

US NACHA User Guide

# **Oracle Banking Payments**

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US NACHA User Guide  
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# 1. About this Manual

## 1.1 Introduction

This manual is designed to help you to quickly get familiar with the Oracle Banking Payments. It takes you through the various stages in processing US ACH Payments.

You can further obtain information specific to a particular field by placing the cursor on the relevant field and striking <F1> on the keyboard.

## 1.2 Audience

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

Role	Function
Payment Department Operators	Payments Transaction Input functions except Authorization
Back Office Payment Department Operators	Payments Related Maintenances/Payment Transaction Input functions except Authorization
Payment Department Officers	Payments Maintenance/ Transaction Authorization
Bank's Financial Controller/ Payment Department Manager	Host level processing related setup and Dashboard/ Query functions

## 1.3 Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.





## 1.4 Organization

This manual is organized into the following chapters:

Chapter	Description
Chapter 1	<i>About this Manual</i> gives information on the intended audience. It also lists the various chapters covered in this User Manual.
Chapter 2	<i>NACHA Payments</i> provides information on NACHA Payments.
Chapter 3	<i>Function ID Glossary</i> has alphabetical listing of Function/Screen ID's used in the module with page references for quick navigation.

## 1.5 Glossary of Icons

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

Icons	Function
	Exit
	Add row
	Delete row
	Option List

---

## 2. NACHA Payments

NACHA payments are US ACH payments managed and governed by NACHA (previously, 'National Automated Clearing House Association'). They include both Credit Transfers and Direct Debit collections. The ACH Network serves as a network for direct consumer, business, and government payments, and annually facilitates billions of payments such as Direct Deposits and Direct Payments (Collections). It is used by more than 10,000 Direct and Indirect financial institutions and numerous Third party Service providers.

The NACHA Payments module in Oracle Banking Payments has capability for end to end processing of outbound and inbound NACHA payments, right from receipt of file from customer or ACH Operator up until generation of outgoing NACHA file or posting to beneficiary accounts in case of inbound NACHA payments.

The NACHA Payments solution is designed for a depository institution who directly sends/ receives ACH files to/from ACH Operator on behalf of its own customers.

### **Highlights of NACHA Payments**

- Credit Transfer / Direct Debit Support
- Manual Payment Initiation
- Receipt of individual payment requests from bank channels and systems
- Processing of individual transactions for SEC codes
- Credit SEC Codes Supported: CCD/CTX/CIE/PPD/WEB/ACK/ATX
- Debit SEC Codes supported: CCD/CTX/PPD/ARC/BOC/POP/WEB/TEL/ RCK/XCK/ ACK/ATX
- NACHA rule validation
- STP of individual transactions up until the Dispatch activity, comprising activities like
  - Validation, Dates resolution, Cutoff check, Sanctions check etc.
- Enabling manual intervention in case of various exceptions through specific Operations (Exception) queues
- Generation and Dispatch of outgoing NACHA file comprising Credit Transfers Transactions
- Sanctions check by interfacing with an external Sanctions screening system
- External Credit Approval Check while processing outgoing Credit transfers
- Accounting
- NACHA file generation
- Receipt and STP of Inbound ACH file from ACH network
- NOC [Notification of Change] Support
- Non-STP Rule definition for NACHA payments
- Mandate based debit authorization
- Mail advice support for NACHA payments
- System supports itemized accounting for outgoing NACHA DD

## 2.1 NACHA Maintenances

### 2.1.1 US NACHA Credit Accounting Preference

You can invoke “US NACHA Credit Accounting Preference” screen by typing the function ID ‘PNDCRPRF’ in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

US NACHA Credit Accounting Preference

New Enter Query

Network Code \*  
Host Code \*  
Transaction Type Outbound  
Transfer Currency \*

Network Description  
Host Description  
Entry Type Credit  
Network Type Description

Payment Preferences R-Transaction Preferences

Accounting Code  
Debit Liquidation  
Credit Liquidation  
Dispatch Accounting  
Receipt Accounting

Maker Date Time: Mod No Record Status  
Checker Date Time: Authorization Status Exit

Specify the following fields:

#### **Network Code**

You can select the appropriate NACHA network Code from the list.

#### **Network Code Description**

This field gets defaulted on Network Code selected.

#### **Network Type Description**

This field gets defaulted on Network Code selected.

#### **Host Code**

System Defaults with Host Code to which the Logged in Branch is associated.

#### **Host Code Description**

This field gets defaulted on Host Code selected.

#### **Transaction Type**

Select the Transaction Type from the drop-down list:

- Outbound
- Inbound

#### **Entry Type**

This field gets defaulted to “Credit”, to indicate that the transaction is NACHA Credit transfer.

#### **Transfer Currency**

Specify the Transfer Currency in USD.

## 2.1.1.1 Payment Preferences

### Accounting Codes

#### **Debit Liquidation**

Specify the template for Debit Liquidation from the list of available accounting templates. You can select the template from the option list. The list displays all the accounting templates maintained in the system.

#### **Credit Liquidation**

Specify the template for Credit Liquidation.

#### **Dispatch Accounting**

The system populates the Account Currency.

#### **Receipt Accounting**

The system populates the Originator's name.

## 2.1.1.2 R-transaction Preferences

The screenshot shows a web interface for 'R-Transaction Preferences'. At the top, there are two tabs: 'Payment Preferences' and 'R-Transaction Preferences', with the latter being active. Below the tabs, the 'Accounting Codes' section contains four rows, each with a label and a text input field: 'Debit Liquidation', 'Credit Liquidation', 'Dispatch Accounting', and 'Receipt Accounting'. At the bottom of the form, there is a light blue footer area containing several fields: 'Maker' and 'Checker' (with a dropdown arrow), 'Date Time:' (with a dropdown arrow), 'Mod No', 'Record Status', and 'Authorization Status'. An 'Exit' button is located in the bottom right corner of the footer area.

### Accounting Codes

#### **Debit Liquidation**

Specify the template for Debit Liquidation from the list of available accounting templates. You can select the template from the option list. The list displays all the accounting templates maintained in the system.

#### **Credit Liquidation**

Specify the template for Credit Liquidation.

#### **Dispatch Accounting**

The system populates the Account Currency.

#### **Receipt Accounting**

The system populates the Originator's name.

### Return Days

#### **Administrative Return Days**

Specify the Administrative Return days. Allowed value is 'Non-Zero' Value. Typically, '2 days'.

#### **Extended Return Days**

Specify the Extended Return days. Allowed value is 'Non-Zero' Value. Typically, '60 days'.



### 2.1.1.3 US NACHA Credit Accounting Preference Summary

You can invoke “US NACHA Credit Accounting Preference Summary” screen by typing ‘PNSCRPRF’ in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

The screenshot displays the 'US NACHA Credit Accounting Preference Summary' application window. At the top, there is a search bar with buttons for 'Search', 'Advanced Search', 'Reset', and 'Clear All'. Below the search bar, there are several dropdown menus for 'Authorization Status', 'Entry Type', 'Record Status', 'Transfer Currency', and 'Transaction Type'. A table below these filters shows columns for 'Authorization Status', 'Record Status', 'Network Code', 'Transaction Type', 'Entry Type', 'Transfer Currency', and 'Host Code'. The table is currently empty. At the bottom right, there is an 'Exit' button.

You can search using one or more of the following parameters:

- Authorization Status
- Record Status
- Transaction Type
- Entry Type
- Transfer Currency

Once you have specified the search parameters, click ‘Search’ button. The system displays the records that match the search criteria.

### 2.1.2 US NACHA Network Preference

You can capture NACHA Network cutoff time for Same day & extended ACH transactions, using this screen.

You can invoke “US NACHA Network Preference” screen by typing the function ID ‘PNDNWPRF’ in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

Specify the following fields:

### **Network Code**

Specify the Network Code from the NACHA networks listed in the list of values.

### **Network Code Description**

System defaults the description of the Network code.

### **Host Code**

Defaulted with Host Code to which the Logged in Branch is associated.

### **Host Code Description**

System defaults the description of the Host code.

### **Network Type Description**

System defaults the Network Type Description on the Network code selected.

### **Dispatch Preferences**

#### **Network Lead Days**

This field is auto populated as 0, since NACHA supports same day dispatch as well.

#### **Earliest Dispatch Days**

This field is auto populated as 1, since NACHA supports dispatch of next day payment on the extended window.

### **Same day ACH Preference**

#### **Network Time Zone**

This field displays the Time Zone of the current host.

#### **Cutoff Hour**

Specify the Cutoff Hour.

### Cutoff Minute

Specify the Cutoff Minute.

### Same Day ACH Limit

Specify the Same Day ACH Limit.

### Transfer Currency

This field is defaulted to USD.

### Extended Cutoff Hour

Specify the Extended Cutoff Hour based on bank operations.

### Extended Cutoff Minute

Specify the Extended Cutoff Minute based on bank operations.

## 2.1.2.1 US NACHA Network Preference Summary

You can invoke “US NACHA Network Preference Summary” screen by typing ‘PNSNWPRF’ in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

The screenshot shows the 'US NACHA Network Preference Summary' application window. The window has a title bar with the text 'US NACHA Network Preference Summary' and standard window controls. Below the title bar is a search bar with buttons for 'Search', 'Advanced Search', 'Reset', and 'Clear All'. Underneath the search bar, there are several input fields: 'Authorization Status' (a dropdown menu), 'Record Status' (a dropdown menu), 'Host Code' (a text input field with a search icon), and 'Network Code' (a text input field with a search icon). There is also a 'Case Sensitive' checkbox. Below these fields is a table with the following columns: 'Authorization Status', 'Record Status', 'Host Code', 'Network Code', 'Network Time Zone', 'Earliest Dispatch Days', 'Extended Cutoff Hour', and 'Extended Cutoff Minute'. The table is currently empty. At the bottom right of the window, there is an 'Exit' button.

You can search using one or more of the following parameters:

- Authorization Status
- Host Code
- Network Time Zone
- Record Status
- Network Code

Once you have specified the search parameters, click ‘Search’ button. The system displays the records that match the search criteria.

