User Guide* explains the concepts behind the Oracle Financial Services Compliance Regulatory Reporting Framework application developed to minimize the effort required to create various templates, to avoid mismatch of templates, and where the maximum process to develop the application can be automated.

This chapter discusses the following topics:

- [Who Should Use this Guide](#)
- [How this Guide is Organized](#)
- [Where to Find More Information](#)

1.1 Who Should Use this Guide

The *Oracle Financial Services Compliance Regulatory Reporting User Guide* is designed for consulting or development team to produce the reports with very minimum effort and coding required.

1.2 How this Guide is Organized

The *Oracle Financial Services Compliance Regulatory Reporting User Guide BD STRRW STR UG STR* includes the following topics:

- [Chapter 1, Source Mapping](#), provides details about Data Transfer XSD process.
- [Chapter 2, Target Mapping](#), provides details about Target Mapping process.
- [Chapter 4, Validation](#), provides details about Validation process.
- [Chapter 5, Final Report Generation XML](#), provides details about Report Generation Metadata XML process.
- [Chapter 6, Acknowledgment](#), provides details about Acknowledgment process.

1.3 Where to Find More Information

For additional information about the Oracle Financial Services Compliance Regulatory Reporting, refer to the following documents:

- Oracle Financial Services Compliance Regulatory Reporting User Guide
- Oracle Financial Services Compliance Regulatory Reporting Administration Guide

To find additional information about how Oracle Financial Services solves real business problems, see our website at www.oracle.com/financialservices.

1.4 Conventions Used in this Guide

1 lists the conventions used in this guide.

Convention	Meaning
Italics	<ul style="list-style-type: none">• Names of books, chapters, and sections as references• Emphasis

Convention	Meaning
Bold	<ul style="list-style-type: none">• Object of an action (menu names, field names, options, button names) in a step-by-step procedure• Commands typed at a prompt• User input
Monospace	<ul style="list-style-type: none">• Directories and subdirectories• File names and extensions• Process names• Code sample, including keywords and variables within text and as separate paragraphs, and user-defined program elements within text
Asterisk	Mandatory fields in User Interface
<Variable>	Substitute input value

1 Source Mapping

This chapter provides an overview on the Source Mapping feature of CRR framework.

This chapter covers the following topics:

- [Introduction](#)
- [Managing Source Mapping](#)

1.1 Introduction

This module allows the user to configure the mappings from the source system to generic XSD. Here Source System is the Business System or in our case ECM that contains all the data that is present in staging area. CRR application uses the subset of the superset of data maintained in source system. CRR application uses the Generic XSD to communicate with the Source System. This Generic XSD represents the subset of the data that will be extracted from the source system for CRR.

This module helps us to map the table columns from the Source System to the tags in generic XSD.

1.2 Managing Source Mapping

To validate if the data is correct and can be submitted to the regulator, follow these steps:

1. Login to the OFSAA application.
2. Select **Financial Services Regulatory Reporting** from the *Select Application* menu.
3. Select the STR as per your requirement.
4. Mouse over the Administration menu and click **Configuration Upload**.

Figure 1: Configuration Details page

Name	Description	Configuration Type	Report Type	Status	Application Name
<input type="checkbox"/> Target mapping for RU STR -...	Target mapping for RU STR - ECM	Target Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_ECM
<input type="checkbox"/> Target Mapping for RUSTR AML	Target Mapping for RUSTR AML	Target Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_AML
<input type="checkbox"/> Acknowledgement Russain Fix...	Acknowledgement Russain Fixed Length	Acknowledgement Mapping	Suspicious Transaction Report - Russian STR	Acknowledged	OFS_RRS
<input type="checkbox"/> Acknowledgement Upload	Acknowledgement Upload	Acknowledgement Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_RRS
<input type="checkbox"/> Source Mapping for RU STR-CM	Source Mapping for RU STR-CM	Data Transfer XSD	Suspicious Transaction Report - Russian STR	Open	OFS_ECM
<input type="checkbox"/> Source mapping for RU STR	Source mapping for RU STR-AM	Data Transfer XSD	Suspicious Transaction Report - Russian STR	Open	OFS_AML
<input type="checkbox"/> Russian STR Validation 1	Russian STR Validation 1	Validation Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_RRS
<input type="checkbox"/> Indian STR Validation	Indian STR Validation	Validation Mapping	Suspicious Transaction Report - Indian STR	Open	OFS_RRS
<input type="checkbox"/> RUSTR Efile Configuration	RUSTR 321_P Efile XML Configuration	Report Generation Metadata - XML	Suspicious Transaction Report - Russian STR	Open	OFS_RRS
<input type="checkbox"/> IN STR Efile Configuration	IN STR Efile Configuration	Report Generation Metadata - XML	Suspicious Transaction Report - Indian STR	Open	OFS_RRS

The following actions are performed in source mapping:

- [Configuration Upload for Source Generic XSD](#)
- [Mappings for Generic XSD](#)

1.2.1 Configuration Upload for Source Generic XSD

The application uses Generic XSD to interact with Am/ECM system. Am/ECM system acts as a source and provides business data to CRR application. When user performs its investigation and concludes that they have to submit this case/alert as Suspicious Transaction Report to the regulator. They raise an STR using Generate STR action.

The following are the steps in configuration upload for Source Generic XSD:

1. To generate configuration upload for Source Generic XSD, navigate to Configuration Details page.
2. Click **Create Configuration**. The Configuration upload window is open.

Figure 2: Configuration Upload Window

The screenshot shows a web browser window titled "Configuration Upload". The window contains the following fields and controls:

- Name * ?**: A text input field.
- Description ?**: A text input field.
- Report Type * ?**: A dropdown menu with "STR-MY" selected.
- Document Type * ?**: A dropdown menu with "Data Transfer XSD" selected.
- Application Type * ?**: A dropdown menu with "OFS_ECM" selected.
- Metadata Excel * ?**: A text input field with a "Browse" button next to it.
- Save** and **Close** buttons at the bottom right.

3. Enter the details given in the below table:

Table 1: Configuration Upload Window Details

Fields	Description
Name	Enter the name for the report.
Description	Enter the description for the report.
Report Type	Select the report type from the drop-down list.
Document Type	Select the document type from the drop-down list.
Application Type	Select the application type from the drop-down list.
Metadata Excel	<p>Click Browse to attach the XSD file saved in your local system.</p> <p>NOTE: Download XSD file from the MOS page.</p> <p>Once it is uploaded fct_configuration_hdr and fct_src_data_format tables are populated.</p> <p>NOTE: if any changes required in XSD, you can make changes and upload.</p> <p>fct_src_entity and fct_src_attribute are configurable tables, you need to write a join queries to fetch the data from ECM.</p> <p>Download the sample fct_src_entity and fct_src_attribute configuration files from (File Name - Source Target XSD) MOS page.</p>

4. Click **Save** to save the Source Generic XSD.
5. The created Data Transfer XSD is saved in the Configuration Details grid list.
6. Mark the check box for the created Data Transfer XSD, the details are shown below in the same window.

Figure 3: Data Transfer XSD details

Name	Description	Configuration Type	Report Type	Status	Application Name
<input type="checkbox"/> Target mapping for RU STR -...	Target mapping for RU STR - ECM	Target Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_ECM
<input type="checkbox"/> Target Mapping for RUSTR AML	Target Mapping for RUSTR AML	Target Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_AML
<input type="checkbox"/> Acknowledgement Russain Fix...	Acknowledgement Russain Fixed Length	Acknowledgement Mapping	Suspicious Transaction Report - Russian STR	Acknowledged	OFS_RRS
<input type="checkbox"/> Acknowledgement Upload	Acknowledgement Upload	Acknowledgement Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_RRS
<input type="checkbox"/> Source Mapping for RU STR-CM	Source Mapping for RU STR-CM	Data Transfer XSD	Suspicious Transaction Report - Russian STR	Open	OFS_ECM
<input checked="" type="checkbox"/> Source mapping for RU STR	Source mapping for RU STR-AM	Data Transfer XSD	Suspicious Transaction Report - Russian STR	Open	OFS_AML
<input type="checkbox"/> Russian STR Validation 1	Russian STR Validation 1	Validation Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_RRS
<input type="checkbox"/> Indian STR Validation	Indian STR Validation	Validation Mapping	Suspicious Transaction Report - Indian STR	Open	OFS_RRS
<input type="checkbox"/> RUSTR Efile Configuration	RUSTR 321_P Efile XML Configuration	Report Generation Metadata - XML	Suspicious Transaction Report - Russian STR	Open	OFS_RRS
<input type="checkbox"/> IN STR Efile Configuration	IN STR Efile Configuration	Report Generation Metadata - XML	Suspicious Transaction Report - Indian STR	Open	OFS_RRS

The following are the grids in Data Transfer XSD:

- Search
- Complex Types Grid
- Managing Complex Types

1.2.1.1 Search

This field enables the user to search the complex type based on few entities. There are two fields given in the search grid. This can be used to search the complex types based on ID and Entity Name.

Figure 4: Search Grid

Table 2: Search Grid Details

Fields	Description
ID	Enter the ID number of the complex type
Entity Name	Enter the Entity name of the complex type

1.2.1.2 Complex Types Grid

This section displays the list of types fetched from the Metadata excel uploaded while creating the Data Transfer XSD:

Figure 5: Complex Types Grid

Complex Types (32)		
Unwrap		
<input type="checkbox"/>	ID	Entity Name
<input type="checkbox"/>	12729	ReportType
<input type="checkbox"/>	12731	InvestigationReferenceId
<input type="checkbox"/>	12733	FocusID
<input type="checkbox"/>	12735	FocalEntityName
<input type="checkbox"/>	12737	RequestedBy

Table 3: Complex Types Grid

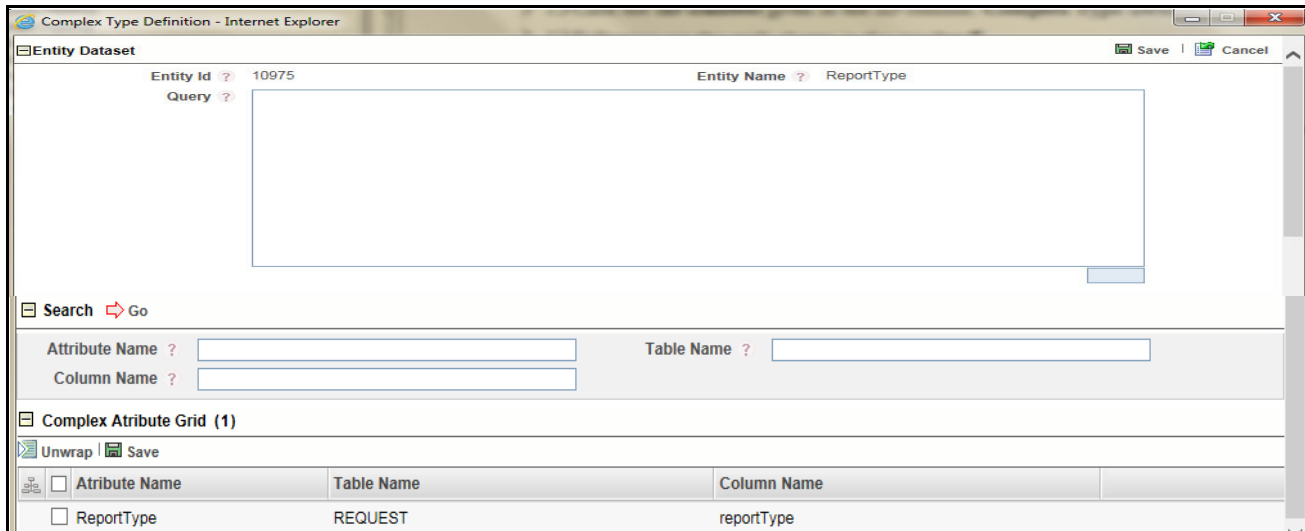
Fields	Description
ID	This column displays the ID number of the Output Configuration
Entity Name	This column displays the Entity name of the Output Configuration

1.2.1.3 Managing Complex Types

The complex type grid shows all the types fetched from the Metadata excel uploaded while creating the Data Transfer XSD. Each Element of Generic XSD indicates the table and each attribute in generic XSD indicates the column of that table. So we receive the data from tables and columns of Business Data from source system. To view or edit the details follow the below given steps:

1. Click the **ID number** given in the ID column. **Complex Type Definition** window is open.
2. The following are the grids shown in the window:
 - Entity Dataset Grid
 - Search Grid
 - Complex Attribute Grid

Figure 6: Complex Type Definition Window



1.2.1.3.1 Entity Dataset Grid

This grid has three fields Entity Id, Entity Name and Query. The details are displayed here, the Entity Id and Entity name cannot be edited. Query can be added as required.

