Oracle® Banking Treasury Management

EMS Interface User Guide

Release 14.7.3.0.0

ORACLE®

Oracle Banking Treasury Management EMS Interface User Guide, Release 14.7.3.0.0

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Preface

This manual is designed to help acquaint the user with the EMS Interface User Guide of Oracle Banking Treasury Management.

This preface has the following topics:

- Audience
- Acronyms and Abbreviations
- Conventions
- List of Topics
- Related Resources
- Symbols and Icons

Audience

This manual is intended for the following audience:

- Back office data entry Clerks
- Back office Managers/Officers
- Product Managers
- End of day operators
- Financial Controller/Product Managers

Acronyms and Abbreviations

The acronyms and abbreviations are listed in this below table:

Table 1   Abbreviations and Acronyms

Abbreviations or Acronyms	Definition
EMS	Electronic Messaging Service
DB	Database
ASCII	American Standard Code for Information Interchange
FTP	File Transfer Protocol

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`monospace`	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

List of Topics

This guide is organized as follows:

Table 2   List of Topics

Topics	Description
OBTR EMS Interface	Explains about the EMS (Electronic Messaging Service) interface between external systems and OBTR.
Maintaining Interface specific Details	Explains the Relationship Processing in Security Repo.

Related Resources

For more information, see these Oracle resources:

- *Oracle Banking Treasury Management Installation Manuals*
- *Procedures User Guide*

Symbols and Icons

Table 3   Symbols

Icons	Function
✕	Exit
+	Add row
–	Delete row
🔍	Option List

> **Note:**
>
> The images used in the documentation are of illustration purpose and need to be used only for reference.

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The OBTR EMS Interface

The EMS or the Electronic Messaging Service is a messaging interface between external systems and Oracle Banking Treasury Management. This interface is implemented with the help of two windows services, one each for In and Out processing. This interface enables a connection to be established between Oracle Banking Treasury Management and the external systems network resource for sending and receiving information.

The in-service connects to the external system resource (Windows machine, UNIX machine or MSMQ server) and transfers the data to the local windows machine, where the message is processed and uploaded to Oracle Banking Treasury Management.

The out-service polls on an Oracle Banking Treasury Management out table. As soon as a message is generated in the out table, it is picked up, formatted if required (for example, as a MS-Word document) and delivered to the external system through one of the delivery modes (FTP, MSMQ etc.). This chapter contains the following sections:

- Brief Description of the Process
  This topic describes the incoming messages and outgoing messages.

- EMS Details Maintenance
  This topic describes the EMS details maintenance such as message media maintenance, message media control maintenance, and folder structure maintenance.

1.1 Brief Description of the Process

This topic describes the incoming messages and outgoing messages.

This topic contains the following subtopics:

- For Incoming Messages
  This topic describes the incoming message for derlivery modes and queue delivery mode.

- For Outgoing Messages
  This topic describe sthe outgoing messages for delivery modes and queue delivery mode

1.1.1 For Incoming Messages

This topic describes the incoming message for derlivery modes and queue delivery mode.

For the delivery modes NT and FTP

The message files are to be placed in the EMS\SWIFT\In\Ready, in the EMS server. The incoming message service (In-service) copies the file to the folder EMS\SWIFT\IN\WIP and performs further processes like formatting etc. Once the processes are completed, the file is moved to the folder EMS\SWIFT\IN\PROCESSED.

Though all the folders are maintained in the EMS server, they can be mapped to any system.

For the queue delivery mode

The messages are placed by the external system in the in queue. They are moved from there to the backup queue and sent for processing. Once processing is successful, the message is moved to the final queue.

1.1.2 For Outgoing Messages

This topic describe sthe outgoing messages for delivery modes and queue delivery mode

For delivery modes NT and FTP

The messages are selected from the Oracle Banking Treasury Management out table, formatted if required and moved to the folder EMS\SWIFT\OUT\WIP. From here, the file is picked up and moved to EMS\SWIFT\OUT.

For the queue delivery mode

The messages are sent to the out queue.