## 2.1.3 US NACHA Debit Accounting Preference

You can capture Accounting preference for NACHA Debit Transactions, using this screen.

You can invoke “US NACHA Debit Accounting Preference” screen by typing the function ID ‘PNDDRPRF’ in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

The screenshot shows the 'US NACHA Debit Accounting Preference' application window. It contains several input fields and dropdown menus for configuring transaction preferences. The 'Transaction Type' dropdown is set to 'Outbound' and the 'Entry Type' dropdown is set to 'Debit'. The 'Accounting Codes' section is currently empty. The bottom of the screen displays user information and a status bar with an 'Exit' button.

Specify the following fields:

### Network Code

You can select the appropriate NACHA network Code from the list.

### Network Code Description

This field gets defaulted on Network Code selected.

### Host Code

System Defaults with Host Code to which the Logged in Branch is associated.

### Host Code Description

This field gets defaulted on Host Code selected.

### Network Type Description

This field gets defaulted on Network Code selected.

### Transaction Type

Select the Transaction Type from the drop-down list:

- Outbound
- Inbound

### Entry Type

This field gets defaulted to “Debit”, to indicate that the transaction is NACHA Debit transfer.

### Transfer Currency

Specify the Transfer Currency in USD.

## 2.1.3.1 Payment Preferences

### Accounting Codes

#### **Debit Liquidation**

Specify the template for Debit Liquidation from the list of available accounting templates. You can select the template from the option list. The list displays all the accounting templates maintained in the system.

#### **Credit Liquidation**

Specify the template for Credit Liquidation.

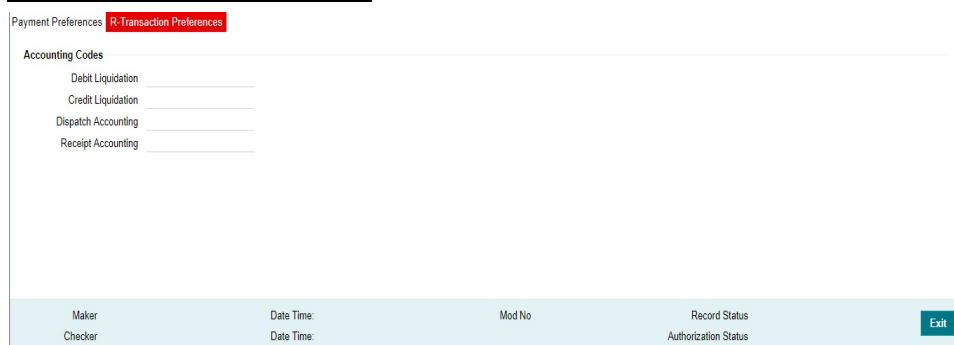
#### **Dispatch Accounting**

The system populates the Account Currency.

#### **Receipt Accounting**

The system populates the Originator's name.

## 2.1.3.2 R-transaction Preferences



The screenshot shows a web form titled "R-Transaction Preferences" under the "Payment Preferences" section. The form has a header with "Payment Preferences" and "R-Transaction Preferences" (highlighted in red). Below the header, there is a section titled "Accounting Codes" with four rows of input fields: "Debit Liquidation", "Credit Liquidation", "Dispatch Accounting", and "Receipt Accounting". At the bottom of the form, there is a footer with several fields: "Maker", "Checker", "Date Time:", "Date Time:", "Mod No", "Record Status", "Authorization Status", and an "Exit" button.

### Accounting Codes

#### **Debit Liquidation**

Specify the template for Debit Liquidation from the list of available accounting templates. You can select the template from the option list. The list displays all the accounting templates maintained in the system.

#### **Credit Liquidation**

Specify the template for Credit Liquidation.

#### **Dispatch Accounting**

The system populates the Account Currency.

#### **Receipt Accounting**

The system populates the Originator's name.

### Return Days

#### **Administrative Return Days**

Specify the Administrative Return days. Allowed value is 'Non-Zero' Value. Typically, '2 days'.

#### **Extended Return Days**

Specify the Extended Return days. Allowed value is 'Non-Zero' Value. Typically, '60 days'.

### 2.1.3.3 US NACHA Debit Accounting Preference Summary

You can invoke “US NACHA Debit Accounting Preference Summary” screen by typing ‘PNSDRPRF’ in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

US NACHA Debit Accounting Preference Summary

Search Advanced Search Reset Clear All

Case Sensitive

Authorization Status [v] Record Status [v] Entry Type [v]  
Host Code [p] Network Code [p] Transaction Type [v]

Records per page 15 1 Of 1 Lock Columns 0

Authorization Status	Record Status	Entry Type	Host Code	Network Code	Transaction Type	Transfer Currency	Receipt Accounting	Credit Liquidation	Dispatch Accounting	Debit Liquidation
----------------------	---------------	------------	-----------	--------------	------------------	-------------------	--------------------	--------------------	---------------------	-------------------

Exit

You can search using one or more of the following parameters:

- Authorization Status
- Record Status
- Entry Type
- Host Code
- Network Code
- Transaction Type

Once you have specified the search parameters, click ‘Search’ button. The system displays the records that match the search criteria.

### 2.1.4 NACHA Dispatch Parameters

You can invoke “NACHA Dispatch Parameters” screen by typing the function ID ‘PMDNACDP’ in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

NACHA Dispatch Parameters

New Enter Query

Network Code \*  
Host Code \*

Network Description  
Network Type Description  
Maximum File Size(in MB)  
Aggregate Amount Allowed  
Transaction Count Allowed  
Network Time Zone  
Network Same Day Cutoff(Regular)  
Network Extended Cutoff Time

Dispatch Cycles  
Extended Dispatch Cycles

Dispatch Time  
Dispatch Time

Maker  
Checker

Date Time:  
Date Time:

Mod No

Record Status  
Authorization Status

Exit

Specify the following fields:

**Network Code**

Specify the Network Code from the NACHA networks listed in the list of values.

**Network Description**

System defaults the description of the Network code.

**Network Type Description**

System defaults the Network Type Description on the Network code selected.

**Host Code**

Defaulted with Host Code to which the Logged in Branch is associated.

**Maximum File Size(in MB)**

Specify the Maximum File Size in MB.

**Aggregate Amount Allowed**

Specify the allowed Aggregate Amount.

**Transaction Count Allowed**

Specify the allowed Transaction Count.

**Network Time Zone**

Specify the Network Time Zone from the cutoff maintenance.

**Network Same Day Cutoff(Regular)**

Specify the Network Same Day Cutoff (Regular) from the cutoff maintenance.

**Network Extended Cutoff Time**

Specify the Network Extended Day Cutoff (Regular) from the cutoff maintenance.

**Dispatch Cycles**

**Dispatch Time**

Specify the Scheduled Dispatch intervals, between the BOD and Regular (Same Day) Cutoff window.

**Extended Dispatch Cycles**

**Dispatch Time**

Specify the Scheduled Dispatch intervals, between the Regular (Same Day cutoff) and Extended Cutoff window.

### 2.1.4.1 NACHA Dispatch Parameters Summary

You can invoke “NACHA Dispatch Parameters Summary” screen by typing ‘PMSNACDP’ in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

Authorization Status	Record Status	Aggregate Amount Allowed	Dispatch File Type	Host Code	Maximum File Size(in MB)	Network Code	Network 1
----------------------	---------------	--------------------------	--------------------	-----------	--------------------------	--------------	-----------

You can search using one or more of the following parameters:

- Authorization Status
- Host Code
- Record Status
- Network Code

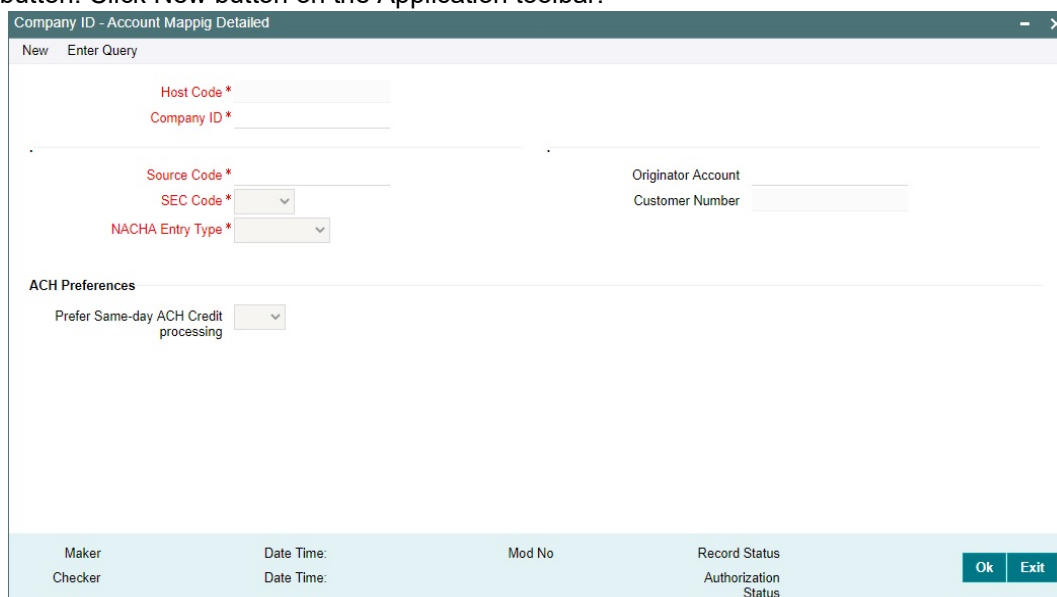
Once you have specified the search parameters, click ‘Search’ button. The system displays the records that match the search criteria.

### 2.1.5 Company ID - Account Mapping

This NACHA specific maintenance maintains the mapping between a Company Id of a corporate Originator and one or more of their accounts available in the system that could be used as the debit account or credit account in an outgoing ACH Credit or ACH Debit transaction.