1.2.1.3.2 Search Grid

This field enables the user to search the complex type based on few entities. This grid has three fields Attribute Name, Table Name and Column Name. These fields can be used to search the attributes from the various attributes available in the complex attribute grid.

1.2.1.3.3 Complex Attribute Grid

This grid displays the number of attributes available in this Id. The table name and the column name can be edited in the list

Figure 7: Complex Attribute Grid

Attribute Name	Table Name	Column Name
<input checked="" type="checkbox"/> ReportType	REQUEST	reportType

Table 4: Complex Attribute Grid Details

Fields	Description
Attribute Name	This column displays the attribute name.
Table Name	This column displays the Table name. Once the attribute is selected this field editable.
Column Name	This column displays the Column name. Once the attribute is selected this field editable.

Click **Save** to save the changes done for the attribute.

3. Click **Save** to save the changes done in the Complex Type Definition window.

1.2.2 Mappings for Generic XSD

Once this document is uploaded, it will create a row in configuration lists. Following are the steps:

1. When user clicks on that row they will be able to check the elements and attributes that a module was able to recognize automatically.
2. Now click on ID of an element, this opens a popup.
3. In the popup user provides the query to get data in this element. In the popup user can also be able to see the underlying attributes for selected element.
4. User can then provide Table Column Mapping for each attribute for this element.

User have to take care of the following while providing the mapping:

- The names of attribute matches with the name of column for that table, so user can then recognize which table column to map for this attribute.
- If user want to map some extra table column which is not present as a separate attribute please use Custom Fields for that data type.
- User needs to make sure that Data Type and Data Length to match for each attribute and table column mappings.

Once you have provided the mappings, click **Save** and **Submit** this module. This automatically performs the data ingestion process from the source system to generic XSD.

2 Target Mapping

This chapter provides an overview on the Target Mapping feature of CRR framework.

This chapter covers the following topics:

- [Introduction](#)
- [Managing Target Mapping UI](#)
- [Description of Excel Configuration Sheet](#)

2.1 Introduction

This module allows the user to configure the mappings from the Generic XSD to the Target System that is the CRR Data Model. Each tag/element of generic XSD will get mapped to table columns for CRR Data model. This Module with combination of Data Transfer XSD will help us to automate the entire data ingestion process.

2.2 Managing Target Mapping UI

To validate if the data is correct and can be submitted to the regulator, follow these steps:

1. Login to the OFSAA application.
2. Select **Financial Services Regulatory Reporting** from the *Select Application* menu.
3. Select the STR as per your requirement.
4. Mouse over the Administration menu and click **Configuration Upload**.

Figure 8: Configuration Details Page

Name	Description	Configuration Type	Report Type	Status	Application Name
<input type="checkbox"/> Target mapping for RU STR - ...	Target mapping for RU STR - ECM	Target Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_ECM
<input type="checkbox"/> Target Mapping for RUSTR AML	Target Mapping for RUSTR AML	Target Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_AML
<input type="checkbox"/> Acknowledgement Russain Fix...	Acknowledgement Russain Fixed Length	Acknowledgement Mapping	Suspicious Transaction Report - Russian STR	Acknowledged	OFS_RRS
<input type="checkbox"/> Acknowledgement Upload	Acknowledgement Upload	Acknowledgement Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_RRS
<input type="checkbox"/> Source Mapping for RU STR-CM	Source Mapping for RU STR-CM	Data Transfer XSD	Suspicious Transaction Report - Russian STR	Open	OFS_ECM
<input type="checkbox"/> Source mapping for RU STR	Source mapping for RU STR-AM	Data Transfer XSD	Suspicious Transaction Report - Russian STR	Open	OFS_AML
<input type="checkbox"/> Russian STR Validation 1	Russian STR Validation 1	Validation Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_RRS
<input type="checkbox"/> Indian STR Validation	Indian STR Validation	Validation Mapping	Suspicious Transaction Report - Indian STR	Open	OFS_RRS
<input type="checkbox"/> RUSTR Efile Configuration	RUSTR 321_P Efile XML Configuration	Report Generation Metadata - XML	Suspicious Transaction Report - Russian STR	Open	OFS_RRS
<input type="checkbox"/> IN STR Efile Configuration	IN STR Efile Configuration	Report Generation Metadata - XML	Suspicious Transaction Report - Indian STR	Open	OFS_RRS

Following are the actions which can be performed in Target Mapping:

- Configuration Upload for Target Mapping
- Description of Excel Configuration Sheet.

2.2.1 Configuring to Upload for Target Mapping

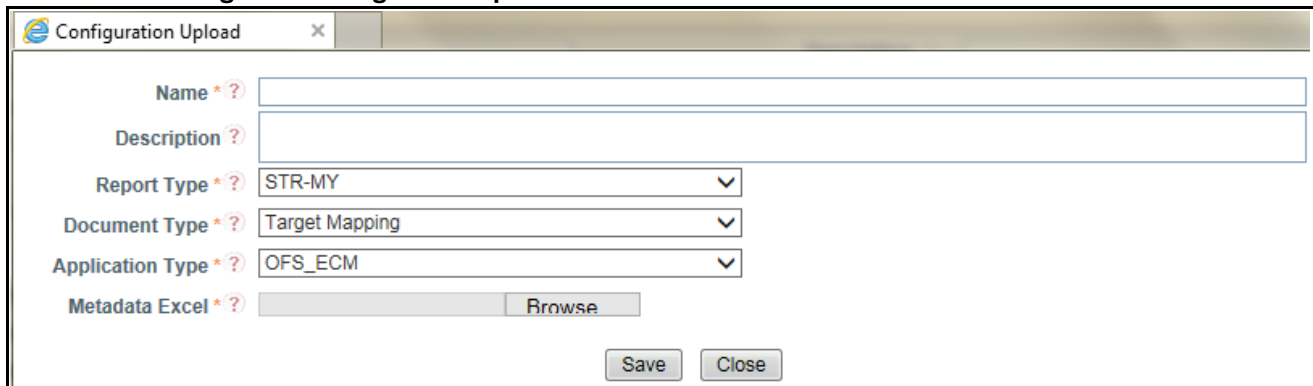
Target Mapping is the mapping the UI fields to CRR Data Model table and columns. This module uses Data Mapping sheet to get the mapping of each field to CRR Table/column. This is completely configurable and user provides all the details in Excel format.

The user provides the genericXSD which contains details the format in which data is transferred from AM/ECM source system. This document is uploaded using Upload Configuration feature when user does Create Configuration action. User uploads this configuration separately for AM and CM system.

Following are the Following are the steps in configuration upload for Target Mapping:

1. To generate configuration upload for Target Mapping, navigate to Configuration Details page.
2. Click **Create Configuration**. The Configuration upload window is open.

Figure 9: Configuration Upload Window



The screenshot shows a web browser window titled "Configuration Upload". The window contains the following fields and controls:

- Name * ?**: A text input field.
- Description ?**: A text input field.
- Report Type * ?**: A dropdown menu with "STR-MY" selected.
- Document Type * ?**: A dropdown menu with "Target Mapping" selected.
- Application Type * ?**: A dropdown menu with "OFS_ECM" selected.
- Metadata Excel * ?**: A text input field followed by a "Browse" button.
- At the bottom right, there are "Save" and "Close" buttons.

3. Enter the details given in the below table:

Table 5: Configuration Upload Window Details

Fields	Description
Name	Enter the name for the report.
Description	Enter the description for the report.
Report Type	Select the report type from the drop-down list.
Document Type	Select the document type from the drop-down list.
Application Type	Select the application type from the drop-down list.
Metadata Excel	<p>Click Browse to attach the XSD file saved in your local system.</p> <p>NOTE: You need to create entry for target mapping in fct_configuration_hdr</p> <p>fct_crr_trg_entity_join, fct_crr_trg_entity_map, fct_crr_trg_src_trg_map are configurable tables, you need to write a join queries to seed the data into to CRR.</p> <p>Download the sample fct_crr_trg_entity_join, fct_crr_trg_entity_map, fct_crr_trg_src_trg_map, configuration files from (File Name - Source Target XSD) MOS page.</p>

4. Click **Save** to save the Target Mapping.
5. The created Target Mapping is saved in the Configuration Details grid list.
6. Mark the checkbox for the created Data Transfer XSD, the details are shown below in the same window.

Figure 10: Target Mapping details

Configuration Details (10)					
Unwrap Create Configuration Submit Close Download XSD Copy key not found Export					
Name	Description	Configuration Type	Report Type	Status	Application Name
<input checked="" type="checkbox"/> Target mapping for RU STR -...	Target mapping for RU STR - ECM	Target Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_ECM
<input type="checkbox"/> Target Mapping for RUSTR AML	Target Mapping for RUSTR AML	Target Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_AML
<input type="checkbox"/> Acknowledgement Russain Fix...	Acknowledgement Russain Fixed Length	Acknowledgement Mapping	Suspicious Transaction Report - Russian STR	Acknowledged	OFS_RRS
<input type="checkbox"/> Acknowledgement Upload	Acknowledgement Upload	Acknowledgement Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_RRS
<input type="checkbox"/> Source Mapping for RU STR-CM	Source Mapping for RU STR-CM	Data Transfer XSD	Suspicious Transaction Report - Russian STR	Open	OFS_ECM
<input type="checkbox"/> Source mapping for RU STR	Source mapping for RU STR-AM	Data Transfer XSD	Suspicious Transaction Report - Russian STR	Open	OFS_AML
<input type="checkbox"/> Russian STR Validation 1	Russian STR Validation 1	Validation Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_RRS
<input type="checkbox"/> Indian STR Validation	Indian STR Validation	Validation Mapping	Suspicious Transaction Report - Indian STR	Open	OFS_RRS
<input type="checkbox"/> RUSTR Efile Configuration	RUSTR 321_P Efile XML Configuration	Report Generation Metadata - XML	Suspicious Transaction Report - Russian STR	Open	OFS_RRS
<input type="checkbox"/> IN STR Efile Configuration	IN STR Efile Configuration	Report Generation Metadata - XML	Suspicious Transaction Report - Indian STR	Open	OFS_RRS

Search Go Reset

Target Entity Mapping Metadata (9)
Unwrap
Search Go Reset

Target Entity Join Metatdata Details (25)
Unwrap
Search Go Reset

Target Column Mapping metadata (35)
Unwrap

Below are the grids in Target Mapping:

- Target Entity Metadata
- Target Entity Join Metadata
- Target Column Mapping Metadata

2.2.1.1 Target Entity Metadata

Target Entity Metadata grid gives the details about the Business Entity, Business Sub Entity and Business Sub Entity Key.

There are two subsection in Target Entity Metadata:

- Search for Target Entity
- Target Entity Mapping Metadata

Figure 11: Target Entity Mapping Metadata

Search Go |

Business Entity ? Business Sub Entity ?

Business Sub Entity Key ?

Target Entity Mapping Metadata (9)

Unwrap

<input type="checkbox"/>	Business Entity	Business Sub Entity	Business Sub Entity Key
<input type="checkbox"/>	Transaction	CashTransaction	TransactionReferencIdentifier
<input type="checkbox"/>	Transaction	MonetaryInstrumentTransaction	TransactionInternalIdentifier
<input type="checkbox"/>	Transaction	WireTransaction	TransactionReferencIdentifier
<input type="checkbox"/>	Transaction	BackOfficeTransaction	TransactionReferencIdentifier
<input type="checkbox"/>	Account	Account	AccountIdentifier

2.2.1.1.1 Search for Target Entity

There are four fields given in the search grid. This can be used to search the Target Entity Mapping Metadata using Target Entity Mapping Metadata based on Business Entity, Business Sub Entity and Business Sub Entity Key.

