

Cash Flow Forecasting User Guide  
**Oracle Banking Cash Management**

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# 1. About this Manual

## 1.1 Introduction

This manual is designed to help acquaint you with the Oracle Banking Cash Management (OBCM).

It provides an overview of the system and guides you, through the various steps involved in setting up and providing the cash management services for the customers of your bank.

## 1.2 Audience

This manual is intended for the following User/User Roles:

Role	Function
Back office executive	Input functions for transactions
Back office managers/officers	Authorization functions
Product Managers	Product definition and authorization

## 1.3 Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/us/corporate/accessibility/index.html>.

## 1.4 Document Structure

This manual is organized into the following chapters:

Chapter	Description
Chapter 1	About this manual: This chapter gives information on the intended audience, abbreviations, icons, and summary of chapters covered in this user manual.
Chapter 2	Cashflow Forecasting - an overview: This chapter lists the benefits and functionalities provided by Cashflow Forecasting module.
Chapter 3	Setting up reference data for cashflow forecasting.
Chapter 4	File Management
Chapter 5	Performing inquiries.















## 1.5 Abbreviations

Abbreviation	Detailed Description
OBCM	Oracle Banking Cash Management
API	Application Programming Interface
AI	Artificial Intelligence

Abbreviation	Detailed Description
ML	Machine Learning
FX	Foreign Exchange

## 1.6 Glossary of Icons

This User Manual may refer to all or some of the following icons:

Icon	Function
	Close
	Add a row
	Delete a row
	Search (Fetch)
	Refresh
	Collapse
	Expand
	Options
	Authorize
	Unlock
	Delete
	Copy
	View
	Add/Remove Column

---

## 2. Cash Flow Forecasting

### 2.1 Overview

Cashflow Forecasting module of the OBCM system automates the process of forecasting cash by projecting the inflows and outflows for a corporate over a period. This data is received from various other systems via API's. Through inbuilt AI and ML algorithms, payment behavior of the counterparty is learned to forecast the future behavior accurately.

### 2.2 Benefits

- **Accurate Forecasting** – Manage accurate forecasting by consolidating forecast collection inputs through seamless integration with internal systems.
- **Automated Cashflow Forecast** – Calculate the net deficit and surplus for a specific frequency by data received as inflow and outflow data through API/File upload. Automated learning of customer payment behavior.
- **Reporting & Analytics** – View data in graphical/tabular form, sorted by various frequencies (weekly, monthly, and daily) at transaction level.
- **Flexibility** – Consolidate actual/reconciled payment and forecasted cash flow data to track overdue/short payment. Flexibility to delete forecasted data or modify the expected date/amount for forecasted data.
- **Cost Reduction** – Increased visibility of transactions and provides easy reconciliation thus helping corporates manage and control their cash flow and reduce costs.

### 2.3 Functionality

- Dashboards
- Cash Flow Forecasting
  - Cashflow Code Maintenance
  - Cashflow Inquiry

## 3. Setup Reference Data

### 3.1 Introduction

To enable the Cash Management related functionalities, there is certain amount of reference data that needs to be set up on day zero.

You may also need to identify administrators among the officers of your bank to whom you could assign the administration of cash management system.

This section explains the maintenance of such reference information for the Cash flow Forecasting module.

#### 3.1.1 Maintaining Core Reference Data

Your bank needs to set up certain core reference data for the cash management system to work such as list of country, currency, customer category, list of holidays, list of banks, branch, FX rates etc.

Refer to the 'Oracle Banking Common Core User Guide' for setting up core reference data.

### 3.2 Maintaining Cash Flow Codes

Cashflow forecasting projects the inflows and outflows for a corporate over a period. This data is received from various other systems via API's. For OBCM to accept the records; standard codes need to be maintained by which OBCM can identify and store such cashflow transactions.

This screen allows you to create/maintain codes along with description. It also allows you to maintain hierarchy for such codes.

#### 3.2.1 Create Cashflow Code

This screen is used to create cashflow codes or add sub-codes in a hierarchal format. The codes and sub codes can be created up to four levels of hierarchy. Codes can be maintained for 'Inflows' and/or 'Outflows'. The codes cannot be deleted once authorized; however, description can be modified.

Cashflow summary and detailed statement displays the description maintained here.

**Navigation Path:** *Cash Flow Forecasting > Maintenance > Cashflow Code Maintenance > Create Cashflow Code Maintenance*

1. Refer to the following table for specifying details on the above screen:

*Note: Fields marked with '\*' are mandatory.*

Field Name	Description
Corporate	Click the Search icon to select a specific customer for whom code needs to be created. Leaving this field blank creates a master code which will be applicable to all customers for a selected source application. This field cannot be modified once authorized.
Source Application *	Select the source application from where code will flow to OBCM.
Channel *	Select the channel from where code will flow to OBCM.
View Master Code	Click this link to view the existing master codes for selected combination of source application and channel. A pop-up screen opens from where you can select the inflows and outflows.