You can invoke the “Company ID - Account Mapping Detailed” screen by typing ‘PMDCIACC’ in the field at the top right corner of the application toolbar and clicking the adjoining arrow button. Click New button on the Application toolbar.



Specify the following fields:

### Host Code

This is defaulted from the logged in branch.

### Company ID

Select a Company Id from a LOV that would fetch records from the existing Company Identification Maintenance.

### Source Code

Select a source code for a specific channel (including Manual channel) or All (any) channels from where the outgoing ACH transaction could be initiated.

### SEC Code

Select any of the following SEC Code. The options are CIE, CTX, PPD, ARC, BOC, POP, All and CCD.

---

### Note

If “All” option is selected for NACHA Entry Type field then in the SEC code drop-down only the SEC codes would be populated such as CCD, CTX and PPD.

---

### NACHA Entry Type

Select the NACHA Entry Type. The options are “ACH Credit”, “ACH Debit” and ‘Both’.

### Originator Account

Select or enter the Originator account from a LOV that is filtered on all 'Normal' type of accounts owned by Customers of type “Individual” or “Corporate”.

---

**Note**

The same Originator Account number would be allowed to be linked to more than one Company ID.

---

**Customer number**

System defaults the customer number of the Originator account selected.

**ACH Preferences****Prefer Same-day ACH Credit processing**

'Yes' indicates that Originator would like their ACH Credit transactions to be "same-day" processed whenever eligible.

**2.1.5.1 Company ID - Account Mapping Summary**

User can view all the ID-account mapping maintained in this screen.

You can invoke the 'Company ID-Account Mapping Summary' screen by typing 'PMSCIACC' in the field at the top right corner of the application toolbar and clicking the adjoining arrow button.

Authorization Status	Record Status	Host Code	Company ID	NACHA Entry Type	SEC Code	Source Code	Originator Account	Customer Number

You can search using one or more of the following parameters:

- Authorization Status
- Record Status
- Host Code
- Company ID
- NACHA Entry Type
- SEC Code
- Source Code

Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria.

## 2.1.6 NACHA Debit Authorization Maintenance

You can capture NACHA Debit Authorization (Debit Mandate), using this screen.

You can invoke 'NACHA Debit Authorization Maintenance' screen by typing 'PNDDMAND' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button. Click New button on the Application toolbar.

The screenshot shows the 'NACHA Debit Authorization Maintenance' application window. The window title is 'NACHA Debit Authorization Maintenance' and it has a 'New' button and an 'Enter Query' field. The form is divided into several sections: 'Host Code \*', 'Source Code \*', 'Network Code \*', 'Customer No \*', 'Allowed SEC Codes \*', and 'Authorization Id \*'. Below these are 'Receiver (Debtor) Details' and 'Originator (Creditor) Details'. The 'Receiver (Debtor) Details' section includes fields for 'Receiver (Debtor) Account Number \*', 'Account Currency', 'Receiver Name', 'Address1', 'Address2', 'Country', 'Receiving Company ID', 'Company Name', and 'Identification Number'. The 'Originator (Creditor) Details' section includes 'Originator Company Id \*', 'Company Name', 'Originator Account Number', 'Account Currency', 'Address1', 'Address2', and 'Country'. There are also 'Authorization Details' and 'Originator DFI Details' sections. The 'Authorization Details' section includes 'Sequence Type \*' (Recursive), 'Frequency Type' (Yearly), 'Transaction currency', 'Transaction Amount', and 'Maximum Amount'. The 'Originator DFI Details' section includes 'Originating DFI', 'Originating DFI Name', 'Address1', 'Address2', 'Effective Date \*' (YYYY-MM-DD), 'Expiry Date' (YYYY-MM-DD), 'Debit Authorization Status' (Initiated), 'Remarks', and 'Last Debit Date' (YYYY-MM-DD). At the bottom, there are fields for 'Maker', 'Checker', 'Date Time', 'Mod No', 'Record Status', and 'Authorization Status', along with an 'Exit' button.

Specify the following fields:

### **Host Code**

Defaulted with Host Code to which the Logged in Branch is associated.

### **Source Code**

Specify the Source Code from the list of values.

### **Network Code**

Specify the Network Code from the list of values.

### **Customer No**

Specify the Customer No from the list of values.

### **Allowed SEC Codes**

Select the required SEC codes – The values are

- CCD
- CTX
- PPD
- ARC
- BOC

- POP
- WEB
- TEL
- RCK
- XCK

**Authorization Id**

Specify the Authorization Id.

**Network Type Description**

The system defaults the Network Type Description based on the Network Code selected.

**Receiver (Debtor) Details****Receiver (Debtor) Account Number**

Specify the Receiver (Debtor) Account Number from the list of values that lists all active accounts of the specified Customer.

**Account Currency**

This field gets auto populated on selecting Receiver (Debtor) Account Number.

**Receiver Name**

This field gets auto populated on selecting Receiver (Debtor) Account Number.

**Address1**

This field gets auto populated on selecting Receiver (Debtor) Account Number.

**Address2**

This field gets auto populated on selecting Receiver (Debtor) Account Number.

**Country**

This field gets auto populated on selecting Receiver (Debtor) Account Number.

**Receiving Company ID**

Specify the Receiving Company ID from the list of values that lists the company mapped to the selected Debtor Customer / Account, from Company ID Account mapping screen PMDCIACC.

**Company Name**

This field gets auto populated on selecting Receiving Company ID.

**Identification Number**

Specify the Identification Number.

**Originator (Creditor) Details****Originator Company Id**

Specify the Originator Company ID from the list of values that lists the company mapped to the selected Debtor Customer / Account, from Company ID Account mapping screen PMDCIACC.

**Company Name**

This field gets auto populated on selecting Originator Company ID.

**Originator Account Number**

This field gets auto populated on selecting Originator Company ID.

**Account Currency**

This field gets auto populated on selecting Originator Company ID.

**Address1**

This field gets auto populated on selecting Originator Company ID.

**Address2**

This field gets auto populated on selecting Originator Company ID.

**Country**

This field gets auto populated on selecting Originator Company ID.

**Authorization Details****Sequence Type**

Select the Sequence Type from the following values:

- Recursive
- One Off

**Frequency Type**

Select the Frequency Type from the following values:

- Yearly
- Monthly
- Quarterly
- Half Yearly
- Weekly
- Daily
- Adhoc
- Intra Day
- Fortnightly

**Transaction Currency**

Specify the Transaction Currency from the list of values.

**Transaction Amount**

Specify the Transaction Amount.

**Maximum Amount**

Specify the Maximum Amount, if required.

**Originator DFI Details****Originating DFI**

Specify the Originator DFI from the list of values that lists all valid Routing Number from NACHA directory.

**Originating DFI Name**

This field gets auto populated on selecting Originating DFI.

**Address1**

This field gets auto populated on selecting Originating DFI.

**Address2**

This field gets auto populated on selecting Originating DFI.

**Effective Date**

Specify the Date from when the Authorization is effective for receiving Debit transactions on the Receiver account. Ensure that the Settlement date of the inward Debit transaction is greater than or equal to this date.

**Expiry Date**

Specify the Date when the Authorization expires or no longer remains effective. Ensure that Settlement date of the inward Debit transaction is less than or equal to this date. If Expiry date is not provided, it is considered as open ended, and debit requests are honored, until user manually marks the mandate as expired.

**Debit Authorization Status**

Select the Debit Authorization Status from the following values:

- Initiated
- Active
- Expired
- Used
- Cancelled

**Remarks**

Specify the Remarks, if any.

**Last Debit Date**

This field displays the Last Debit. On honoring a debit request against the mandate, the settlement date of the debit request is updated on this field. This is done processing every debit request.

## 2.1.6.1 NACHA Debit Authorization Maintenance Summary

You can invoke “NACHA Debit Authorization Maintenance Summary” screen by typing ‘PNSDMAND’ in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

NACHA Debit Authorization Maintenance Summary

Search Advanced Search Reset Clear All

Case Sensitive

Authorization Status  Record Status

Allowed SEC Codes  Customer No

Debit Authorization Status  Effective Date

Frequency Type  Originator Account Number

Originator Company Id  Receiver (Debtor) Account Number

Authorization Id  Network Code

Source Code  Sequence Type

Records per page 15 1 Of 1 Lock Columns 0

Authorization Status	Record Status	Allowed SEC Codes	Customer No	Debit Authorization Status	Effective Date	Frequency Type	Originator Account Number
----------------------	---------------	-------------------	-------------	----------------------------	----------------	----------------	---------------------------

Exit

You can search using one or more of the following parameters:

- Authorization Status
- Allowed SEC Codes
- Debit Authorization Status
- Frequency Type
- Originator Company Id
- Authorization Id
- Source Code
- Record Status
- Customer No
- Effective Date
- Originator Account Number
- Receiver (Debtor) Account Number
- Network Code
- Sequence Type

Once you have specified the search parameters, click ‘Search’ button. The system displays the records that match the search criteria.

## 2.1.7 NACHA Directory

NACHA Directory maintenance maintains details of NACHA participants that are serviced by FedACH ACH Operator.

You can manually create a new record. Once created, it must be authorized.

System validates that the manually created record does not contain a Routing number for which a record already exists.

You can invoke the “NACHA Directory” screen by typing ‘PMDNCHDR’ in the field at the top right corner of the application toolbar and clicking the adjoining arrow button. Click ‘New’ button on the Application toolbar.

The screenshot shows the 'NACHA Directory' application window. At the top, there are buttons for 'New' and 'Enter Query'. The main area contains a form with the following fields:

- Routing Number\*** (text input)
- Office Code** (dropdown menu)
- Servicing FRB Number** (text input)
- Record Type code** (dropdown menu)
- Change Date** (text input with mask 'YYYYMM-DD')
- New Routing Number** (text input)
- Customer Name** (text input)
- Address** (text input)
- City** (text input)
- State Code** (text input)
- Zipcode** (text input)
- Zipcode Extension** (text input)
- Telephone Area Code** (text input)
- Telephone Prefix Number** (text input)
- Telephone Suffix Number** (text input)
- Institution Status Code** (dropdown menu)
- Data View Code** (dropdown menu)
- Filler** (text input)

At the bottom of the window, there is a status bar with the following fields:

- Maker** (text input)
- Checker** (text input)
- Date Time:** (text input)
- Date Time:** (text input)
- Mod No** (text input)
- Record Status** (text input)
- Authorization Status** (text input)
- Exit** (button)

Specify the following fields:

### **Routing Number**

Specify the 9 digit Routing number (ABA number) of the NACHA participant.