Figure 12: Search Grid

Search Go |

Business Entity ? Business Sub Entity ?

Business Sub Entity Key ?

Table 6: Search Grid Details

Fields	Description
Business Entity	Enter the required business entity to search
Business Sub Entity	Enter the required business sub entity to search
Business Sub Entity Key	Enter the required business sub entity key to search

2.2.1.1.2 Target Entity Mapping Metadata

This grid shows the list of Target Entity Mapping Metadata. This data is fetched from the metadata excel uploaded while creating the Target Entity Mapping Metadata.

The Target Entity Mapping Metadata grid gives the list of entity and entity keys.

Figure 13: Target Entity Mapping Metadata

Target Entity Mapping Metadata (9)			
Unwrap			
View	Business Entity	Business Sub Entity	Business Sub Entity Key
<input type="checkbox"/>	Transaction	CashTransaction	TransactionReferenceIdentifier
<input type="checkbox"/>	Transaction	MonetaryInstrumentTransaction	TransactionInternalIdentifier
<input type="checkbox"/>	Transaction	WireTransaction	TransactionReferenceIdentifier
<input type="checkbox"/>	Transaction	BackOfficeTransaction	TransactionReferenceIdentifier
<input type="checkbox"/>	Account	Account	AccountIdentifier

Table 7: Target Entity Mapping Metadata

Fields	Description
Business Entity	This column displays the business entity of the target entity.
Business Sub Entity	This column displays the business sub entity of the target entity.
Business Sub Entity Key	This column displays the business sub entity key of the target entity.

2.2.1.2 Target Entity Join Metadata

Target Entity Join Metadata grid gives the details about the Entity, Sub Entity, Sub Entity Join and Sub Entity Filter.

There are two subsection in Target Entity Mapping Metadata:

- Search for Join Metadata
- Target Entity Join Metadata

Figure 14: Target Entity Join Metadata

Search Go Reset				
Entity ?	<input type="text"/>	Sub Entity ?	<input type="text"/>	
Sub Entity Join ?	<input type="text"/>	Sub Entity Filter ?	<input type="text"/>	
Target Entity Join Metadata Details (25)				
Unwrap				
View	Entity	Sub Entity	Sub Entity Join	Sub Entity Filter
<input type="checkbox"/>	AccountToCustomer	Customer	[AccountToCustomer/AccountIdentifier]==[MonetaryInstrumentTransaction/...	»
<input type="checkbox"/>	AccountToCustomer	Customer	[AccountToCustomer/AccountIdentifier]==[WireTransaction/OriginatorAccou...	»
<input type="checkbox"/>	AccountToCustomer	Customer	[AccountToCustomer/AccountIdentifier]==[WireTransaction/Beneficiary] &&...	»
<input type="checkbox"/>	AccountToCustomer	Customer	[AccountToCustomer/AccountIdentifier] ==[BackOfficeTransaction/Accountl...	»
<input type="checkbox"/>	Customer	BackOfficeTransaction	[Customer/CustomerIdentifier]==[Account/PrimaryCustomerIdentifier] && [A...	»

2.2.1.2.1 Search for Join Metadata

There are four fields given in the search grid. This can be used to search the Target Entity Join Metadata using Target Entity Join Metadata based on Entity, Sub Entity, Sub Entity Join and Sub Entity Filter.

Figure 15: Search Grid

The screenshot shows a search interface with a header bar containing 'Search', 'Go', and 'Reset' buttons. Below the header are four input fields arranged in a 2x2 grid. The top-left field is labeled 'Entity ?'. The top-right field is labeled 'Sub Entity ?'. The bottom-left field is labeled 'Sub Entity Join ?'. The bottom-right field is labeled 'Sub Entity Filter ?'.

Table 8: Search Grid Details

Fields	Description
Entity	Enter the required entity to search
Sub Entity	Enter the required sub entity to search
Sub Entity Join	Enter the required sub entity join to search
Sub Entity Filter	Enter the required sub entity filter to search

2.2.1.2.2 Target Entity Join Metadata

Figure 16: Target Entity Join Metadata

The screenshot shows a table titled 'Target Entity Join Metadata Details (25)'. It has an 'Unwrap' button and a table with four columns: Entity, Sub Entity, Sub Entity Join, and Sub Entity Filter. The table contains five rows of data, each with a checkbox in the first column and a filter expression in the last column.

	Entity	Sub Entity	Sub Entity Join	Sub Entity Filter
<input type="checkbox"/>	AccountToCustomer	Customer	[AccountToCustomer/AccountIdentifier]==[MonetaryInstrumentTransaction/...	>>
<input type="checkbox"/>	AccountToCustomer	Customer	[AccountToCustomer/AccountIdentifier]==[WireTransaction/OriginatorAccou...	>>
<input type="checkbox"/>	AccountToCustomer	Customer	[AccountToCustomer/AccountIdentifier]==[WireTransaction/Beneficiary] &&...	>>
<input type="checkbox"/>	AccountToCustomer	Customer	[AccountToCustomer/AccountIdentifier] ==[BackOfficeTransaction/Accountl...	>>
<input type="checkbox"/>	Customer	BackOfficeTransaction	[Customer/CustomerIdentifier]==[Account/PrimaryCustomerIdentifier] && [A...	>>

Table 9: Target Entity Join Metadata

Fields	Description
Entity	This column displays the entity of the target entity.
Sub Entity	This column displays the sub entity of the target entity.
Sub Entity Join	This column displays the sub entity join of the target entity.
Sub Entity Filter	This column displays the sub entity filter of the target entity.

2.2.1.3 Target Column Mapping Metadata

Target Column Mapping Metadata grid gives the details about the Field Name, XPath, Source Business Entity, Target Table, Target Column, Data Type, Comments, Reference Table Name, Reference Column Name, Referenced Primary Key and the Default Value.

There are two subsection in Target Column Mapping Metadata:

- Search for Target Column Mapping
- Target Column Mapping Metadata

Figure 17: Target Column Mapping Metadata

Field Name	XPath	Source Business Entity	Target Table	Target Column
<input checked="" type="checkbox"/> Given Name	IF [AccountToCustomer/CustomerTypeCode] == "IND" THEN (Customer/FirstName):	AccountToCustomer	FCT_SUSPECT_INFO	V_SUSPECT_FIRSTNAME
<input type="checkbox"/> Given Name	IF [AccountToCustomer/CustomerTypeCode] == "IND" THEN (Customer/MiddleName):	AccountToCustomer	FCT_SUSPECT_INFO	V_SUSPECT_MIDDLENAME
<input type="checkbox"/> Type of Participant	IF [AccountToCustomer/CustomerTypeCode] == "IND" THEN "Individual":	AccountToCustomer	FCT_SUSPECT_INFO	N_PARTY_TYPE_SKEY
<input type="checkbox"/> Type of Customer	IF [AccountToCustomer/CustomerIdentifier]="" THEN "R":	AccountToCustomer	FCT_SUSPECT_INFO	F_SUSPECT_IS_ENTITY
<input type="checkbox"/> Transaction Role	IF [AccountToCustomer/CustomerIdentifier]="" && [BackOfficeTransaction/AccountId...]	AccountToCustomer	FCT_SUSPECT_INFO	V_TRAN_CAP_OTH_DESC

2.2.1.3.1 Search for Target Column Mapping

There are four fields given in the search grid. This can be used to search the Target Column Mapping Metadata using the Target Column Mapping Metadata based on Field Name, XPath, Source Business Entity, Target Table

Figure 18: Search Grid

The screenshot shows a search interface with the following elements:

- Buttons: Search, Go, Reset
- Field Name: Input field with a question mark icon.
- XPath: Input field with a question mark icon.
- Source Business Entity: Input field with a question mark icon.
- Target Table: Input field with a question mark icon.

Table 10: Search Grid Details

Fields	Description
Field Name	Enter the required field name to search the entity
XPath	Enter the required xpath to search the entity
Source Business Entity	Enter the required source business entity to search the entity
Target Table	Enter the required target table name to search the entity

2.2.1.3.2 Target Column Mapping Metadata

Figure 19: Target Column Mapping Metadata

The screenshot shows a table with the following data:

Field Name	XPath	Source Business Entity	Target Table	Target Column
<input type="checkbox"/> Given Name	IF [AccountToCustomer/CustomerTypeCode] == "IND" THEN [Customer/FirstName];	AccountToCustomer	FCT_SUSPECT_INFO	V_SUSPECT_FIRSTNAME
<input type="checkbox"/> Given Name	IF [AccountToCustomer/CustomerTypeCode] == "IND" THEN [Customer/MiddleName];	AccountToCustomer	FCT_SUSPECT_INFO	V_SUSPECT_MIDDLENAME
<input type="checkbox"/> Type of Participant	IF [AccountToCustomer/CustomerTypeCode] == "IND" THEN "Individual" ;	AccountToCustomer	FCT_SUSPECT_INFO	N_PARTY_TYPE_SKEY
<input type="checkbox"/> Type of Customer	IF [AccountToCustomer/CustomerIdentifier]="" THEN "R";	AccountToCustomer	FCT_SUSPECT_INFO	F_SUSPECT_IS_ENTITY
<input type="checkbox"/> Transaction Role	IF [AccountToCustomer/CustomerIdentifier]="" && [BackOfficeTransaction/AccountId...]	AccountToCustomer	FCT_SUSPECT_INFO	V_TRAN_CAP_OTH_DESC

Table 11: Target Column Mapping Metadata

Fields	Description
Field Name	This column displays the field name of the target column mapping.
XPath	This column displays the XPath of the target column mapping.
Source Business Entity	This column displays the Source Business Entity of the target column mapping.
Target Table	This column displays the Target Table of the target column mapping.
Target Column	This column displays the Target Column of the target column mapping.
Data Type	This column displays the Data Type of the target column mapping.
Comments	This column displays the Comments of the target column mapping.
Reference Table Name	This column displays the of the Reference Table Name target column mapping.
Reference Column Name	This column displays the Reference Column Name of the target column mapping.
Referenced Primary Key	This column displays the Referenced Primary Key of the target column mapping.
Default Value	This column displays the Default Value of the target column mapping.

2.3 Description of Excel Configuration Sheet

There are three sheets in the configuration Excel:

- [Entity Sheet](#)
- [Join Sheets](#)
- [Mapping Sheet](#)

2.3.1 Entity Sheet

This sheet enables the users to provide details about all the entities as provided by Generic XSD Business Data which is used by the system.

Table 12: Entity Sheet Details

Physical Column Name	Business Column Name	Description	Example
V_BUSINESS_ENTITY	Business Entity	This field enables user to identify all the entities that is there in source Data (Generic XSD and Business Tables)	<ul style="list-style-type: none"> • Transaction • Account • Customer • Customer Address • Customer Phone
V_BUSINESS_SUB_ENTITY	Business Sub Entity	This field helps the user to understand the sub categories of the entities defined.	<ul style="list-style-type: none"> • Cash Transaction • Monetary Instrument Transaction • Wire Transaction • Back Office Transaction • Insurance Transaction
V_BUSINESS_SUB_KEY	Business Sub Key	These fields is used to provide primary key of the entity business table.	<ul style="list-style-type: none"> • Transaction Reference Identifier • Insurance Transaction Reference Identifier • Account Identifier • Customer Identifier • Address Record Number • Phone Record Number

2.3.2 Join Sheets

This sheet enables the user to provide details about Joins that is used to link entities with each other.

Table 13: Join Sheet Details

Physical Column Name	Business Column Name	Description	Example
V_BUS_SUB_ENTITY	Business Sub Entity	This field indicates the business sub entity which was mentioned in Entity Sheet which needs joins.	<ul style="list-style-type: none"> • Account • Customer
V_BUS_SUB_ENTITY_PR	Business Sub Entity Parent	This field indicates the business sub entity which was mentioned in Entity Sheet which acts as parent in the joins.	<ul style="list-style-type: none"> • Cash Transaction • Monetary Instrument Transaction • Wire Transaction • Back Office Transaction • Insurance Transaction
V_BUS_SUB_ENTITY_JOIN	Join Query	This is the placeholder where the user provides the join queries between the entities.	[Account/AccountIdentifier]==[BackOfficeTransaction/AccountIdentifier]
V_BUS_SUB_ENTITY_FILTER	Filter Conditions	This is the placeholder where the user gives some filter conditions which is applicable for this entity	-

2.3.3 Mapping Sheet

This sheet enables the user to provide details about Joins that is used to link entities with each other.