2. Perform the following steps in the **Inflows/Outflows** section as per your requirement:

- Click **Add New Code** to add a new row for a code to be added.
- Click **Add (+)** icon to add a new sub-level record.
- Click **Delete (trash)** icon to remove a record including its child records. Only un-authorized records can be deleted. In case if there is a hierarchy of codes, delete all the sub codes to delete the main code.
- Click **Expand All** to view the child-level records of all the codes.
- Click **Collapse All** to hide the child-level records of all the codes.

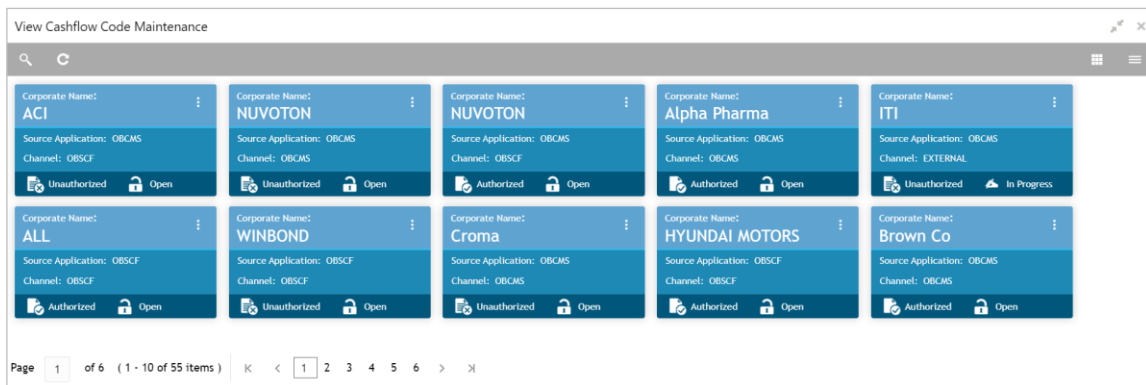
3. Click **Save** to save the record and send for authorization.



### 3.2.2 View Cashflow Code Maintenance

By using this screen, you can view, modify, delete, or authorize code details.

**Navigation Path:** *Cash Flow Forecasting > Maintenance > Cashflow Code Maintenance > View Cashflow Code Maintenance*



Perform the following steps to take actions on the cashflow codes. Click the Options (⋮) icon and then click any of the below option:

- **Unlock** – To modify the record details. Refer to the **Create Cashflow Code** section for field level details.
- **Authorize** – To authorize the code.
  - a. Optional: Click **View** to view the record details.
  - b. Select the record to authorize and then click **Confirm**.
- **Delete/Close** – To remove the record.
  - a. Optional: On the confirmation pop-up window, click **View** to view the record details.
  - b. Click **Proceed** to delete the record.
- **Copy** – To create a new cashflow code with same details for a new corporate.
- **View** – To view the cashflow code details.

## 4. Managing Files

The **File Management** functionality helps you to upload files in a pre-defined format. These files are auto-processed by the system based on its type and set rules. The process is mainly divided into two screens, i.e. 'File Upload' to feed the data into the system and 'View File Upload Status' to manage the uploaded files.

### 4.1 Upload Files

This screen is used to upload files for auto-processing the cashflow code/transaction data into system. The uploaded files are not processed until it is approved. The file can contain data records of cashflow codes and cashflow transactions etc. The file format accepted by the system includes ".csv" files.

Supported files and fields:

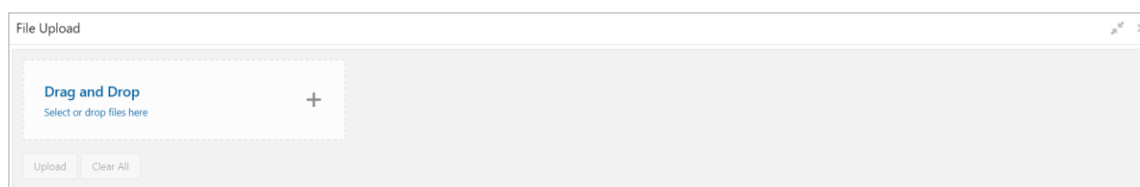
- Cashflow Code file

- |                 |                      |               |                |
|-----------------|----------------------|---------------|----------------|
| • CASHFLOW_TYPE | • SOURCE_APPLICATION | • CHANNEL     | • CORPORATE_ID |
| • CODE          |                      | • DESCRIPTION | • PARE         |