### **Office Code**

Select the Office Code. Choose between Main Office (value = O) or Branch (value = B).

### **Servicing FRB Number**

Specify the Servicing Federal Reserve Bank's main office Routing number.

### **Record Type code**

Select the code that indicates if the old or new Routing number of the participant to be used while sending ACH transactions. The options are as follows:

- Institution is a Federal Reserve Bank
- Send items to customer routing number
- Send items to customer using new routing number field



**Change Date**

Specify the Date when this record was last updated by FedACH.

**New Routing Number**

Specify the New Routing Number.

**Customer Name**

Specify the name of the NACHA participant.

**Address**

Specify Address details of participant.

**City**

Specify the city of participant.

**State Code**

Specify the 2 character code of US state where the participant is located. Though the bank participant may have multiple branches in different US states, this is the state where it is registered or has its head office or is understood to be located as per relevant US regulation.

**Zip-code**

Specify the zip-code (postal code) of the participant.

**Zip-code Extension**

Specify the Zip-code Extension (if applicable) of the participant.

**Telephone Area Code**

Specify the area code of the contact telephone number.

**Telephone Prefix Number**

Specify the Prefix of the contact telephone number.

**Telephone Suffix Number**

Specify the Suffix of the contact telephone number.

**Institution Status Code**

Specify if the participant Receives Gov/Comm transactions.

**Data View Code**

Specify if the relevant code indicates 'Current View'.

**Filler**

Specify the filler details.

### 2.1.7.1 Viewing NACHA Directory Summary

You can view the summary in “NACHA Directory Summary” screen. You can invoke the NACHA Directory Summary screen by typing ‘PMSNCHDR’ in the field at the top right corner of the Application toolbar and clicking on the adjoining arrow button.

The screenshot shows the 'NACHA Directory Summary' application window. At the top, there is a search bar with the text 'Case Sensitive' and buttons for 'Search', 'Advanced Search', 'Reset', and 'Clear All'. Below the search bar, there are two dropdown menus: 'Authorization Status' and 'Record Status'. A text input field for 'Routing Number' is also visible. Below the search area, there is a table with the following columns: 'Authorization Status', 'Record Status', 'Office Code', 'Record Type code', 'Change Date', 'Customer Name', 'Routing Number', and 'Servicing FRB Num'. The table is currently empty. At the bottom right, there is an 'Exit' button.

You can search for the records using one or more of the following parameters:

- Authorization Status
- Record Status
- Routing Number

Once you have specified the search parameters, click ‘Search’ button. The system displays the records that match the search criteria.

### 2.1.8 NACHA Directory Upload

A facility is available for manual upload of NACHA (FedACH) Directory using fixed length text file. The name of this screen is NACHA Directory Upload.

You can invoke the “NACHA Directory Upload” screen by typing ‘PMDNCHUP’ in the field at the top right corner of the application toolbar and clicking the adjoining arrow button. Click ‘New’ button on the Application toolbar.

The screenshot shows the 'NACHA Directory Upload' application window. At the top, there is a 'New' button. Below it, there are two text input fields: 'File Name \*' and 'File Path \*'. Below these fields is a dropdown menu for 'Upload Type' set to 'Full'. An 'Upload' button is located below the dropdown menu. At the bottom right, there is an 'Exit' button.

Specify the following fields:

**File Name**

Specify the File name of the NACHA Directory text file.

**File Path**

Specify the DB server path where the Directory file is placed.

**Upload Type**

Indicates if the file to be uploaded is a Full file containing all NACHA participants or a Partial file containing records updated since a specific date in the past. This drop-down field has two options – 'Full' and 'Partial'.

**Upload button**

Click this button to initiate the process of picking up the file from the specified location, parsing it and inserting the records in the NACHA Directory table.

## **2.2 NACHA Credit Transfer**

NACHA inbound and outbound transactions can be booked and viewed through these screens.

### **2.2.1 NACHA Outbound Credit Transfer Transaction Input**

Bank staff of Originating Depository Financial Institution (ODFI) can manually book an outgoing NACHA payment on behalf of the originator. Alternatively, system can receive a SOAP request from the Originator's system for initiating an outgoing NACHA payment which would be processed on receipt.

You can invoke 'Outbound US NACHA Credit Transfer Input' screen by typing 'PNDOTONL' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button. Click New button on the Application toolbar.

Below listed mandatory fields are defaulted on Click of New:

**Transaction Branch Code**

Defaulted with logged in Branch Code.

**Branch Name**

System defaults the Branch Name of the Transaction Branch Code.

**Host Code**

Defaulted with Host Code to which the Logged in Branch is associated.

**Host Code Description**

System defaults the description of the Host code.

**Source Code**

Defaulted as 'MANL'; for Manually Input transactions. For transactions received through channel, relevant source code from Source maintenance would be defaulted.

**Source Code Description**

System defaults the description of the Source code.

**Transaction Reference Number**

Unique Reference number for the payment generated by the System.

## Network Code

User has to select the appropriate network Code from the pick-list. If only one NACHA network is maintained (which will generally be the case) then the same will be defaulted.

## Network Code Description

System defaults the description of the Network code.

## NACHA Entry Type

This would be defaulted to “ACH Credit”, to indicate that the transaction is NACHA Credit transfer.

## Standard Entry Class Code

Select the required SEC codes – The values are:

- CCD
- CTX
- CIE
- PPD
- WEB

## User Reference Number

The system defaults the User reference number same as the Transaction Reference Number. You can edit this value to provide own reference number.

## Source Reference Number

The system displays the Source Reference Number provided by the channel or any other source for the transaction. You can input the value for manually booked transaction Main Tab.

The screenshot shows a web-based form for entering transaction details. It has two tabs: 'Main' (selected) and 'Pricing'. The form is organized into several sections:

- Company Details:** Includes fields for Company Identification (required), Company Name, Company Entry Description (required), Company Discretionary Data, and Company Descriptive Date.
- Debtor Details:** Includes fields for Debtor Account Number, Debtor Name, Account Currency, Account Branch, Customer Number, Customer Service Model, and Debit Amount.
- Payment Details:** Includes fields for Booking Date (format: yyyy-MM-dd), Instruction Date (required, format: yyyy-MM-dd), Transfer Currency (required), Transfer Amount (required), Exchange Rate, FX Reference Number, and Remarks. There is an 'Enrich' button below the Remarks field.
- Entry Details:** Includes fields for Receiving DFI (required), Receiving DFI Name, and Transaction Code (required).
- Transaction Dates:** Includes fields for Revised Instruction Date (format: yyyy-MM-dd) and Activation Date (format: yyyy-MM-dd).

At the bottom of the form, there are fields for Maker ID, Checker ID, and Authorization Status, along with Maker Date Stamp and Checker Date Stamp. An 'Exit' button is located in the bottom right corner.

Specify the following fields:

## Company Details

### Company ID

Select a Company Id of the Originator from a LOV that fetches Company Id records from the existing Company Identification Maintenance (PMDORGDT).

### Company Name

This would be auto-populated from the Company Identification Maintenance based on the Company Id, as per existing logic.

### **Company Entry Description**

Select the Company Entry from the list of values. All valid descriptions are listed in the LOV.

### **Company Discretionary Data**

This field in the Batch Header allows Originators/ODFIs to capture any data that is of significance to the processing of the transaction.

### **Company Descriptive Date**

Specify the date of the transaction that the Originator would like the RDFI to include in communications to Receiver. It is to be noted that this date would not be the transaction or value date in the account statement of Receiver.

### **Debtor Details**

#### **Debtor Account Number**

Please select the Account to be debited. Option is available to use the Pick-list which displays all valid Account Numbers available in the system.

#### **Debtor Name**

System defaults the debtor name on selecting the account number.

#### **Account Currency**

Defaulted on selecting Account Number.

#### **Account Branch**

Defaulted on selecting Account Number.

#### **Customer Number**

System identifies the Customer number maintained in the system for the Originator based on the selected Debtor Account Number and the same is defaulted in this field.

#### **Customer Service Model**

Defaulted with Customer Service Model linked to the identified customer (originator).

#### **Debit Amount**

This field is populated with the transfer amount converted in originator account currency using the Exchange rate.

### **Payment Details**

#### **Booking Date**

This is defaulted as application server date.

#### **Instruction Date**

This is the Instruction (Value) date of the payment, as instructed by the customer.

#### **Transfer Currency**

Please enter the Transfer Currency which should always be USD.

#### **Transfer Amount**

Please enter the Amount to be transferred.

#### **Exchange Rate**

If Transfer currency & Originator account currency are different then Exchange rate can be provided by user. System retains the input value and will validate the same against override and stop variances maintained at Network Preferences.

**FX Reference Number**

This field allows user to specify a specific reference number of Fx deal/contract to be used for deriving the Fx rate to be used for the transaction.

**Remarks**

This indicates any user remarks for the outgoing payment transaction.

**Entry Details****Receiving DFI**

Select a 9 digit ABA number of the Receiving DFI (RDFI) using a LOV that would fetch values from the NACHA participants directory (FedACH directory) maintenance.

**Receiving DFI Name**

System defaults the name of the Receiving DFI selected.

**Receiver Account Number**

Specify the account number of the Receiver (beneficiary) corporate (in case of CCD, CTX, CIE and so on.) or owned by the Receiver individual (in case of PPD, BOC, POP, ARC and so on).

**Individual Identification Number**

This field would be mandatory for input only when the selected SEC code is "CIE", and optional for other applicable SEC codes like POS, PPD, WEB and so on.