Table 14: Mapping Sheet Details

Physical Column Name	Business Column Name	Description	Example
Tag Name	Tag Name	This field indicates the tag name of the Generic XSD	<ul style="list-style-type: none"> Account Customer
V_UI_FIELD_NAME	UI Field Name	This field provides the field name for this element as per the UI	<ul style="list-style-type: none"> Account Type Account Holder Name Account Holder Type
V_XPATH_1	XPath	This is the placeholder where user provides the exact query and the Xpath indicating how the data is extracted from the generic XSD.	[Customer/LastName Customer/FirstName Customer/MiddleName]: OR [Customer/DisplayName]: OR [Account/AccountDisplayName]:
V_PHY_TRG_TABLE_NAME	Physical Target Table Name	This provides the placeholder where the user provides the table name of CRR Data Model. This indicates that this element is stored in this table and column	FCT_ACCOUNT
V_PHY_TRG_COLUMN_NAME	Physical Target Column Name	This provides the placeholder where the user provides the column name of CRR Data Model. This indicates that this element is stored in this table and column	<ul style="list-style-type: none"> V_ACCOUNT_NUMBER N_ACCTTYPE_SKEY V_ACCOUNT_NAME
V_COMMENTS	Comments	This is the placeholder where user provides any required comments.	-
V_REF_TABLE_NAME	Reference Table Name	This is the placeholder where user provides the name of the table whose data is used in this element. This helps the user to link reference Tables	<ul style="list-style-type: none"> DIM_ACCT_TYPE MAP_ACCT_TYPE_REPEATTYPE
V_REF_COLUMN_NAME	Reference Column Name	This is the placeholder where user provides the name of the table whose data is used in this element. This helps the user to link reference Tables	V_ACCTSTATUS_CODE
V_REF_SKEY_COLUMN_NAME	Reference Key Column Name	This is the placeholder where the key column which is used as foreign key for reference table	N_ACCTTYPE_SKEY

Physical Column Name	Business Column Name	Description	Example
V_DEFAULT_VALUE	Default Value	This is the placeholder where user provides the default data for the element	-
V_DATA_TYPE	Data Type	This indicates the data type of the element.	-

2.3.4 Example of Target Mapping

The following table shows an example of Target Entity Mapping Metadata data fetching: Here an example of Account and Customer have been taken.

Table 15: Target Entity Mapping Metadata Data Fetch

V_BUSINESS_ENTITY	V_BUSINESS_SUB_ENTITY	V_BUSINESS_SUB_KEY
Account	Account	AccountIdentifier
Customer	Customer	CustomerIdentifier

3 Template Builder

This chapter provides an overview on the Template Builder feature of CRR framework.

This chapter covers the following topics:

- [Introduction](#)
- [Managing CRR Framework Configuration](#)
- [Adding a Template](#)

3.1 Introduction

The Regulatory Bodies of each country focus primarily on safeguarding the financial institutions and consumers from abuse and to provide transparency in the country's financial system. These regulatory bodies are also responsible for enhancing that country's security and deterring and detecting criminal activity in the financial system. As part of this goal, these regulatory bodies require the financial institutions to provide data regarding suspicious activities that lead to fraud and money laundering in a financial institution. This data is delivered to the regulatory bodies through regulatory reports. These reports, depending on the regulatory geographic region, can be delivered in a paper format or in an electronic format.

Suspicious Transaction Reports (STRs) or Suspicious Activity Reports (SARs) are the types of reports that are submitted to the regulator indicating the suspicious activity. These formats vary depending on the regulator to which it is submitted.

3.2 Managing CRR Framework Configuration

UI Builder allows user to create template specific User interactive screens. This takes configurations from the user and create tabs as per the configurations selected. This provides the user list of entities and attributes where they can select the required details. This also provides us the way to link all the other module documents for this template. Navigate to the CRR Framework administration tab, the CRR Framework Template Configurations Search and List page is displayed

Figure 1: CRR Framework Administration Tab

CRR Template Builder	Source Configuration	Target Configuration	UI Builder	Report Builder	Acknowledgement	
CRR Framework Template Configurations Search and List						
<input type="text" value="Search Template Configurations"/>						
<input type="checkbox"/>	Report Name	Compliance Type	Reporting Country	Configuration Status	Created By	More Info.
<input type="checkbox"/>	COPY OF SWIS- 1T 2E	STR	SWITZERLAND	DRAFT	UIBUILDER	
<input type="checkbox"/>	SWIS	STR	SWITZERLAND	GENERATED	UIBUILDER	
<input type="checkbox"/>	COPY OF REPORT -THAI	STR	TAJIKISTAN	VALIDATED	UIBUILDER	
<input type="checkbox"/>	REPORT -THAI	STR	THAILAND	GENERATED	UIBUILDER	
<input type="checkbox"/>	TO REPORT - 3 TAB-2EN EACH	STR	ZIMBABWE	VALIDATED	UIBUILDER	

The following are the actions performed in CRR Framework Template Configurations Search and List page:

- **Add:** Add a template configuration
- **Edit:** Edit a template configuration
- **Copy:** Copy the template configuration
- **Validate:** Validate the template configuration
- **Save:** Save the template configuration

3.3 Adding a Template

To add a template, follow these steps:

1. Navigate to the CRR Framework administration page.
2. Click **Add** in the *CRR Template Builder* tab.
3. Update the value in column `V_COUNTRY_NAME` in `DIM_COUNTRY` for the country for which STR is developed.
4. Update column `V_ENTITY_STATUS_CODE` to 'A' in `FCC_CRR_UIB_ENTITY`.

Following are the steps performed to add a template:

- [Step 1: Report Information](#)
- [Step 2: Set up Template workflows](#)
- [Step 3: UI Builder - Create Tabs](#)
- [Step 4: UI Builder - Create Entities](#)
- [Step 5: UI Builder - Select Attributes](#)
- [Step 6: Configure UI Behavior and Validation](#)
- [Step 7: Configure - Source, Target, E-file Reports and Acknowledgment Parser](#)
- [Step 8: Further Steps](#)

3.3.1 Step 1: Report Information

The Report Information section is displayed as follows:

Figure 2: Report Information

Report Information:

Report Name

Report Name

Reporting Country

Report Country

Compliance Type

SAR

Next

5. Enter the following information:

Table 1: Report Information

Fields	Description
Report Name	Enter the name for the report.
Reporting Country	Enter the Reporting Country for the which the report is built.
Compliance Type	Select the Compliance type from the drop-down list.

6. Click **Next**.
7. Configure the Template Workflows as shown in the figure:

3.3.2 Step 2: Set up Template workflows

Figure 3: Template workflow

Set up template workflows:

Configure Efile Workflow

No

Select User Workflow type

3 User Workflows

Previous Next

1. Enter the following information:

Table 2: Template Workflow

Fields	Description
Configure E-file Workflow	Select Yes if you want to configure the Efile workflow.
Select User Workflow type	Select the type of workflow type from the drop-down list.

2. Click **Next**.
3. Configure the different tabs for the Reporting page of the Report as shown in the following figure:

3.3.3 Step 3: UI Builder - Create Tabs

UI Builder: Create Tabs

Tab Code:

Tab Name

Locale Name

Tab Description

Tab Order

Is access limited?

1. Enter the following information:

Table 3: Configure Tabs

Fields	Description
Tab Code	Enter the tab code for the tab.
Tab Name	Enter the name for the tab.
Locale Name	Enter the locale name for the tab.
Tab Description	Enter the description of the tab.
Tab Order	Enter the order for the tab to be displayed.

2. Select Yes if access is to be limited.
3. Click **Add More Tabs** to add more tabs. Follow the above steps to add a tab.
4. Click **Next**.
5. Configure the Entities for the report as follows:

3.3.4 Step 4: UI Builder - Create Entities

These entities are pre-defined and user selects the entity from the options provided

Figure 4: Creating Entities

1. Enter the following information:

Table 4: Creating Entities

Fields	Description
Entity Code	Enter the entity code for the entity.
Select Tab	Select the tab for the entity.
Entity Display Name	Enter the display name for the entity.
Is Entity Parent of Tab	Select if the entity is parent of the tab.
Parent Entity	Enter the Parent Entity.
Entity Type	Select the type of Entity from the drop-down list.
Entity Action	Select the type of Entity from drop-down list.

2. Click **Add More Entities** to add more Entities. Follow the above steps to add an entity.
3. Click **Next**.

4. Select the Attributes for the Entity as follows.

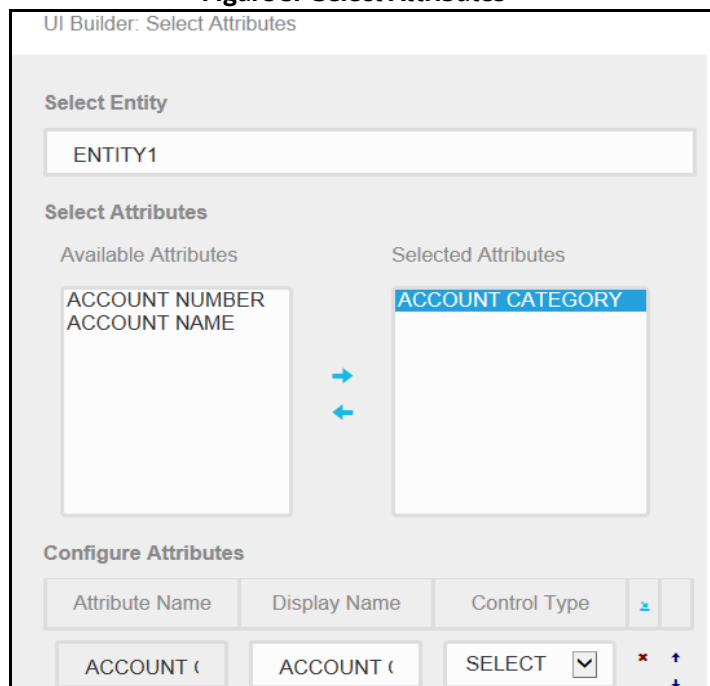
3.3.5 Step 5: UI Builder - Select Attributes

Once Entity is selected available attributes is listed down with all the available attributes for that entity. User then selects required attributes from available attributes and move it to selected attributes.

Then user clicks on blue icon to add the rows for attribute that needs updates. When user clicks on blue icon they can change the display name and Control type of attribute:

- Display Name: Enter the Name of the attribute
- Control Type: Select the type of control to be used for this attribute.

Figure 5: Select Attributes



1. Enter the following information:

Table 5: Selecting Attributes

Fields	Description
Select Entity	Select the Entity Name from the dropdown list.

2. Move the Attributes from the left list to the right depending on the ones you want.
3. Configure each attribute by selecting the type of display and select from the dropdown list.
4. Click **Add More Attributes** to add more Attributes. Follow the above steps to add an entity.
5. Click **Next**.
6. Configure UI behavior and validations for the report as shown below.

3.3.6 Step 6: Configure UI Behavior and Validation

1. Enter the following information:

Figure 6: Configure UI behavior and Validation

Configure UI Behavior and Validation

Link UI Behavior Configuration

NA

Link Validations Configuration

Indian STR Validation

Previous Next

Table 6: Selecting Attributes

Fields	Description
Link UI Behavior Configuration	Select the kind of configuration for the report.
Link Validations Configuration	Select the kind of Validations configuration to be linked to the report.