1.2 EMS Details Maintenance

This topic describes the EMS details maintenance such as message media maintenance, message media control maintenance, and folder structure maintenance.

The following maintenance are required for the EMS:

- Message Media Maintenance

- Message Media Control Maintenance

- Maintaining Folder structure

- Specifying Parameters and Values

This topics has the following sub-topics:

- Maintain Message Media
  The systematic instruction to maintain message media is explained in this topic.

- Message Media Control
  The systematic instruction to message media control is explained in this topic.

- Maintain Folder Structure for Delivery Mode Folder and Delivery Mode Queue
  This topic describes the folder structure maintenance for delivery mode.

- Specify Parameters and Values for OBTR Properties File
  This topic describes how to specify the parameters and values for OBTR properties file.

1.2.1 Maintain Message Media

The systematic instruction to maintain message media is explained in this topic.

1. On the Home page, enter **MSDMEDMT** in the text field and then click the next arrow.

   The **Media Maintenance** screen is displayed.

Figure 1-1   Media Maintenance

2. On the **Media Maintenance** screen, specify the fields.

Table 1-1   Media Maintenance- Field Description

Field	Description
Media Code	Specify the media used for message propagation. For example: SWIFT, MAIL, etc.
Media Description	Specify the Media Code.
Message Suffix	Specify the Suffix to be added in the message.
Message Terminator	Specify the Terminator to be added in the message
Number Characters	Specify the total length of the message.
Media Priority	Specify the media priority. Based on the priority, the messages are processed with the media concerned.
Padding Required	Check this option if padding is required. Padding letters are added at the end of the each message.

1.2.2 Message Media Control

The systematic instruction to message media control is explained in this topic.

(Optional) Enter contextual information here, including the purpose of the task.

1. On the Home page, enter **MSDMGMCS** in the text field and then click the next arrow.

   The **Message Media Control Systems** screen is displayed.

Figure 1-2   Message Media Control Systems

2. On the **Message Control Systems** screen, specify the fields.

Table 1-2   Message Control Systems- Field Description

Field	Description
Node	Specify the DB instance name.
Media	Select the Media type from the drop-down list. The valid media maintained in the system are displayed in the drop-down list.
Status	Select the status. The available options are • **Active** • **Passive**
Delivery Type	Indicate the mode of the delivery. The available options are: • **Folder** • **Queue**
In Directory	Specify the directory in which the message files are to be placed by the external system (only for EMS_IN if delivery type is 'Folder'.
Out Directory	Specify the directory in which the message files are sent to external system (only for EMS_OUT)
In Queue	Specify the queue in which the message files are to be placed by the external system (only for EMS_IN if delivery type is 'Folder'. If delivery type is 'Queue'
Out Queue	Specify the queue in which the message files are sent to external system (only for EMS_OUT).
Message Queue	Select the queuing software used in the bank.

1.2.3 Maintain Folder Structure for Delivery Mode Folder and Delivery Mode Queue

This topic describes the folder structure maintenance for delivery mode.

You should maintain the following folder structure on the Application server machine:

Figure 1-3   Delivery Mode Folder
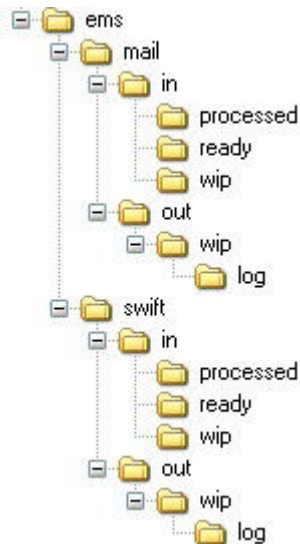
The sub-folders for the media – MAIL and SWIFT – exist under the parent folder EMS.