**Identification Name**

System defaults the name of the Individual ID number selected.

**Identification Number**

This field is optional for the applicable SEC codes like CCD, CTX etc. This field typically need to have the customer or accounting identification number (normally issued by Originator) by which the Receiver is known to the Originator.

**Receiving Company Name**

Specify the Company name of Receiver where the Receiver is corporate.

**Transaction Code**

Select relevant options for the ACH Credit transaction of selected SEC code.

**Transaction Code Description**

This is auto-populated with the description of the selected Transaction code.

**Discretionary Data**

This field in the Entry detail record (for the transaction) in the Batch file allows Originators/ODFIs to capture any 2 character code or data that is of significance to the processing of the transaction or for requesting something from RDFI. This is a user input field and additionally, will has a LOV enabling the user to select the code "AK", meaning an Acknowledgement is requested for the transaction from the RDFI.

**Transaction Dates****Revised Instruction Date**

Specify the Revised Instruction Date.

### **Activation Date**

This is the date on which the transaction would be processed.

### **Debit Value Date**

The value date with which the debit to originator account would be done as part of the DRLQ accounting event. This date is derived by the system as part of processing the transaction. This is a View-only field.

### **Credit Value Date**

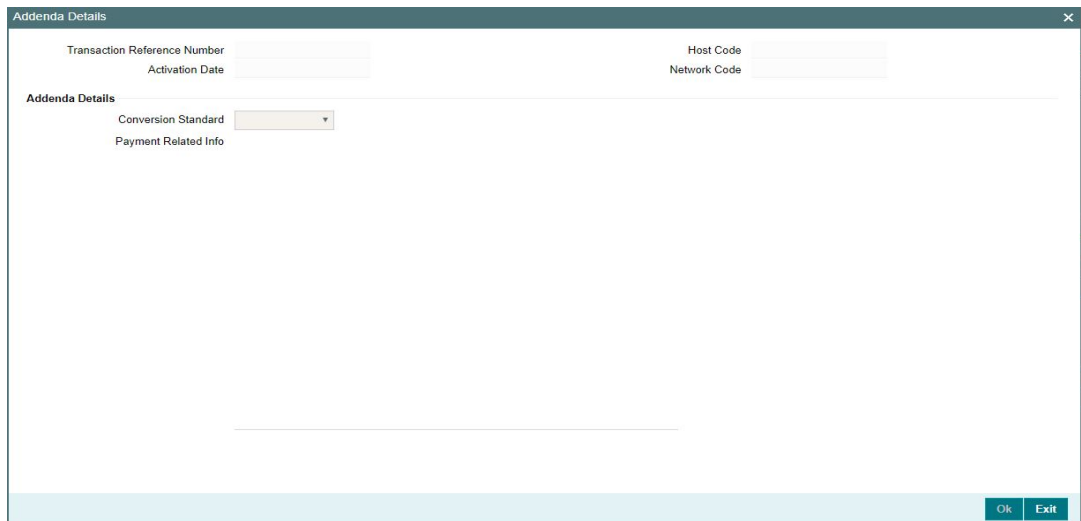
Specify the value date with which the credit to Network Nostro account would be done as part of Dispatch accounting for the file containing this transaction.

### **Dispatch Date**

The date on which the transaction would be dispatched to NACHA as part of an outgoing NACHA file. This date would be calculated as Revised Instruction Date less Network Lead Days.

## **2.2.1.1 Addenda Details**

Click the Addenda Details button in the PNDOTONL Screen.



The screenshot shows a window titled "Addenda Details" with a close button (X) in the top right corner. The window contains several input fields and a dropdown menu. At the top, there are two rows of fields: "Transaction Reference Number" and "Activation Date" on the left, and "Host Code" and "Network Code" on the right. Below these is a section titled "Addenda Details" which contains a "Conversion Standard" dropdown menu and a "Payment Related Info" label. At the bottom right of the window, there are "Ok" and "Exit" buttons.

Specify the following fields:

### **Transaction Reference Number**

The system displays the Transaction Reference No.

### **Host Code**

The system displays the Host Code.

### **Activation Date**

Specify the Activation date.

### **Network Code**

The system displays the Network Code.



## **Addenda Details**

### **Conversion Standard**

Select one of the following standards using which the data in this field needs to be converted, during generation of the Addenda record(s) in the NACH file:

- ASC X12.5 (Interchange Control Structure)
- ASC X12.6 (Application Control Structure)
- Payment related UN/EDIFACT syntax
- ANSI ASC X12 transaction set containing a BPR or BPS data segment

### **Payment Related Info**

Specify Payment Related Info. Data only up to 80 characters would be allowed since only a Max. of 1 Addenda record is allowed. Addenda record is optional for these SEC codes.

#### **2.2.1.2 Pricing Tab**

Click on Pricing tab to view the Pricing details.

Pricing Component	Pricing Currency	Pricing Amount	Waiver	Debit Currency	Debit Amount
-------------------	------------------	----------------	--------	----------------	--------------

The below mentioned attributes will be available in the Pricing tab:

#### **Pricing Component**

Displays the Name of the pricing component, applicable for the transaction, for which charges are computed.

#### **Pricing Currency**

Displays the Currency in which the charge amount is calculated for the Pricing component.

#### **Pricing Amount**

Displays the charge amount calculated for each pricing component.

#### **Waiver**

Check this box to indicate that the charge is waived for the pricing component.

#### **Debit Currency**

Displays the currency in which the charge amount is debited for the pricing component. This is the currency of the debit (originator) account.

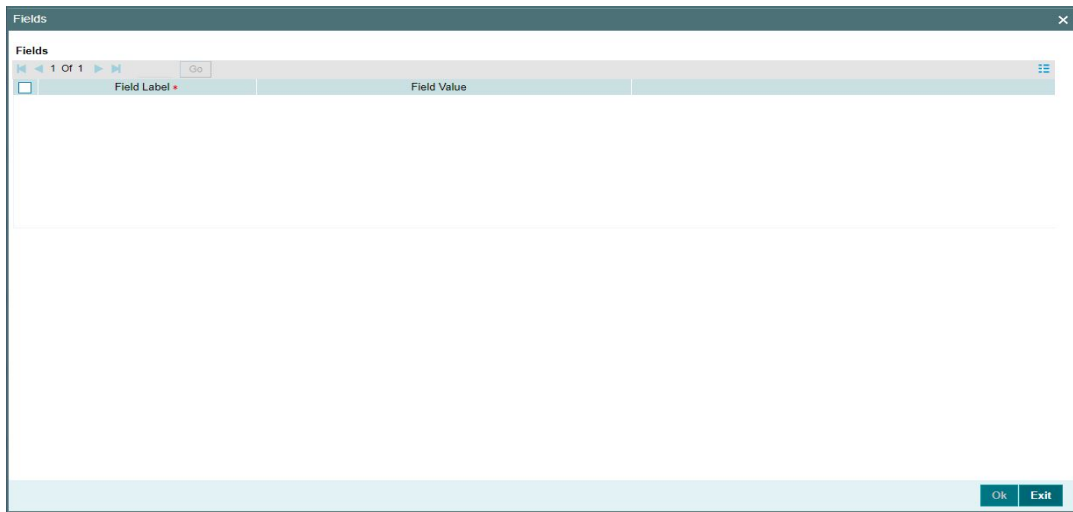
### Debit amount

Displays the charge amount in debit currency to be debited. This amount is different from the calculated Pricing amount if the debit currency is different from the Pricing Currency. The Debit amount for charges is calculated by converting the Pricing amount in Pricing Currency to Debit currency using specified Exchange Rate type in Pricing Code maintenance.

User must click on save button in PNDOTONL Screen to save the outgoing payment and make it available for authorization. On authorization by a different user, system starts processing the US NACHA Outgoing Payment.

#### 2.2.1.3 UDF Tab

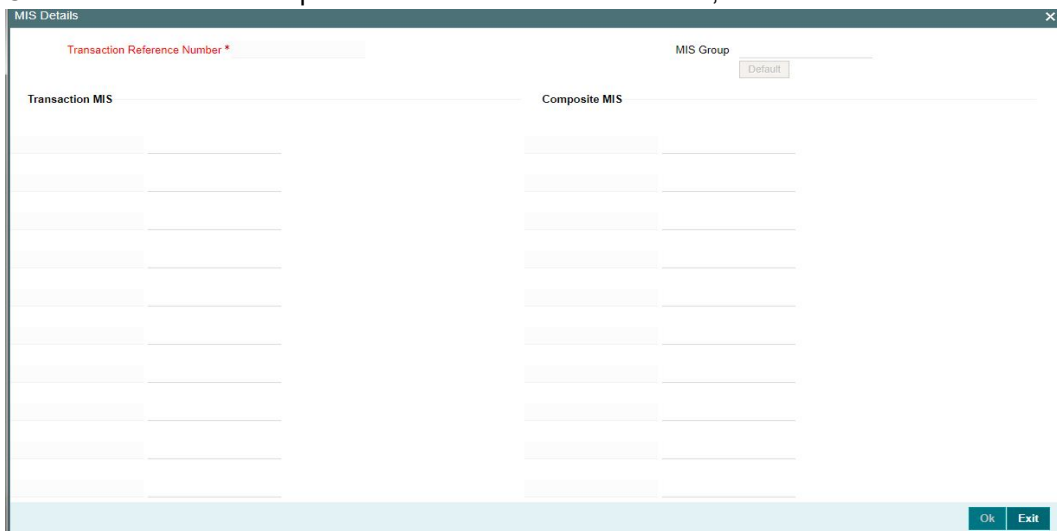
Click on the 'UDF' button present in the bottom of the screen to invoke this screen.



You can specify user defined fields for each transaction.

#### 2.2.1.4 MIS Tab

Click on the 'MIS' button present in the bottom of the screen, to invoke this screen.



You can specify the MIS details in this sub-screen.