7. Click **Next**.
8. Configure Source, target, e-file reports and acknowledgment for the report.

3.3.7 Step 7: Configure - Source, Target, E-file Reports and Acknowledgment Parser

Figure 7: Configure Source, Target, Efile Reports, Acknowledgment Parser

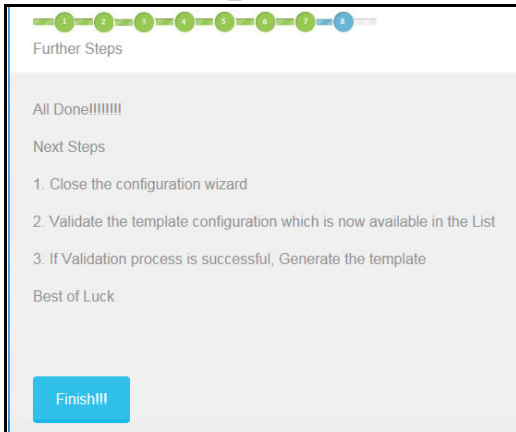
1. Enter the following information:

Table 7: Selecting Attributes

Fields	Description
Link Source Configuration	Select the kind of Source configuration for the report from the drop-down list.
Link Target Configuration	Select the kind of Target configuration to be linked to the report from the drop-down list.
Link Final Efile Configuration	Select the kind of Final Efile configuration to be linked to the report from the drop-down list.
Link Acknowledgment Configuration	Select the kind of Acknowledgment configuration to be linked to the report from the drop-down list.

2. Click **Next**.
3. Click **Finish**.

3.3.8 Step 8: Further Steps



The **All Done** message is displayed at the end with the further steps.

Navigate to Report configuration grid and click **Validate**. Once it is validated click **Save**, the report template is generated.

4 Validation

This chapter provides an overview on the Validation feature of CRR framework.

This chapter covers the following topics:

- Introduction
- Managing Validation UI

4.1 Introduction

After updating the report details, they must be validated. The Report Details page allows the authorized users to validate the report details and then submit the report for approval. When the user submits the report for approval, it is validated if the mandatory fields within the report are displayed. But this process requires maximum effort. Compliance Regulatory Reporting Framework provides a framework which enables the users to automate the process of validation. To identify the mandatory information, the application uses data mapping sheet.

After updating the report details, the user clicks **Validate** to check if the data is correct and can be submitted to the regulator. Once the user clicks **Validate**, the mandatory fields without the details are highlighted. The fields are highlighted until the mandatory fields are filled with the required information.

4.2 Managing Validation UI

To validate if the data is correct and can be submitted to the regulator, follow these steps:

1. Login to the OFSAA application.
2. Select **Financial Services Regulatory Reporting** from the *Select Application* menu.
3. Select the STR as per your requirement.
4. Mouse over the Administration menu and click **Configuration Upload**.

The following screen is displayed:

Name	Description	Configuration Type	Report Type	Status	Application Name
<input type="checkbox"/> Target mapping for RU STR -...	Target mapping for RU STR - ECM	Target Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_ECM
<input type="checkbox"/> Target Mapping for RUSTR AML	Target Mapping for RUSTR AML	Target Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_AML
<input type="checkbox"/> Acknowledgement Russain Fix...	Acknowledgement Russain Fixed Length	Acknowledgement Mapping	Suspicious Transaction Report - Russian STR	Acknowledged	OFS_RRS
<input type="checkbox"/> Acknowledgement Upload	Acknowledgement Upload	Acknowledgement Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_RRS
<input type="checkbox"/> Source Mapping for RU STR-CM	Source Mapping for RU STR-CM	Data Transfer XSD	Suspicious Transaction Report - Russian STR	Open	OFS_ECM
<input type="checkbox"/> Source mapping for RU STR	Source mapping for RU STR-AML	Data Transfer XSD	Suspicious Transaction Report - Russian STR	Open	OFS_AML
<input type="checkbox"/> Russian STR Validation 1	Russian STR Validation 1	Validation Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_RRS
<input type="checkbox"/> Indian STR Validation	Indian STR Validation	Validation Mapping	Suspicious Transaction Report - Indian STR	Open	OFS_RRS
<input type="checkbox"/> RUSTR Efile Configuration	RUSTR 321_P Efile XML Configuration	Report Generation Metadata - XML	Suspicious Transaction Report - Russian STR	Open	OFS_RRS
<input type="checkbox"/> IN STR Efile Configuration	IN STR Efile Configuration	Report Generation Metadata - XML	Suspicious Transaction Report - Indian STR	Open	OFS_RRS

Figure 8: Configuration Upload Screen

The following are the actions performed under Validation:

4.2.1 Configuration Upload for Validation

Following are the steps in configuration upload for Validation:

1. To generate configuration upload for Validation, navigate to Configuration Details page.
2. Click **Create Configuration**. The Configuration upload window is open.

Figure 9: Create Configuration Window

3. Enter the details in the following fields:

Table 8: Create Configuration

Fields	Description
Name	Enter the name for the report.
Description	Enter the description for the report.
Report Type	Select the report type from the drop-down list.
Document Type	Select the document type metadata from the drop-down list.
Metadata Excel	Click Browse to attach the excel sheet saved in your local system. NOTE: Create your own validation excel sheet. Download sample format from the (goAML Validation Sample Excel) MOS page . File names - fct_crr_vad_dtls and fct_crr_vad_forms_hier.

4. Click **Save** to save the Validation.
5. The created Validation is saved in the Configuration Details grid list.
6. Mark the check box for the created Validation, the details are shown below in the same window.

Configuration Details (10)						
Unwrap Create Configuration Submit Close Download XSD Copy key not found Export						
Name	Description	Configuration Type	Report Type	Status	Application Nam	
<input type="checkbox"/> Target mapping for RU STR - ...	Target mapping for RU STR - ECM	Target Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_ECM	
<input type="checkbox"/> Target Mapping for RUSTR AML	Target Mapping for RUSTR AML	Target Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_AML	
<input type="checkbox"/> Acknowledgement Russain Fix...	Acknowledgement Russain Fixed Length	Acknowledgement Mapping	Suspicious Transaction Report - Russian STR	Acknowledged	OFS_RRS	
<input type="checkbox"/> Acknowledgement Upload	Acknowledgement Upload	Acknowledgement Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_RRS	
<input type="checkbox"/> Source Mapping for RU STR-CM	Source Mapping for RU STR-CM	Data Transfer XSD	Suspicious Transaction Report - Russian STR	Open	OFS_ECM	
<input type="checkbox"/> Source mapping for RU STR	Source mapping for RU STR-AM	Data Transfer XSD	Suspicious Transaction Report - Russian STR	Open	OFS_AML	
<input checked="" type="checkbox"/> Russian STR Validation 1	Russian STR Validation 1	Validation Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_RRS	
<input type="checkbox"/> Indian STR Validation	Indian STR Validation	Validation Mapping	Suspicious Transaction Report - Indian STR	Open	OFS_RRS	
<input type="checkbox"/> RUSTR Efile Configuration	RUSTR 321_P Efile XML Configuration	Report Generation Metadata - XML	Suspicious Transaction Report - Russian STR	Open	OFS_RRS	
<input type="checkbox"/> IN STR Efile Configuration	IN STR Efile Configuration	Report Generation Metadata - XML	Suspicious Transaction Report - Indian STR	Open	OFS_RRS	

Search | Go | Reset

Validation Metadata Details (5)

Unwrap

Search | Go | Reset

Validation Form Hierarchy Details (23)

Unwrap

Figure 10: Validation

The following are the grids in Validation section:

- Validation Metadata Details
- Validation Form Hierarchy Details

4.2.1.1 Validation Metadata Details

Validation Metadata Details grid gives the details about various parameters available in

There are two subsection in Validation Metadata Details:

- Search
- Validation Metadata Details

Form Name	Container Id	Grid Form Name	Parent Form Name	Grid Primary Control Id	Display Primary Control Id
<input type="checkbox"/> RR_RUS_Rep_Instn	1	RR_RUS_Rep_Instn			
<input type="checkbox"/> RR_RUS_Rep_Info	117	RR_RUS_Rep_InfoH		10	1
<input type="checkbox"/> RR_RUS_Rep_Info	114	RR_RUS_Rep_InfoG	RR_RUS_Rep_InfoH	10	1
<input type="checkbox"/> RR_RUS_Rep_Info	2114	RR_RUS_Rep_InfoI	RR_RUS_Rep_InfoG	10	1
<input type="checkbox"/> RR_RUS_Narrative_Static	100	RR_RUS_Narrative_Static			

Figure 11: Target Entity Mapping Metadata

4.2.1.1.1 Search

This grid enables the user to search for the parameters available in the validation sheets. Following are the fields displayed:

Figure 12: Search Grid

Table 9: Search Grid Details

Fields	Description
Form Name	Enter the required form name to search
Container ID	Enter the required container id to search
Grid Form	Enter the required grid form to search
Parent Grid Form	Enter the required parent grid form to search

4.2.1.1.2 Validation Metadata Details

This grid displays the various parameters available in the Validation Metadata Details sheet. This validation sheet is composed of the following parameters:

Validation Metadata Details (5)						
Unwrap						
Form Name	Container Id	Grid Form Name	Parent Form Name	Grid Primary Control Id	Display Primary Control Id	
<input type="checkbox"/> RR_RUS_Rep_Instn	1	RR_RUS_Rep_Instn				
<input type="checkbox"/> RR_RUS_Rep_Info	117	RR_RUS_Rep_InfoH		10	1	
<input type="checkbox"/> RR_RUS_Rep_Info	114	RR_RUS_Rep_InfoG	RR_RUS_Rep_InfoH	10	1	
<input type="checkbox"/> RR_RUS_Rep_Info	2114	RR_RUS_Rep_Infol	RR_RUS_Rep_InfoG	10	1	
<input type="checkbox"/> RR_RUS_Narrative_Static	100	RR_RUS_Narrative_Static				

Figure 13: Validation Metadata Details

Table 10: Validation Metadata Details

Fields	Description
Form Name	This column displays the Form Name of the validation sheet.
Container ID	This column displays the Container ID of the validation sheet.
Grid Form Name	This column displays the Grid Form Name of the validation sheet.
Parent Form Name	This column displays the Parent Form Name of the validation sheet.
Grid Primary Control ID	This column displays the Grid Primary Control ID of the validation sheet.
Display Primary Control ID	This column displays the Display Primary Control ID of the validation sheet.

4.2.1.2 Validation Form Hierarchy Details

Validation Form Hierarchy Details grid gives the details about parameters available in Validation Form Hierarchy Details.

There are two subsection in Validation Form Hierarchy Details:

- Search
- Validation Form Hierarchy Details

Search Go Reset				
Form Name ?	<input type="text"/>	Control ID ?	<input type="text"/>	
UI Field Name ?	<input type="text"/>	UI Field Value ?	<input type="text"/>	
Validation Form Hierarchy Details (23)				
Unwrap				
Form Name	Control ID	UI Field Name	Is Conditional	
<input type="checkbox"/> RR_RUS_Narrative_Static	4	Description of Activity		
<input type="checkbox"/> RR_RUS_Rep_Infol	98	TAX ID		
<input type="checkbox"/> RR_RUS_Rep_Infol	17	Identification Type		
<input type="checkbox"/> RR_RUS_Rep_InfoG	110	Entity Name		[3] = 18
<input type="checkbox"/> RR_RUS_Rep_InfoG	109	Ind Last Name		[3] in (19,20)

Figure 14: Validation Form Hierarchy Details

4.2.1.2.1 Search

This grid enables the user to search for the parameters available in this validation sheets. Following are the fields displayed:

Figure 15: Search Grid

Table 11: Search Grid Details

Fields	Description
Form Name	Enter the required form name to search
Control ID	Enter the required control id to search
UI Field Name	Enter the required UI field name to search
UI Field Value	Enter the required UI field Value to search

4.2.1.2.2 Validation Form Hierarchy Details

This grid displays the various parameters available in the Validation Form Hierarchy Details sheet. This validation sheet is composed of the following parameters:

Form Name	Control ID	UI Field Name	Is Conditional
<input type="checkbox"/> RR_RUS_Narrative_Static	4	Description of Activity	
<input type="checkbox"/> RR_RUS_Rep_Infol	98	TAX ID	
<input type="checkbox"/> RR_RUS_Rep_Infol	17	Identification Type	
<input type="checkbox"/> RR_RUS_Rep_InfoG	110	Entity Name	[3] = 18
<input type="checkbox"/> RR_RUS_Rep_InfoG	109	Ind Last Name	[3] in (19,20)

Figure 16: Validation Form Hierarchy Details

Table 12: Validation Form Hierarchy Details

Fields	Description
Form Name	This column displays the Form Name of the validation sheet.
Control ID	This column displays the Control ID of the validation sheet.
UI Field Name	This column displays the UI Field Name of the validation sheet.
Is Conditional	This column displays the Is Conditional of the validation sheet.