- Cashflow Transaction file

- |                          |                         |                |
|--------------------------|-------------------------|----------------|
| • EXTERNAL_REFERENCE_NO  | • EXPECTED_DATE         | • T_UDF_TXT_1  |
| • CASHFLOW_INDICATOR     | • REVISED_EXPECTED_DATE | • T_UDF_TXT_2  |
| • CORPORATE_ID           | • ACTUAL_DATE           | • T_UDF_TXT_3  |
| • CODE                   | • CHANNEL               | • T_UDF_TXT_4  |
| • DESCRIPTION            | • APPLICATION_NAME      | • T_UDF_TXT_5  |
| • BANK_ACCOUNT_NUMBER    | • PARTY_NAME            | • T_UDF_TXT_6  |
| • VIRTUAL_ACCOUNT_NUMBER | • PARTY_ID              | • T_UDF_TXT_7  |
| • AMOUNT                 | • STATUS                | • T_UDF_TXT_8  |
| • ACTUAL_AMOUNT          | • NARRATION             | • T_UDF_TXT_9  |
| • CCY                    | • CUSTOMER_REF_NO       | • T_UDF_TXT_10 |

**Navigation Path:** File Management > File Upload



1. Drag and drop the file to be uploaded in the highlighted box.

OR























Click inside the highlighted box to select the file to be uploaded.

2. Click **Upload** to upload the records from the file. Once the file is uploaded, it cannot be deleted.

## 4.2 View File Upload Status



This screen helps you to manage uploaded files.

**Navigation Path:** File Management > View File Upload Status



View File Upload Status										
Field	Maker Id	Checker Id	Status	Action	Remarks	Total Records	Successful	Failed	View Details	Maker Time Stamp
OBCM-CASHFLOW-TRANSACTION_837772931808.csv	 OBDX	OBDXC	P	Processed		1	0	1	<a href="#">Details</a>	2021-08-18T12:13:01.000+00:00
OBCM-CASHFLOW-TRANSACTION_475232501808.csv	 OBDX	OBDXC	P	Processed		1	0	1	<a href="#">Details</a>	2021-08-18T12:11:17.000+00:00
OBCM-CASHFLOW-TRANSACTION_362990081808.csv	 OBDX	OBDXC	P	Processed		1	0	1	<a href="#">Details</a>	2021-08-18T11:08:03.000+00:00
OBSFCM-PAYMENT_571609361808.csv	 OBDX	OBDXC	A	Processing Initiated		2	0	2		2021-08-18T11:06:04.000+00:00
OBCM-CASHFLOW-TRANSACTION_345753081808.csv	 OBDX	OBDXC	P	Processed		1	1	0	<a href="#">Details</a>	2021-08-18T09:42:02.000+00:00
OBCM-CASHFLOW-TRANSACTION_657675661808.csv	 OBDX	OBDXC	P	Processed		1	1	0	<a href="#">Details</a>	2021-08-18T09:40:53.000+00:00
OBSFCM-PAYMENT_372911251808.csv	 OBDX	OBDXC	P	Processed		5	5	0	<a href="#">Details</a>	2021-08-18T07:53:02.000+00:00
OBSFCM-INVOICES-SELLER_372731341808.csv	 OBDX	OBDXC	P	Processed		2	0	2	<a href="#">Details</a>	2021-08-18T06:53:28.000+00:00
OBCM-CASHFLOW-TRANSACTION_688474841808.csv	 OBDX	OBDXC	P	Processed		1	1	0	<a href="#">Details</a>	2021-08-18T06:48:55.000+00:00
OBSFCM-CREDIT-NOTE-SELLER_833985311708.csv	 OBDX	OBDXC	P	Processed		1	1	0	<a href="#">Details</a>	2021-08-17T17:20:35.000+00:00
OBSFCM-CREDIT-NOTE-SELLER_833985311708.csv	 OBDX	OBDXC	P	Processed		1	1	0	<a href="#">Details</a>	2021-08-17T17:20:35.000+00:00

To search the status of a specific file, specify any of the following criteria to filter the listed file jobs:

- In the **Filter by File Name** field, type partial ID or complete name of the file.
- In the **Filter by Maker ID** field, type partial or complete Maker ID used to create the file record.
- In the **Filter by Approver ID** field, type partial or complete Checker ID used to authorize the file.
- Click **Rejected Files** to view the list of rejected files.

Rejected File Data							
Field	Version	Maker Id	Checker Id	Status	Remarks	Maker Time Stamp	Checker Time Stamp
OBSFCM-INVOICES-BUYER_AUTO-210520203_833.csv	 1	GANESHM	VUAVC	R		2021-08-10T12:16:14.000+00:00	2021-08-19T08:02:25.000+00:00

Perform any of the following actions:

- Click the Download icon () to download the file.
- Click the Remarks icon () to view the comments added while uploading the file.
- Click **Approve** in the 'Action' column to process the file.
- Click **Details** to view details of the processed file.
- If required, click **Retry** in the 'Action' column to retry the processing.