## 2.2.1.5 NACHA Outgoing Payments Summary Screen

You can search for outgoing payment records in the NACHA Outgoing Payments Summary Screen. You can invoke 'NACHA Outgoing Payments Summary' screen by typing 'PNSOTONL' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

NACHA Transaction Input Summary

Search Advanced Search Reset Clear All

Case Sensitive

Transaction Reference Number User Reference Number Network Code

Originator Account Number Receiver Account Number Transaction Branch Code

Authorization Status Account Branch Customer No

Customer Service Model Source Reference Number

Records per page: 15 1 Of 1 Lock Columns: 0

Transaction Reference Number	User Reference Number	Network Code	Originator Account Number	Receiver Account Number	Source Code	Host Code	Transfer Amount	Transfer Currency	Debit Amount	Account Currency	Trans
------------------------------	-----------------------	--------------	---------------------------	-------------------------	-------------	-----------	-----------------	-------------------	--------------	------------------	-------

Exit

You can search using one or more of the following parameters:

- Transaction Reference Number
- User Reference Number
- Network Code
- Originator Account Number
- Receiver Account Number
- Transaction Branch Code
- Authorization Status
- Account Branch
- Customer No
- Customer Service Model
- Source Reference Number

Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria.

Double click a record or select a record and click on 'Details' button to view the detailed maintenance screen.

## 2.2.2 NACHA Outbound Credit Transfer View

You can invoke 'View Outbound US NACHA Credit Transfer' screen by typing 'PNDOVIEW' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

- From this screen, click Enter Query. The Transaction Reference field gets enabled which opens an LOV screen.
- Click the Fetch button and select the required value.
- Along with the transaction details in the Main and Pricing tabs user can also view the Status details for the following:
  - External System Status
  - Transaction Status
- Click Execute Query to populate the details of the transaction in the Outbound NACHA payment View screen.

### **Trace Number**

This is a unique identification of each ACH entry record in the outgoing NACHA file, which is generated during file generation.

### **Batch Number**

This is a unique identification of every batch in the outgoing NACHA file, which is generated during file generation.

For more details on Main, Pricing tabs refer to 'PNDOTONL' screen details above.

Also, for Exception Tab details, refer Section 2.2.4.1, "Exceptions Tab".

### 2.2.2.1 View Queue Action Log

User can view all the queue actions for the respective transaction initiated. You can invoke this screen by clicking the 'View Queue Action' button in View screen, where the Transaction Reference Number is auto populated and related details are displayed.

The screenshot shows a web application window titled "View Queue Action Log". It features a search bar at the top with the text "Enter Query". Below the search bar are two input fields: "Transaction Reference Number" and "Network Code". Below these fields is a table with a header row containing the following columns: "Transaction Reference Number", "Action", "Remarks", "Queue Code", "Authorization Status", "Maker Id", and "Maker Date Stamp". The table body is currently empty. Below the table are two buttons: "View Request Message" and "View Response Message". At the bottom right of the window is an "Exit" button.

Following details are displayed:

- Transaction Reference Number
- Network Code
- Action
- Remarks
- Queue Code
- Authorization Status
- Maker ID
- Maker Date Stamp
- Checker ID
- Checker Date Stamp
- Queue Status
- Queue Reference No
- Primary External Status
- Secondary External Status
- External Reference Number

User can view the request sent and the corresponding response received for each row in Queue Action Log.

Also user can view the request sent to and the response received from external systems for the following:

- Sanction screening
- External credit approval

- External Account Check
- External FX fetch
- External price fetch
- Accounting system

### 2.2.2.2 UDF Tab

You can invoke this screen by clicking 'UDF' tab in the screen.

The screenshot shows a window titled 'Fields'. At the top, there is a navigation bar with a 'Go' button and a status indicator '1 Of 1'. Below this is a table with two columns: 'Field Label' and 'Field Value'. The table is currently empty. At the bottom right of the window, there are 'Ok' and 'Exit' buttons.

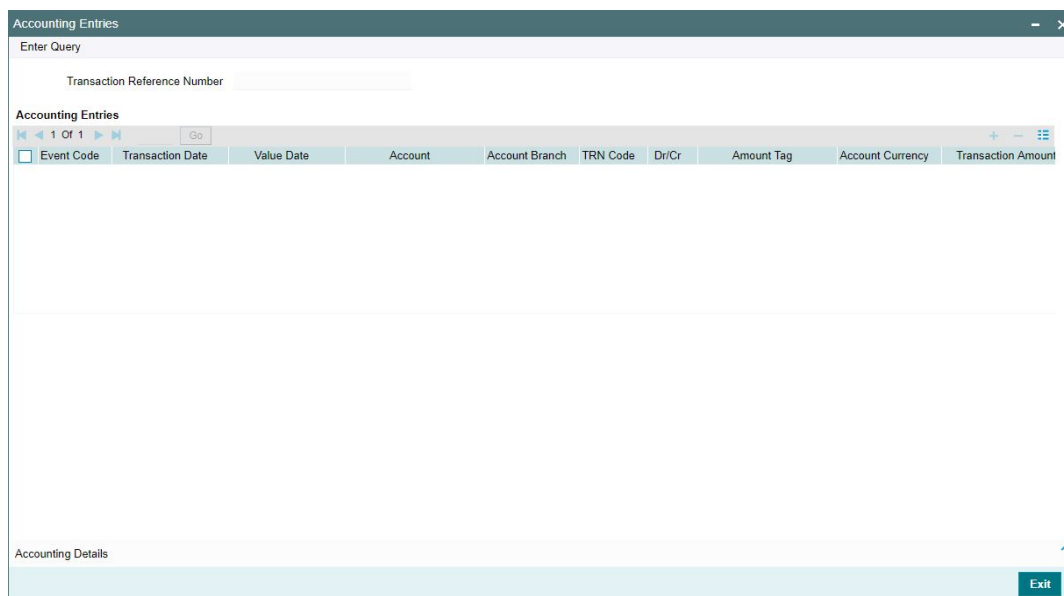
### 2.2.2.3 MIS Tab

You can invoke this screen by clicking 'MIS' tab in the screen.

The screenshot shows a window titled 'MIS Details'. At the top, there are two input fields: 'Transaction Reference Number \*' and 'MIS Group' with a 'Default' button next to it. Below these fields, the screen is divided into two columns: 'Transaction MIS' and 'Composite MIS'. Each column contains a list of horizontal lines representing data rows. At the bottom right of the window, there are 'Ok' and 'Exit' buttons.

## 2.2.2.4 Accounting Entries Tab

You can view the Accounting Entries posted for the Outgoing NACHA Payment in Accounting entries Tab.



By default, the following attributes of the **Accounting Entries** tab are displayed:

- Event Code
- Transaction Date
- Value Date
- Account
- Account Branch
- TRN Code
- Dr/Cr.
- Amount Tag
- Account Currency
- Transaction Amount
- Netting
- Offset Account
- Offset Account Branch
- Offset TRN Code
- Offset Amount Tag
- Offset Currency
- Offset Amount
- Offset Netting
- Handoff Status

## 2.2.2.5 NACHA Outbound View Summary

You can invoke 'NACHA View Summary' screen by typing 'PNSOVIEW' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

Transaction Reference Number	User Reference Number	Network Code	Originator Account Number	Receiver Account Number	Source Code	Host Code	Transaction Status	Transfer Amount
------------------------------	-----------------------	--------------	---------------------------	-------------------------	-------------	-----------	--------------------	-----------------

You can search using one or more of the following parameters:

- Transaction Reference Number
- Network Code
- Originator Account Number
- Source Code
- Transaction Status
- Transfer Amount
- Transfer Currency
- Transaction Branch Code
- Authorization Status
- Activation Date
- Booking Date
- Debit Liquidation Status
- Credit Liquidation Status
- File Reference Number
- Source Reference Number
- Queue Code
- Dispatch Reference Number
- Creditor Account IBAN
- Dispatch Reference Number



- SEC Code

Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria.

Double click a record or select a record and click on 'Details' button to view the detailed maintenance screen.

### 2.2.3 NACHA Inbound Credit Transfer Transaction Input

Oracle Banking Payments will process the NACHA inbound Payments received from ACH Operator.

In case of NACHA Inbound file cannot be received or processed due to any reason. A back up screen, is provided to the user to manually capture NACHA Inbound Payments.

You can invoke 'NACHA Inbound Transaction Input' screen by typing the function ID 'PNDITONL' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

The screenshot shows the 'Inbound US NACHA Credit Transfer Input' application window. The window title is 'Inbound US NACHA Credit Transfer Input'. The interface includes a top navigation bar with 'New' and 'Enter Query' buttons. The main area is divided into several sections: 'Transaction Details' (including fields for Transaction Branch Code, Transaction Reference Number, File Reference Number, Network Code, NACHA Entry Type, and Standard Entry Class Code), 'Creditor Details', 'Originator Company Details', 'Payment Details', 'Entry Details', and 'Transaction Dates'. A bottom status bar contains 'Maker Id', 'Checker ID', 'Authorization Status', and an 'Exit' button.

Below listed fields are mandatory to process Inbound NACHA payments:

#### **Transaction Branch Code**

Defaulted with logged in Branch Code.

#### **Branch Name**

System defaults the Branch Name of the Transaction Branch Code.

#### **Host Code**

Defaulted with Host Code to which the Logged in Branch is associated.

**Host Code Description**

System defaults the description of the Host code.

**Source Code**

Defaulted as 'MANL'; for Manually Input transactions. For transactions received through channel, relevant source code from Source maintenance would be defaulted.

**Source Code Description**

System defaults the description of the Source code.

**Transaction Reference Number**

Unique Reference number for the payment generated by the System. For details on the reference number format, refer to Payments core user manual.

**Network Code**

User has to select the appropriate network Code from the pick-list. If only one NACHA network is maintained (which will generally be the case) then the same will be defaulted.

**Network Code Description**

System defaults the description of the Network code.

**NACHA Entry Type**

This would be defaulted to "ACH Credit", to indicate that the transaction is NACHA Credit transfer.