5 Final Report Generation XML

This chapter provides an overview on the Report Generation Metadata XML feature of CRR framework. This chapter covers the following topics:

- Introduction
- Managing Final Report Generation XML

5.1 Introduction

This module will be used when the CRR Application will generate the final STR Report in XML format. This module allows the user to map each table column of CRR Data model to the tags/elements of the final STR XML thus this will automate the process of generating the final XML STR Report.

5.2 Managing Final Report Generation XML

To validate if the data is correct and can be submitted to the regulator, follow these steps:

1. Login to the OFSAA application.
2. Select **Financial Services Regulatory Reporting** from the *Select Application* menu.
3. Select the STR as per your requirement.
4. Mouse over the Administration menu and click **Configuration Upload**.

Figure 17: Configuration Details Page

Name	Description	Configuration Type	Report Type	Status	Application Name
<input type="checkbox"/> Target mapping for RU STR -...	Target mapping for RU STR - ECM	Target Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_ECM
<input type="checkbox"/> Target Mapping for RUSTR AML	Target Mapping for RUSTR AML	Target Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_AML
<input type="checkbox"/> Acknowledgement Russain Fix...	Acknowledgement Russain Fixed Length	Acknowledgement Mapping	Suspicious Transaction Report - Russian STR	Acknowledged	OFS_RRS
<input type="checkbox"/> Acknowledgement Upload	Acknowledgement Upload	Acknowledgement Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_RRS
<input type="checkbox"/> Source Mapping for RU STR-CM	Source Mapping for RU STR-CM	Data Transfer XSD	Suspicious Transaction Report - Russian STR	Open	OFS_ECM
<input type="checkbox"/> Source mapping for RU STR	Source mapping for RU STR-AM	Data Transfer XSD	Suspicious Transaction Report - Russian STR	Open	OFS_AML
<input type="checkbox"/> Russian STR Validation 1	Russian STR Validation 1	Validation Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_RRS
<input type="checkbox"/> Indian STR Validation	Indian STR Validation	Validation Mapping	Suspicious Transaction Report - Indian STR	Open	OFS_RRS
<input type="checkbox"/> RUSTR Efile Configuration	RUSTR 321_P Efile XML Configuration	Report Generation Metadata - XML	Suspicious Transaction Report - Russian STR	Open	OFS_RRS
<input type="checkbox"/> IN STR Efile Configuration	IN STR Efile Configuration	Report Generation Metadata - XML	Suspicious Transaction Report - Indian STR	Open	OFS_RRS

Following are the actions which can be performed in Final Report Generation XML:

- Configuration Upload for Final Format XSD
- Mappings of XSD

5.2.1 Configuration Upload for Final Format XSD

The User provides the XSD that they received from regulators, which contains details about the format in which data will get received by them. This document is uploaded using Upload Configuration feature when user takes Create Configuration action. User needs to select Report Generation Metadata-XML module for this.

Following are the steps in configuration upload for Report Generation Metadata-XML:

1. To generate configuration upload for Report Generation Metadata-XML, navigate to Configuration Details page.
2. Click **Create Configuration**. The Configuration upload window is open.

Figure 18: Configuration Upload Window

The screenshot shows a web browser window titled "Configuration Upload". The form contains the following fields and controls:

- Name ***: A text input field.
- Description ?**: A text input field.
- Report Type ***: A dropdown menu with "STR-MY" selected.
- Document Type ***: A dropdown menu with "Report Generation Metadata - XML" selected.
- Application Type ***: A dropdown menu with "OFS_RRS" selected.
- Metadata Excel ***: A text input field followed by a "Browse" button.
- At the bottom right, there are "Save" and "Close" buttons.

3. Enter the details given in the below table:

Table 13: Configuration Upload Window Details

Fields	Description
Name	Enter the name for the report.
Description	Enter the description for the report.
Report Type	Select the report type from the drop-down list.
Document Type	Select the document type from the drop-down list. Select Report Generation Metadata - XML.
Application Type	Select the application type from the drop-down list.
Metadata Excel	<p>Click Browse to attach the XSD file saved in your local system.</p> <p>NOTE: Download XSD file received from the regulator.</p> <p>Once it is uploaded fct_configuration_hdr and fct_crr_out_data_format table are populated.</p> <p>NOTE: if any changes required in XSD, you can make changes and upload.</p> <p>ct_crr_out_entity and fct_crr_out_attribute are configurable tables, you need to write a join queries to fetch the data from ECM. Download the sample fct_crr_out_entity and fct_crr_out_attribute configuration files from (goAML Final Report XSD and Sample Excel) MOS.</p>

4. Click **Save** to save the Report Generation Metadata-XML.
5. The created Report Generation Metadata-XML is saved in the Configuration Details grid list.
6. Mark the checkbox for the created Report Generation Metadata-XML, the details are shown below in the same window.

Figure 19: Data Transfer XSD details

Configuration Details (10)						
Name	Description	Configuration Type	Report Type	Status	Application Name	
<input type="checkbox"/> Target mapping for RU STR -...	Target mapping for RU STR - ECM	Target Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_ECM	
<input type="checkbox"/> Target Mapping for RUSTR AML	Target Mapping for RUSTR AML	Target Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_AML	
<input type="checkbox"/> Acknowledgement Russain Fix...	Acknowledgement Russain Fixed Length	Acknowledgement Mapping	Suspicious Transaction Report - Russian STR	Acknowledged	OFS_RRS	
<input type="checkbox"/> Acknowledgement Upload	Acknowledgement Upload	Acknowledgement Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_RRS	
<input type="checkbox"/> Source Mapping for RU STR-CM	Source Mapping for RU STR-CM	Data Transfer XSD	Suspicious Transaction Report - Russian STR	Open	OFS_ECM	
<input type="checkbox"/> Source mapping for RU STR	Source mapping for RU STR-AM	Data Transfer XSD	Suspicious Transaction Report - Russian STR	Open	OFS_AML	
<input type="checkbox"/> Russian STR Validation 1	Russian STR Validation 1	Validation Mapping	Suspicious Transaction Report - Russian STR	Open	OFS_RRS	
<input type="checkbox"/> Indian STR Validation	Indian STR Validation	Validation Mapping	Suspicious Transaction Report - Indian STR	Open	OFS_RRS	
<input checked="" type="checkbox"/> RUSTR Efile Configuration	RUSTR 321_P Efile XML Configuration	Report Generation Metadata - XML	Suspicious Transaction Report - Russian STR	Open	OFS_RRS	
<input type="checkbox"/> IN STR Efile Configuration	IN STR Efile Configuration	Report Generation Metadata - XML	Suspicious Transaction Report - Indian STR	Open	OFS_RRS	

Search Go

Output Configuration (15)

Unwrap

Below are the grids in Report Generation Metadata-XML:

- Search
- Output Configuration Grid
- Managing Output Configuration

5.2.1.1 Search

This field enables the user to search the Report Generation Metadata-XML based on few entities. There are two fields given in the search grid. This can be used to search the Report Generation Metadata-XML based on ID and Entity Name

Figure 20: Search Grid

Search Go

ID ?

Entity Name ?

Parent Entity Name ?

Table 14: Search Grid Details

Fields	Description
ID	Enter the ID number of the Output Configuration
Entity Name	Enter the Entity name of the Output Configuration
Parent Entity Name	Enter the Parent Entity name of the Output Configuration

5.2.1.2 Output Configuration

This section displays the list of types fetched from the metadata excel uploaded while creating the Report Generation Metadata-XML

Figure 21: Output Configuration

Output Configuration (15)			
Unwrap			
<input type="checkbox"/>	ID	Entity Name	Parent Entity Name
<input checked="" type="checkbox"/>	2262	WORK	MAIN
<input type="checkbox"/>	2269	TYPE_INFO	INFO_PART
<input type="checkbox"/>	2275	KO_INFO	INFO_PART
<input type="checkbox"/>	2278	OPER_INFO	INFO_PART
<input type="checkbox"/>	2299	DOP_OPER_INFO	INFO_PART

Table 15: Output Configuration

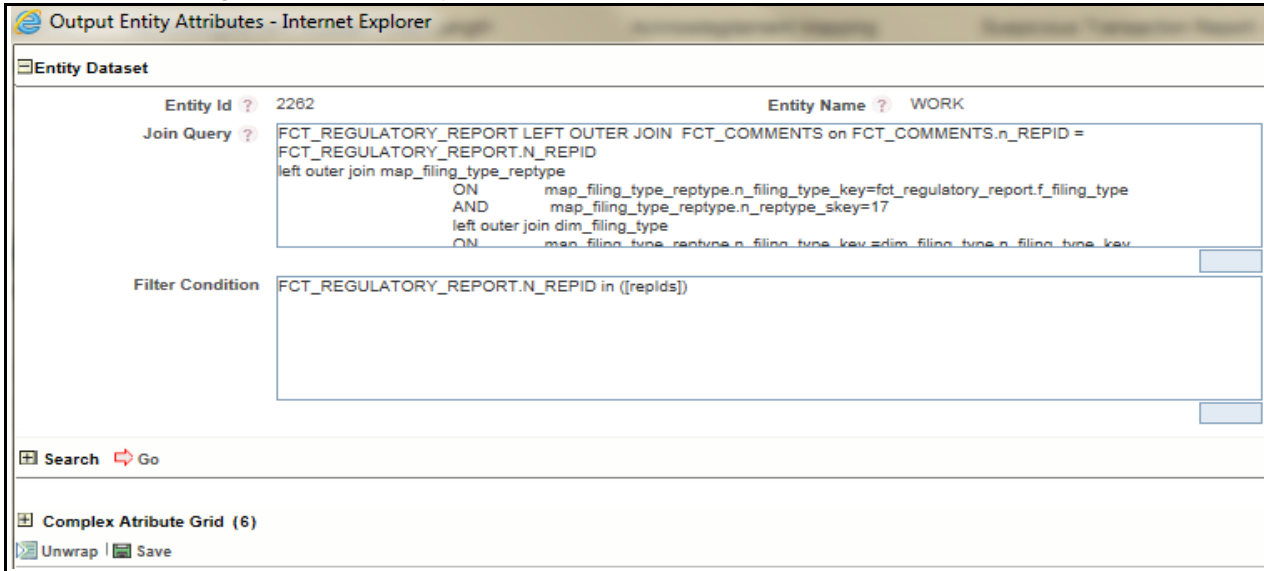
Fields	Description
ID	This column displays the ID number of the Output Configuration
Entity Name	This column displays the Entity name of the Output Configuration
Parent Entity Name	This column displays the Parent Entity name of the Output Configuration

5.2.1.3 Managing Output Configuration

The Output Configuration grid shows all the types fetched from the metadata excel uploaded while creating the Report Generation Metadata-XML. Each Element of Output Configuration indicates the table and each attribute in Output Configuration indicates the column of that table. So we receive the data from tables and columns of Business Data from source system. To view or edit the details follow the below given steps:

1. Click the **ID number** given in the ID column. **Output Entity Attributes** window is open.
2. Following are the grids shown in the window:
 - Entity Dataset Grid
 - Search Grid
 - Complex Attribute Grid

Figure 22: Complex Type Definition Window



5.2.1.3.1 Entity Dataset Grid

This grid has four fields Entity Id, Entity Name, Join Query and Filter Condition. The details are displayed here, the Entity Id and Entity name cannot be edited. Query can be added as required.

5.2.1.3.2 Search Grid

This field enables the user to search the complex type based on few entities. This grid has three fields Attribute Name, Table Name and Column Name. These fields can be used to search the attributes from the various attributes available in the complex attribute grid.

5.2.1.3.3 Complex Attribute Grid

This grid displays the number of attributes available in this Id. The table name and the column name can be edited in the list.