Folder Structure for Delivery Mode Queue

You should maintain the following folder structure on the Application server machine:

Figure 1-4   Folder Structure for Delivery Mode Queue
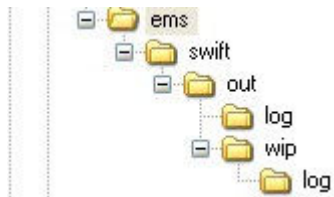
The sub-folders for the media – SWIFT – exist under the parent folder EMS.

1.2.4 Specify Parameters and Values for OBTR Properties File

This topic describes how to specify the parameters and values for OBTR properties file.

You should be specify the following parameter values in OBTR properties file.

For Delivery Mode Folder

Table 1-3   For Delivery Mode Folder

Parameter	Description
EMS_INT_QCF	Internal Queue Connection Factory. Example: (EmsQcf)
EMS_OUT_JMS_DLQ	Out messages dead letter queue. Example: (NOTI-FY_QUEUE_DLQ)
EMS_IN_JMS_DLQ	In messages dead letter queue. Example: (NOTI-FY_QUEUE_DLQ)
EMS_FILE_TRANSFER_MODE	Mode of file transfer. Example: FTP etc.
FTP_SRVR	FTP Server IP Address. Example: 169.165.98.11(if file Transfer Mode is ftp)
FTP_ID	FTP Server user Id (if file Transfer Mode is ftp)
FTP_PWD	FTP Server Password. Example: 2fb0x66QSug=(FTP Server Password in encrypt format)
FILE_TYPE	file type. Example: .txt, .xlsx etc
SWIFT_FORMAT	1
MSG_DELIMITER	YES
MSG_TERMINATOR	YES
MEDIA	SWIFT

For Delivery Mode Queue

Table 1-4   For Delivery Mode Queue

Parameter	Description
EMS_EXT_QCF	Out Queue Connection Factory - External System
EMS_INT_QCF	Internal Queue Connection Factory Examples(EmsQcf)
EMS_OUT_JMS_DLQ	Out messages dead letter queue Examples (NOTI-FY_QUEUE_DLQ)
EMS_IN_JMS_DLQ	in messages dead letter queue Examples (NOTI-FY_QUEUE_DLQ)
EMS_INIT_CTX_FACT	Application server context factory class in which server external queue create examples (web- logic.jndi.WLInitialContextFactory)
EMS_PRVDR_URL	Application server ip address in which server exter- nal queue create example weblogic server t3:// 127.0.0.1:7001
EMS_QUEUE_PRINCIPAL	Application server User Id in which external queue create.
EMS_QUEUE_CREDENTIALS	Application server Password in which external queue create.
EMS_FILE_TRANSFER_MODE	Mode of file transfer Examples FTP etc..
FTP_SRVR	FTP Server IP Address Examples 169.165.98.11(if file Transfer Mode is ftp)
FTP_ID	FTP Server userId (if file Transfer Mode is ftp)
FTP_PWD	FTP Server Password Examples 2fb0x66QSug=(FTP Server Password in encrypt format)
FILE_TYPE	file type examples .txt,.xlsx etc ..

Table 1-4   (Cont.) For Delivery Mode Queue

Parameter	Description
SWIFT_FORMAT	1
MSG_DELIMITER	YES
MSG_TERMINATOR	YES
MEDIA	SWIFT

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Maintaining Interface Specific Details

Oracle Banking Treasury Management is an international universal banking solution catering to the treasury back office functions among other modules.

The details of all customer account transactions can be handed off to the external systems existing within your bank, through an interface. This document outlines the specifications of the interface between Oracle Banking Treasury Management and the external systems.

The interface handles (hands off) data pertaining to the following functions:

- Account Statement hand off – the account statement hand off is performed based on the account statement cycle, maintained in the customer account maintenance, whereby the details of all account statements are generated.

The salient features of the interface are as follows:

- Data is transferred to the external system (s) through ASCII files in predefined file formats.

- Data is handed off at the end of the business day as a Batch file to the external system.

> **✎ Note:**
>
> If Handoff fails you will need to trigger it once again.

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MSDMEDMT- Media Maintenance, *1-2*

MSDMGMCS- Message Media Control Systems, *1-3*