**Standard Entry Class Code**

Select the required SEC codes – The values are:

- CCD
- CTX
- CIE
- PPD
- WEB

**File Reference Number**

Unique Reference for the Inbound NACHA file.

**Batch Number**

Batch Number of the batch to which the Inbound Payment belongs to as per in the received Inbound NACHA File.

**Trace Number**

Trace Number of the Inbound Payment (ACH entry) in the received Inbound NACHA File.

**Creditor Details****Creditor Account Number**

Please select the Customer Account to be credited. Option is available to use the Pick-list which displays all valid Account Numbers available in the system.

**Creditor Name**

Defaulted on selecting Creditor Account Number.

**Account Currency**

Defaulted on selecting Creditor Account Number.

**Account Branch**

Defaulted on selecting Creditor Account Number.

**Customer Number**

System identifies the Customer number maintained in the system for the Creditor based on the selected Creditor Account Number and the same is defaulted in this field.

**Customer Service Model**

Defaulted with Customer Service Model linked to the identified customer.

**Credit Amount**

This field will be populated with the transfer amount converted in Receiver account currency using the Exchange rate.

**Originator Company Details****Company Identification**

Specify the Identification of Originator of the ACH Credit transaction.

**Company Name**

Specify the Originator name.

**Company Entry Description**

Specify the data as per the ACH entry in the Inbound file.

**Company Discretionary Data**

Specify the data as per the ACH entry in the Inbound file.

**Company Descriptive Date**

Specify the Company Discretionary Date.

**Originating DFI**

Specify the Debtor Bank ABA Number. Option is available to use the pick-list which displays all ABA numbers of all DFIs.

**Originating DFI Name**

The system indicated the Originating DFI Name once you select the Originating DFI from the LOV.

**Payment Details****Booking Date**

Defaulted with current date.

**Instruction Date**

This is the Effective Entry date or Settlement date on which the payment is settled as part of the Inbound file by NACHA.

**Transfer Currency**

Please Enter the Transfer Currency as USD.

**Transfer Amount**

Please enter the Amount to be credited to the Customer.

**Exchange Rate**

If Transfer currency & Receiver (Credit) account currency are different then Exchange rate can be provided by user. System retains the input value and validates the same against override and stop variances maintained at Network Preferences.

**Remarks**

Specify Remarks, if any.

**Entry Details****Individual Identification Number**

This field is applicable but optional for SEC code of PPD and CIE.

**Individual Name**

System defaults the Individual name on selecting the Individual ID Number.

**Identification Number**

This field is optional for the applicable SEC codes of CCD and CTX.

**Receiving Company Name**

Defaulted on selecting Creditor Account Number.

**Transaction Code**

Specify the Transaction Code from the LOV.

**Transaction Code Description**

Specify the Transaction Code Description.

**Discretionary Data**

Specify the Discretionary Data.

**Transaction Dates****Activation Date**

This is the date on which transaction would be processed, and would be generally same as Settlement Date.

**Debit Value Date**

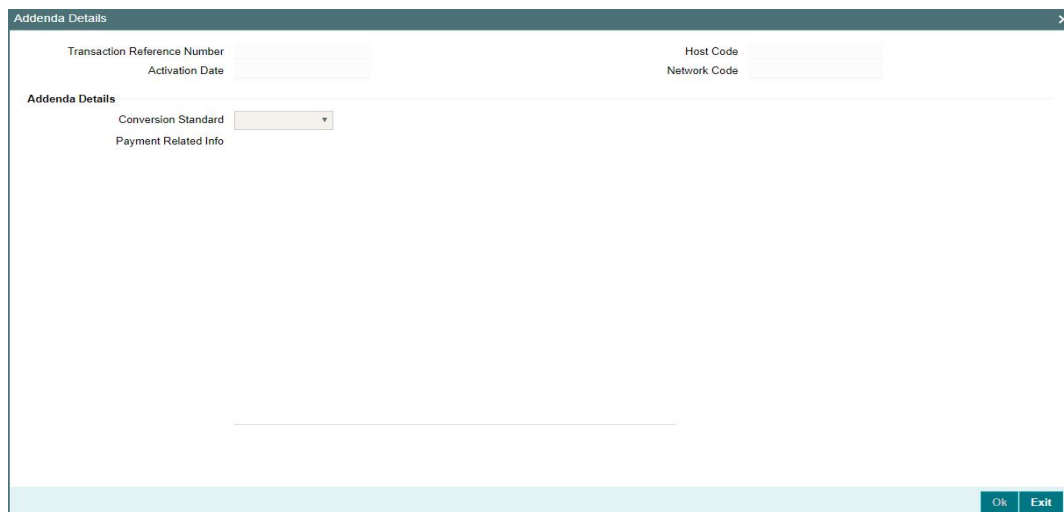
The value date with which the debit to Clearing GL would be done as part of the DRLQ event of transaction accounting on the Activation date. This date would always be same as Settlement Date.

**Credit Value Date**

The value date with which the credit to Receiver account would be done as part of the CRLQ event of transaction accounting on the Activation date. This will be a View only field.

### 2.2.3.1 Addenda Details

Please click on this button to capture Additional Payment Related Information in the Addenda record for the ACH entry in the Inbound file.



Specify the following fields:

#### **Transaction Reference No**

The system displays the Transaction Reference No.

#### **Host Code**

The system displays the Host Code.

#### **Activation Date**

Specify the Activation date.

#### **Network Code**

The system displays the Network Code.

#### **Addenda Details**

##### **Conversion Standard**

Select one of the following standards using which the data in this field needs to be converted, during generation of the Addenda record(s) in the NACH file:

- ASC X12.5 (Interchange Control Structure)
- ASC X12.6 (Application Control Structure)
- Payment related UN/EDIFACT syntax
- ANSI ASC X12 transaction set containing a BPR or BPS data segment

##### **Payment Related Info**

Specify Payment Related Info. Data only up to 80 characters would be allowed since only a Max. of 1 Addenda record is allowed. Addenda record is optional for these SEC codes.

##### **Enrich Button**

On click of this button, System Computes the Exchange Rate & Charges if applicable.

Exchange rate is computed if the creditor account currency is different from Transfer currency. User can view the computed rate in the Exchange Rate field in Main Tab.

User can view the computed Charges in pricing Tab.

User must click on 'Save' button, to save the inbound payment and make it available for authorization. On authorization by a different user, system starts processing the US NACHA Inbound Payment.

### 2.2.3.2 Pricing Tab

Click on Pricing tab to view the Pricing details. For more details on fields, refer to section 3.2.1.2.

The screenshot shows a software interface with a 'Main Pricing' header. Below the header is a navigation bar with a 'Go' button and a list of tabs: Pricing Component, Pricing Currency, Pricing Amount, Waiver, Debit Currency, and Debit Amount. The 'Pricing Component' tab is selected. The main area is empty. At the bottom, there is a 'UDF | MIS | Accounting Details' section with fields for Maker ID, Checker ID, Authorization Status, Maker Date Stamp, and Checker Date Stamp. A 'Cancel' button is located in the bottom right corner.

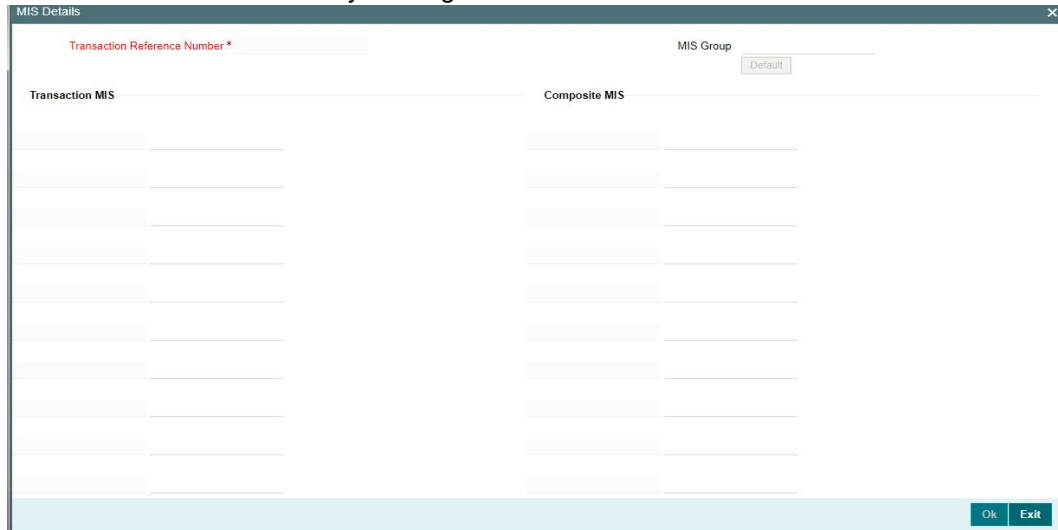
### 2.2.3.3 UDF Tab

You can invoke this screen by clicking 'UDF' tab in the screen.

The screenshot shows a software interface titled 'Fields'. It has a navigation bar with a 'Go' button and a list of tabs: Field Label and Field Value. The 'Field Label' tab is selected. The main area is empty. At the bottom right, there are 'Ok' and 'Exit' buttons.