Figure 23: Complex Attribute Grid

Attribute Name	Table Name	Column Name
<input checked="" type="checkbox"/> DEPARTMENT		V_ATTRIBUTE_VALUE1
<input type="checkbox"/> ASYSTEM		V_ATTRIBUTE_VALUE2
<input type="checkbox"/> MESSAGEID		(case when V_FILING_TYPE_CODE ='N' THEN TO_...
<input type="checkbox"/> DATE		to_char(sysdate,'YYYY-MM-DD')
<input type="checkbox"/> DESCRIPTION	FCT_COMMENTS	V_COMMENTS

Table 16: Complex Attribute Grid Details

Fields	Description
Attribute Name	This column displays the attribute name.
Table Name	This column displays the Table name. Once the attribute is selected this field editable.
Column Name	This column displays the Column name. Once the attribute is selected this field editable.

3. Click **Save** to save the changes done in the Complex Type Definition window.

5.2.2 Mappings of XSD

Once this document is uploaded, it creates a row in configuration lists. Following are the steps:

1. When user clicks on that row they will be able to check the elements and attributes that a module was able to recognize automatically.
2. Now click on ID of an element and this opens a popup.
3. In the popup use have to provide the query to get data in this element.
4. User also have to provide any specific condition if it exists in filter text box.
5. In the popup user also be able to see the underlying attributes for selected element.
6. Use have to provide Table Column Mapping for each attribute for this element.

User have to take care of the following while providing the mapping:

- The names of attribute matches with the name of column for that table. This column should match with the field name on the UI where user for CRR application provides the data.
- We need to make sure that Data Type and Data Length to match for each attribute and table column mappings.

Once you have provided the mappings, click **Save** and **Submit** this module. This automatically performs the data ingestion process from the source system to generic XSD.

6 Acknowledgment

This chapter provides an overview on the Acknowledgment feature of CRR framework.

This chapter covers the following topics:

- [Introduction](#)
- [Workflow](#)
- [Prerequisites](#)
- [Excel Upload for mapping for Acknowledgment UI](#)
- [Uploading the excel sheet](#)
- [Managing Acknowledgment UI](#)

6.1 Introduction

The Regulatory Bodies of each country focus primarily on safeguarding the financial institutions and consumers from abuse and to provide transparency in the country's financial system. These regulatory bodies are also responsible for enhancing that country's security and deterring and detecting criminal activity in the financial system. As part of this goal, these regulatory bodies require the financial institutions to provide data regarding suspicious activities that lead to fraud and money laundering in a financial institution. This data is delivered to the regulatory bodies through regulatory reports. These reports, depending on the regulatory geographic region, can be delivered in a paper format or in an electronic format.

Suspicious Transaction Reports (STRs) or Suspicious Activity Reports (SARs) are the types of reports that are submitted to the regulator indicating the suspicious activity. These formats vary depending on the regulator to which it is submitted.

Once the SARs are submitted to the regulator, the regulator provides the feedback in the form of acknowledgment. This acknowledgment can be in a form of Unique Identifier or sometimes it contains information like which report is rejected, why it is rejected, and so on.

Acknowledgment varies from report to report. Acknowledgment can be done on a Batch Level or on a Report Level.

Acknowledgment can be received in the following ways:

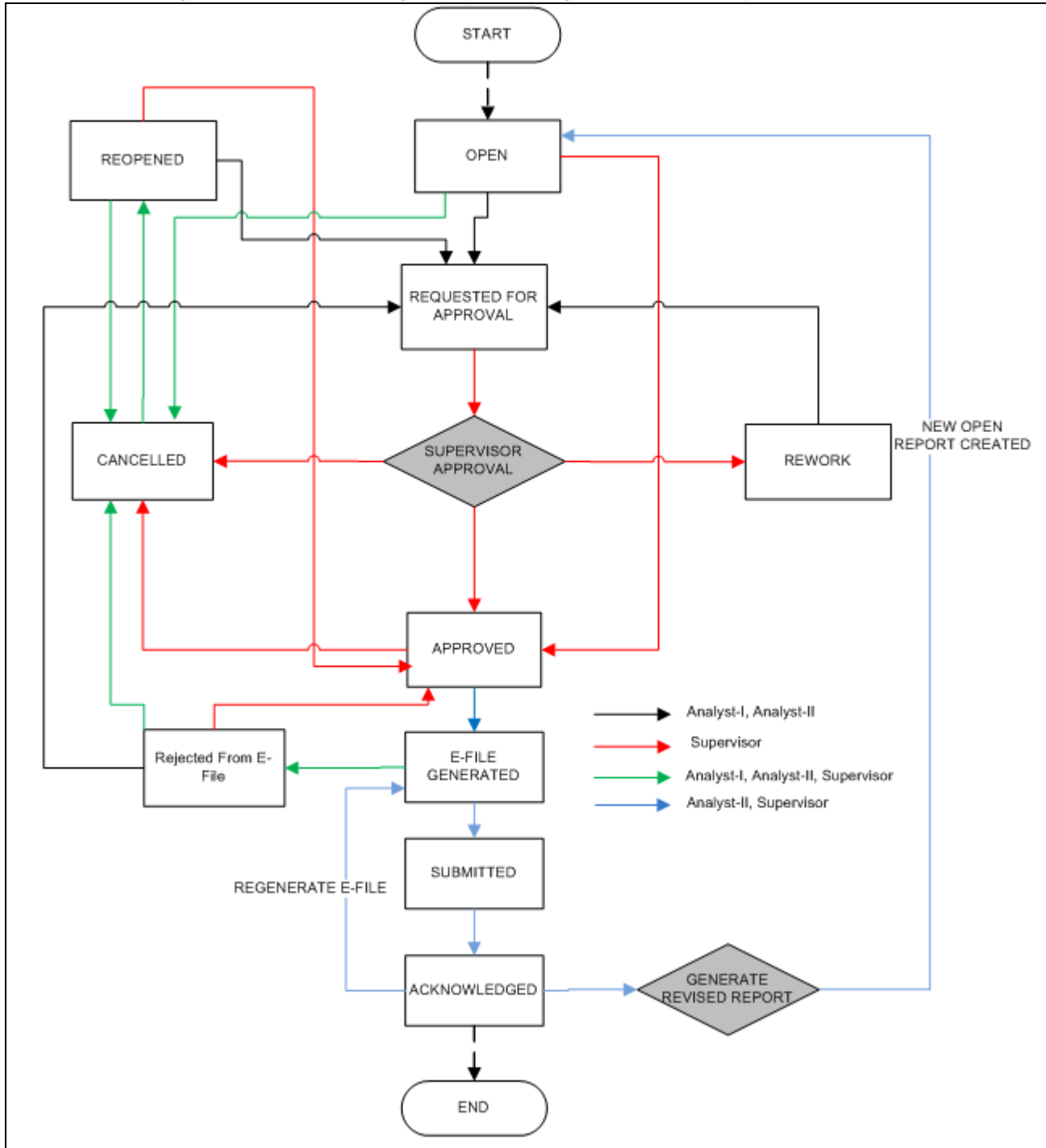
- Batch
- Report
- Report and Batch

6.2 Workflow

This section explains the workflow of regulatory reports for users mapped to the role of Analyst and Supervisor.

The following figure depicts the workflow involved in Compliance Regulatory Reporting application

Figure 24: Compliance Regulatory Reporting workflow for Analyst and Supervisor



An STR is created in the Compliance Regulatory Reporting application as a result of taking *Generate STR* action from within OFSFCCM or manually creating a report from OFSCRR. When an STR is created in the Compliance Regulatory Reporting application through OFSFCCM, the report details are auto-populated with information from the alert or case which triggered the action to generate the STR. Users mapped to the role of Analyst can update the report in *Open* status and request the report details for approval. During the edit and review process, the STR is available to view as a draft report.

The Supervisor can approve, rework, and cancel filing of reports once the Analyst user has requested for approval.

Supervisors can also edit the report details and approve reports directly, if needed.

If the STR is approved by the Supervisor, the Compliance Regulatory Reporting application generates the STR in

final PDF format after all the necessary validations. The STR is then manually submitted to the Regulator.

Once the SARs are submitted to the regulator, the regulator provides the feedback in the form of acknowledgment. This acknowledgment can be in a form of Unique Identifier or sometimes it contains information like which report is rejected, why it is rejected, and so on.

An Analyst or Supervisor can generate revised reports when the report is in *Submitted* status. A new report is created with *Open* status. There is no change to the STR status. The new report retains all the details of the original report.

and records the originating report as the Prior Report Number.

The Supervisor can cancel the reports when the report is in *Open*, *Reopened*, *Requested for Approval*, and *Approved* status. The STR status changes to *Canceled*.

If required, the Supervisor can send the reports for rework when the report is in *Request for Approval* status. The

analyst must then rework and re-submit the report for approval. This process continues until the report is approved

or canceled.

The application allows authorized users to reopen canceled reports. The STR status then changes to *Reopened*.

An STR has a life cycle which begins with the *Open* status and ends when it is in *Submitted* status.

If the report is already opened by another user, the following message is displayed: *This report is currently locked by*

another user. You will not be able to edit/take action on the report. Do you wish to open report details in read only mode?

6.3 Prerequisites

To access the *Configuration Upload* menu, the user must be mapped to the function `MENUACCESS`.

6.4 Excel Upload for mapping for Acknowledgment UI

The user uploads the excel sheet that contains details about the column - field mapping for Acknowledgment form, as received from the regulator.

The excel sheet gets the details as follows:

- Mapping from the acknowledgment sheet to table column
- Mapping from table column to field displayed in UI.

Following is an example of a sample acknowledgment form as received from the regulator:

Figure 25: Sample Acknowledgment

```

A Your batch has been processed. / votre lot a ete traite.
A2 Report type / Genre de declarations : LCTR
A3 Batch type / Categorie de lot : A
A4 Operational mode / Mode operationnel : P
A5 Date batch processed by FINTRAC / Date de traitement par CANAFE : 20050723
A6 Time batch processed by FINTRAC / Heure de traitement par CANAFE : 041733
B Batch ID / Identification du lot
B2 Date / Date : 20050722
B3 Time / Heure : 234527
B4 Batch sequence ID / Numero seq. d'identification du lot : 00003
C Batch processing messages / Messages portant sur le traitement du lot
C2 Batch accepted / Lot accepte
C3 Sub-headers accepted / Sous-en-têtes de lot acceptes : 00001
C4 Reports rejected / Declarations rejetees : 1
C4 Duplicate reports ignored / Declarations en double mises de côte : 0
C4 Reports deleted / Declarations supprimees : 0
C4 New reports accepted / Nouvelles declarations acceptees : 3
C4 Total reports processed / Nombre de declarations traitees : 4
D Messages on accepted reports, reports in error and reports rejected
D Messages portant sur les decl. acceptees, avec des erreurs et rejetees
D A = Sub-header / Sous-en-tête
D B = Report sequence / Sequence de la declaration
D C = RE report reference number / Numero de reference de declaration de l'ED
D D = Transaction / Operation
D E = Disposition / Repartition
D F = Field / Champ
D G = Message code / Code de message
D * = Reject indicator / Indicateur de rejet
D A B C D E F G
D2 : 1 : 1 : 111111234567 : 1 : : D.6 : 329 *
D2 : 1 : 2 : 111111234568 : 1 : : D.14 : 9
D2 : 1 : 3 : 111111234569 : 1 : : B1.7A : 329
E Accepted sub-header and report processing totals
E Nombre de sous-en-têtes acceptes et de declarations traitees avec succès
E Sub-header Report count
E Sous-en-tête Nombre de declarations

F End of report / Fin du rapport
    
```

The user reads the acknowledgment file and extracts the required details for a batch or report. The user then uploads the excel through the *Excel Upload* feature. The system will automatically develop a UI which will then read the uploaded acknowledgment file and then reflect the data in UI.