## 5. Inquiries

### 5.1 Cashflow Inquiry

The 'Cashflow Inquiry' screen helps you to inquire status of expected debits and credits based on the various criteria such as 'File Name', 'Bank Account Number', 'External Reference Number', 'Date range', 'Amount range' etc.

**Navigation Path:** Cash Flow Forecasting > Inquiry > Cashflow Inquiry

The screenshot shows the 'Cashflow Inquiry' interface with the following fields and controls:

- File Name:** Text input field.
- External Reference Number:** Text input field with a search icon.
- Corporate Reference Number:** Text input field.
- Cashflow Type:** Dropdown menu with 'Select' as the current value.
- Source Application:** Dropdown menu with 'Select' as the current value.
- Corporate:** Text input field with a search icon.
- Cashflow Code:** Text input field.
- Account Number:** Text input field with a search icon.
- Amount Reference Basis:** Dropdown menu with 'Select' as the current value.
- Currency:** Dropdown menu with 'Select' as the current value.
- Amount From:** Text input field.
- Amount To:** Text input field.
- Date Reference Basis:** Dropdown menu with 'Select' as the current value.
- Date Range:** Date range selector with calendar icons.
- Channel:** Dropdown menu with 'Select' as the current value.
- Reconciliation Status:** Dropdown menu with 'Select' as the current value.
- Buttons:** 'Search' and 'Reset' buttons.

1. Refer to the following table for specifying details on the above screen:

*Note: Select the value for at least one mandatory field to search cashflow details. Fields marked with '\*' are mandatory.*

Field Name	Description
File Name *	Enter the file name to inquire for. File name must be of at least 5 alpha-numeric characters.
External Reference Number *	Enter the external reference number of the cashflow.
Corporate Reference Number	Enter the corporate reference number of the cashflow.
Cashflow Type	Select the cashflow type to search for inflow or outflow data.
Source Application	Select the source application impacted by the cashflow.
Corporate	Click the Search icon and select the beneficiary or remitter based on selected cashflow type.
Cashflow Code	Enter the specific cashflow code to inquire for.
Account Number	Click the Search icon and select the bank account number of the corporate.
Amount Reference Basis	Select the reference basis of the amount range as 'Expected Amount' or 'Reconciled Amount'.
Currency	Select the amount currency of the cashflow.
Amount From	Enter the lowest cashflow amount of the range.
Amount To	Enter the highest cashflow amount of the range.

Field Name	Description
Date Reference Basis *	Select the reference basis of the date range as 'Expected Date' or 'Reconciliation Date'.
Date Range *	Click the Calendar icon and select the date range. Maximum date range can be of 1 year.
Channel	Select the channel through which cashflow data is flowing.
Reconciliation Status	Select the reconciliation status of the cashflow to search by. You can select multiple reconciliation statuses.

2. Click **Search** to view the search result.

External Reference Number	Cashflow Type	Cashflow Description	Corporate	Expected Date	Currency	Expected Amount	Reconciliation Amount
00000002011	Outflow	Salaries		2020-10-01	USD	5,500.00	0.00
00000002012	Inflow	Sale of Investment Securities		2020-10-01	USD	5,500.00	0.00
00000002014	Outflow	Lincenses and Fee		2020-10-01	USD	5,500.00	0.00
00000002028	Outflow	ISOE		2020-10-04	LBP	323,232.00	0.00
00000002029	Outflow	ISOE		2020-10-03	LBP	323,232.00	0.00
00000002031	Outflow	Lincenses and Fee		2020-10-03	GBP	2,222.00	0.00
00000002032	Outflow	Lincenses and Fee		2020-10-02	USD	5,500.00	0.00
00000002035	Inflow	Interests		2020-10-02	GBP	900.00	0.00
00000002037	Inflow	Collections from Accounts Receivables		2020-10-04	USD	5,500.00	0.00
00000002038	Inflow	Collections from Accounts Receivables		2020-10-03	USD	5,500.00	0.00
00000002039	Inflow	Collections from Accounts Receivables		2020-10-02	GBP	1,100.00	0.00

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3. Optional: Click the external reference number to view more details.

4. Optional: Click the 'Add/Remove Columns' icon (🔍) to select columns to be displayed in the search result.

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## Reference and Feedback

### References

For more information on any related features, you can refer to the following documents:

- Receivables User Guide
- Tasks User Guide
- Security Management System User Guide
- Common Core User Guide
- Oracle Banking Getting Started User Guide

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