Following is the example of the excel sheet to be uploaded

Table 17: Sample Excel Sheet:

Physical Table Name"	Physical Column Name	Field Name	Tag Name	Field Type	Delimiter	Is Batch	Section Identifier	Field Position
FCT_ACK_MASTER	V_MASTC OL1	Batch sequence ID	B4 Batch sequence ID	Normal	:	Y	1A	1:2
FCT_ACK_MASTER	V_MASTC OL2	Report type	A2 Report type	Normal	:	Y	1A	3:5
FCT_ACK_MASTER	V_MASTC OL3	Batch type	A3 Batch type	Normal	:	Y		
FCT_ACK_MASTER	V_MASTC OL4	Date batch processed by FINTRAC	A5 Date batch processed by FINTRAC	Normal	:	Y		
FCT_ACK_MASTER	V_MASTC OL5	Time batch processed by FINTRAC	A6 Time batch processed by FINTRAC	Normal	:	Y		
FCT_ACK_MASTER	V_MASTC OL6	Batch Status	C2 Batch accepted	Normal	:	Y		
FCT_ACK_MASTER	V_MASTC OL7	Sub-headers accepted	C3 Sub-headers accepted	Normal	:	Y		
FCT_ACK_MASTER	V_MASTC OL8	Reports rejected	C4 Reports rejected	Normal	:	Y		
FCT_ACK_MASTER	V_MASTC OL9	Duplicate reports ignored	C4 Duplicate reports ignored	Normal	:	Y		
FCT_ACK_MASTER	V_MASTC OL10	Reports deleted	C4 Reports deleted	Normal	:	Y		

Physical Table Name"	Physical Column Name	Field Name	Tag Name	Field Type	Delimiter	Is Batch	Section Identifier	Field Position
FCT_ACK_DETAILS	V_DTLSC OL1	Report Number	IF C2="Batch is Accepted" THEN C6{3}: IF C2="Batch is Rejected" THEN D2{3}	Condition	:	N		
FCT_ACK_DETAILS	V_DTLSC OL2	Sub-header sequence number	IF C2="Batch is Accepted" THEN C6 A: IF C2="Batch is Rejected" THEN D2{1}	Condition	:	N		
FCT_ACK_DETAILS	V_DTLSC OL3	Report sequence number	IF C2="Batch is Accepted" THEN C6 B: IF C2="Batch is Rejected" THEN D2{2}	Condition	:	N		
FCT_ACK_DETAILS	V_DTLSC OL4	Transaction Sequence Number	IF C2="Batch is Accepted" THEN C6 D: IF C2="Batch is Rejected" THEN D2{4}	Condition	:	N		

Physical Table Name"	Physical Column Name	Field Name	Tag Name	Field Type	Delimiter	Is Batch	Section Identifier	Field Position
FCT_ACK_DETAILS	V_DTLSC_OL5	Disposition Sequence Number	IF C2="Batch is Accepted" THEN C6 E: IF C2="Batch is Rejected" THEN D2{5}	Condition	:	N		
FCT_ACK_DETAILS	V_DTLSC_OL6	Field Number	IF C2="Batch is Accepted" THEN C6 F: IF C2="Batch is Rejected" THEN D2{6}	Condition	:	N		
FCT_ACK_DETAILS	V_DTLSC_OL7	Error Message	Reject code	Error	:	N		

The columns of *Table 3 Sample Excel Sheet* are explained below:

Table 18: Columns of the Sample Sheet

Fields	Description	Example
Physical Table Name	The Physical table where the acknowledgment processed data is stored.For data at e-file level select FCT_ACK_MASTER and for data at report level select table FCT_ACK_DETAILS.	
Physical Column Name	The Physical column to store the processed data in the corresponding selected physical table.The column with the proper data type should be selected. The tables contain ten placeholder columns for each data type.	
Field Name	The UI field name corresponding to a particular tag in the acknowledgment file.	
Tag Name	The Identifier of a data field in the acknowledgment file.It may also contain conditions in the IF...THEN format.The constants should be delimited by double quotes eg: "Batch is Accepted" .The column position within a tag needs to be placed in curly braces eg:D2{3}.Applicable only for delimiter based acknowledgment files.	C4 Reports rejected / Déclarations rejetées OR IF C2="Batch is Accepted" THEN C6{3}: IF C2="Batch is Rejected" THEN D2{3}
Field Type	The field type can be Normal, Conditional or Error.The Normal/Conditional type needs to be filled based on the value of "Tag Name".The Error signifies that the corresponding tag holds the processing error code/Success code for the efile.The error codes needs to be configured in the error table.	
Delimiter	This column holds the delimiter character for the acknowledgment file	Delimiter eg ":"
Is Batch	Y - indicates the info is at e-file level and N - indicates info at individual report level	Y/N
Section Identifier	Applicable for fixed length acknowledgment file.It is the identifier for a particular section	
Field Position	It Identifies the field position in the above section/line.The format is start-end	eg : 1-4

6.5 Uploading the excel sheet

To upload the excel sheet, follow these steps:

1. Login to the OFSAA application.
2. Select **Financial Services Regulatory Reporting** from the *Select Application* menu.
3. Select the STR as per your requirement.
4. Mouse over the Administration menu and click **Configuration Upload**.

The following screen is displayed:

Figure 26: Configuration Upload Screen

The screenshot shows a web application interface with a navigation bar at the top containing 'Regulatory Reporting' and 'Administration'. Below the navigation bar is a search area with a 'Report Type' dropdown menu. The main content area is titled 'Configuration Details (14)' and includes a 'Jump to Page' input field. Below this is a toolbar with icons for 'Unwrap', 'Create Configuration', 'Submit', and 'Export'. The central part of the screen is a table with the following columns: ID, Name, Description, Configuration Name, Status, and Doc. The table contains 14 rows of configuration data.

ID	Name	Description	Configuration Name	Status	Doc
4534	Delimiter Test 7	Burundi STR	Acknowledgement Mapping	Open	1
4510	Delimiter Test 6	Burundi STR	Acknowledgement Mapping	Closed	1
4466	Delimiter Test 5	Burundi STR	Acknowledgement Mapping	Closed	1
4460	Test 6	Egypt STR	Acknowledgement Mapping	Open	1
4450	Test 5	Egypt STR	Acknowledgement Mapping	Closed	1
4436	Test 4	Egypt STR	Acknowledgement Mapping	Closed	1
4430	Test 3	Egypt STR	Acknowledgement Mapping	Closed	1
4410	Delimiter Test 4	STR Burundi	Acknowledgement Mapping	Closed	1
4390	Delimiter Test 3	Delimiter Test 3	Acknowledgement Mapping	Open	1
4370	Delimiter Test 2	Delimiter Test 2	Acknowledgement Mapping	Open	1

5. Click **Create Configuration**.The following window is displayed:

Figure 27: Create Configuration Window

The screenshot shows a 'Create Configuration Window' dialog box with a menu bar (File, Edit, View, Favorites, Tools, Help). The dialog contains several input fields: 'Name * ?' (text box), 'Description ?' (text box), 'Report Type * ?' (dropdown menu with 'STR-MY' selected), 'Document Type * ?' (dropdown menu with 'Acknowledgement Mapping' selected), and 'Metadata Excel * ?' (text box with a 'Browse...' button). At the bottom of the dialog are 'Save' and 'Close' buttons.

6. Enter the details in the following fields

Table 19: Create Configuration

Fields	Description
Name	Enter the name for the report.
Description	Enter the description for the report.
Report Type	Select the report type from the drop-down list.
Document Type Metadata	Select the document type metadata from the drop-down list.
Excel	Click Browse to attach the excel sheet saved in your local system.

7. Click **Save**. The status of the report is in *Draft* status.
8. Click **Submit**. The status of the report then changes to *Open*.

Run the JSP file. The acknowledgment details are available in the acknowledgment UI.

6.6 Managing Acknowledgment UI

After the acknowledgment form is uploaded, the system automatically generates an acknowledgment UI. To access the acknowledgment UI, mouse over the *Administration* menu and click **Ack Form Test**.

This UI reads the data from the acknowledgment file. The user can search for the acknowledgment for the batch or report and view the details.

The user can also take the following actions:

- Change the status for the report and Batch
- Mark the report or batch as corrected
- Make the each rejected file as rejected

Figure 28: Acknowledgment screen

Regulatory Reporting Administration

Search Go Reset

Report type ? [] Batch type ? []
 Date batch processed by FINTRAC ? [] Time batch processed by FINTRAC ? []
 Batch Status ? [] Sub-headers accepted ? []
 Reports rejected ? [] Duplicate reports ignored ? []
 Reports deleted ? [] New reports accepted ? []
 Total reports processed ? []

Acknowledgment Details (5)
 Unwrap Export

Report type	Batch type	Date batch processed by FINTRAC	Time batch processed by FINTRAC	Batch Status	Sub-headers accepted	Reports rejected	Duplicate reports ignored	New reports accepted
<input type="checkbox"/> LCTR	A	P	20050723	041733	20050722	234527	3	
<input type="checkbox"/> LCTR	A	P	20050723	041733	20050722	234527	3	
<input type="checkbox"/>		11	876543210987654321543210315...					
<input type="checkbox"/> LCTR	A	P	20050723	041733	20050722	234527	3	
<input checked="" type="checkbox"/> LCTR	A	P	20050723	041733	20050722	234527	3	

Batch Acknowledgement Details

Report type ? LCTR Batch type ? A
 Date batch processed by FINTRAC ? P Time batch processed by FINTRAC ? 20050723
 Batch Status ? 041733 Sub-headers accepted ? 20050722
 Reports rejected ? 234527 Duplicate reports ignored ? 3
 Reports deleted ? 00001 New reports accepted ? 1
 Total reports processed ? 0

Report Details (3)
 Unwrap Export

Field Number	Reject code	Error Message	Report Number	Sub-header sequence number	Report sequence number	Transaction Sequence Number	Disp
<input type="checkbox"/> D.6	329 *		111111234567	1	1	1	
<input type="checkbox"/> D.14	9		111111234568	1	2	1	
<input type="checkbox"/> B1.7A	329		111111234569	1	3	1	

The layout of the acknowledgment screen varies as per the data provided by the user.

Following are the components of the acknowledgment screen:

- Search
- Acknowledgment Details
- Batch Acknowledgment Details
- Report Details

6.6.1 Search

Search acknowledgment section allows user to search the acknowledgment based on field populated. This section contain all the fields required to search for a report or batch.

Figure 29: Search

Search Go Reset

Report type ?	<input type="text"/>	Batch type ?	<input type="text"/>
Date batch processed by FINTRAC ?	<input type="text"/>	Time batch processed by FINTRAC ?	<input type="text"/>
Batch Status ?	<input type="text"/>	Sub-headers accepted ?	<input type="text"/>
Reports rejected ?	<input type="text"/>	Duplicate reports ignored ?	<input type="text"/>
Reports deleted ?	<input type="text"/>	New reports accepted ?	<input type="text"/>
Total reports processed ?	<input type="text"/>		

These fields are configurable. It will vary as per the data provided by the user in the acknowledgment configuration sheet.

6.6.2 Acknowledgment Details

Acknowledgment details grid shown in the below image displays the details for the report or batch selected.

Figure 30: Acknowledgment Details

Report ID	Batch Status	Sub-headers accepted	Reports rejected	Duplicate reports ignored	Reports deleted	New reports accepted	Total reports processed
041733		20050722	234527	3	00001	1	0
041733		20050722	234527	3	00001	1	0
?1543210315...							
041733		20050722	234527	3	00001	1	0
041733		20050722	234527	3	00001	1	0

These fields are configurable. It will vary as per the data provided by the user in the acknowledgment configuration sheet.

6.6.3 Batch Acknowledgment Details

Batch Acknowledgment Details grid shown in the below image displays the details of selected batch. It displays all the columns of the batch.

Batch Acknowledgement Details			
Report type ?	LCTR	Batch type ?	A
Date batch processed by FINTRAC ?	P	Time batch processed by FINTRAC ?	20050723
Batch Status ?	041733	Sub-headers accepted ?	20050722
Reports rejected ?	234527	Duplicate reports ignored ?	3
Reports deleted ?	00001	New reports accepted ?	1
Total reports processed ?	0		

Figure 31: Batch Acknowledgment Details

These fields are configurable. It will vary as per the data provided by the user in the acknowledgment configuration sheet.

6.6.4 Report Details

Report Details grid shown in the image bellow displays all the details for each report.

Figure 32: Report Details

Report Details (3)							
Unwrap Export							
	Field Number	Reject code	Error Message	Report Number	Sub-header sequence number	Report sequence number	Transaction Sequence Number
<input type="checkbox"/>	D.6	329 *		111111234567	1	1	1
<input type="checkbox"/>	D.14	9		111111234568	1	2	1
<input type="checkbox"/>	B1.7A	329		111111234569	1	3	1

These fields are configurable. It will vary as per the data provided by the user in the acknowledgment configuration sheet.

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