### 2.2.3.4 MIS Tab

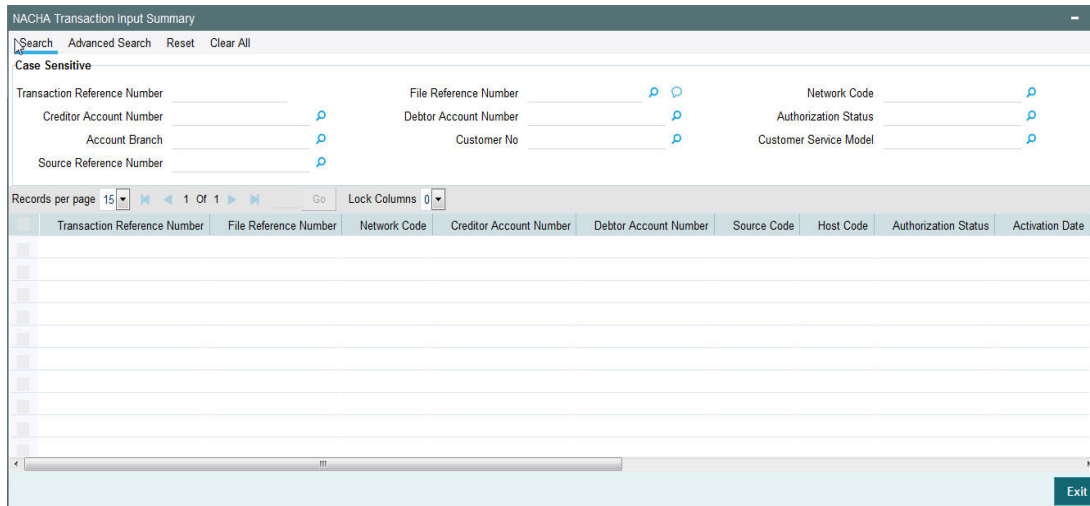
You can invoke this screen by clicking 'MIS' tab in the screen.



User must click on save button in PNDITONL Screen screen to save the Inbound payment and make it available for authorization. On authorization by a different user, system starts processing the US NACHA Inbound Payment.

### 2.2.3.5 NACHA Inbound Payments Summary

You can invoke 'NACHA Inbound Payments Summary' screen by typing 'PNSITONL' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.



You can search using one or more of the following parameters:

- Transaction Reference Number
- File Reference Number
- Network Code
- Creditor Account Number
- Debtor Account Number
- Transaction Branch Code
- Authorization Status
- Account Branch

- Customer No
- Customer Service Model
- Source Reference Number

Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria.

Double click a record or select a record and click on 'Details' button to view the detailed maintenance screen.

## 2.2.4 NACHA Inbound Credit Transfer View

You can invoke 'NACHA Incoming View' screen by typing 'PNDIVIEW' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

- From this screen, click Enter Query. The Transaction Reference field gets enabled which opens an LOV screen.
- Click the Fetch button and select the required value.
- Along with the transaction details in the Main and Pricing tabs user can also view the Status details for the following:
  - External System Status
  - Transaction Status
- Click Execute Query to populate the details of the transaction in the Inbound NACHA Payment View screen.





## 2.2.4.2 View Queue Action Log

User can view all the queue actions for the respective transaction initiated. You can invoke this screen by clicking the 'View Queue Action' button in View screen, where the Transaction Reference Number is auto populated and related details are displayed.

Transaction Reference Number	Action	Remarks	Queue Code	Authorization Status	Maker Id	Maker Date Stamp
------------------------------	--------	---------	------------	----------------------	----------	------------------

Following details are displayed:

- Transaction Reference Number
- Network Code
- Action
- Remarks
- Queue Code
- Authorization Status
- Maker ID
- Maker Date Stamp
- Checker ID
- Checker Date Stamp
- Queue Status
- Queue Reference No
- Primary External Status
- Secondary External Status
- External Reference Number

User can view the request sent and the corresponding response received for each row in Queue Action Log.

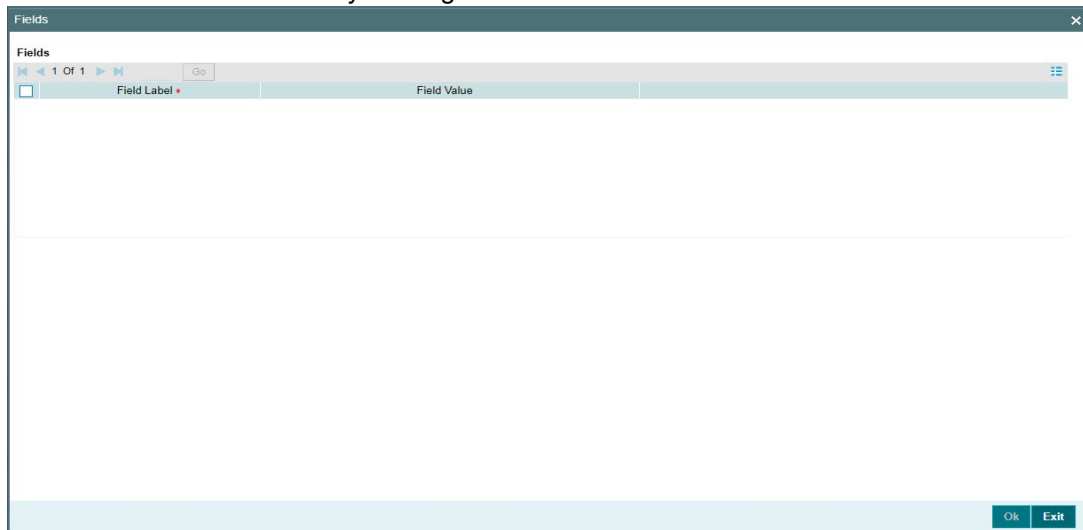
Also user can view the request sent to and the response received from external systems for the following:

- Sanction screening
- External credit approval
- External Account Check

- External FX fetch
- External price fetch
- Accounting system

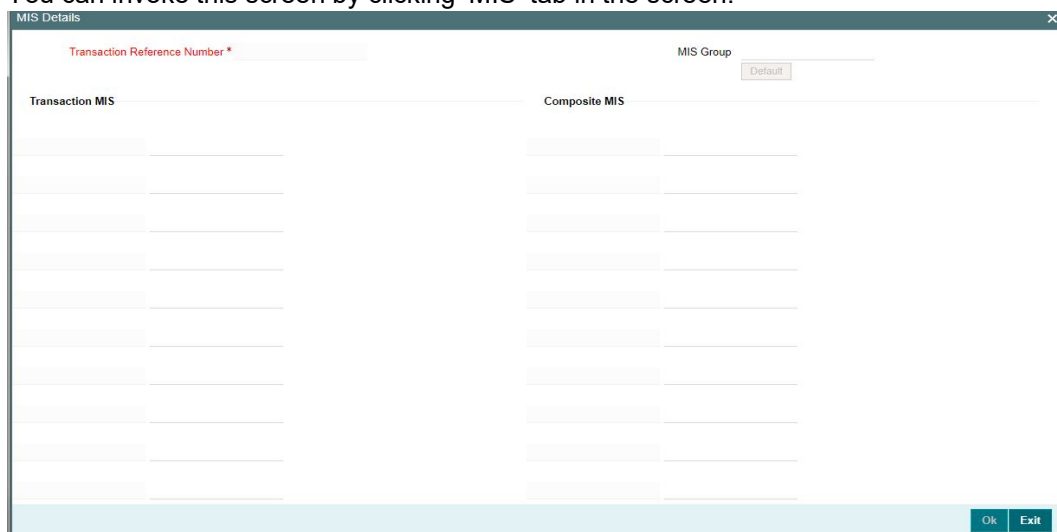
### 2.2.4.3 **UDF Tab**

You can invoke this screen by clicking 'UDF' tab in the screen.



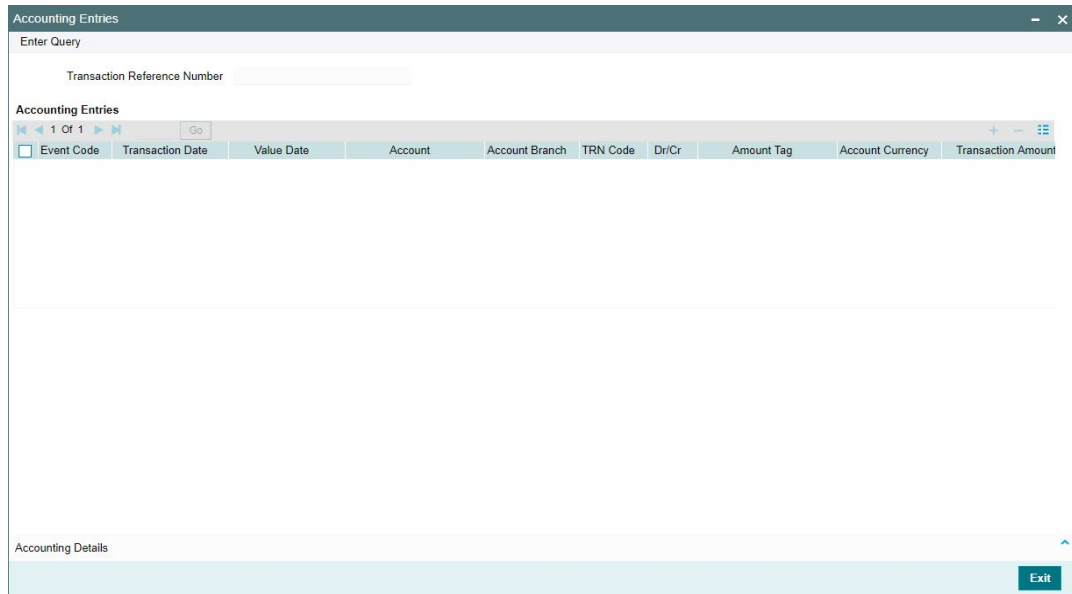
### 2.2.4.4 **MIS Tab**

You can invoke this screen by clicking 'MIS' tab in the screen.



### 2.2.4.5 **Accounting Entries Tab**

You can view the Accounting Entries posted for the Inbound NACHA Payment in Accounting entries Tab.



By default, the following attributes of the **Accounting Entries** tab are displayed:

- Event Code
- Transaction Date
- Value Date
- Account
- Account Branch
- TRN Code
- Dr/Cr.
- Amount Tag
- Account Currency
- Transaction Amount
- Netting
- Offset Account
- Offset Account Branch
- Offset TRN Code
- Offset Amount Tag
- Offset Currency
- Offset Amount
- Offset Netting
- Handoff Status

## 2.2.4.6 View Repair Log

User can view all the Repair actions for the respective transaction initiated. You can invoke this screen by clicking the 'View Repair Log' button in View screen, where the Transaction Reference Number is auto populated and related details are displayed.

Queue Reference No	Field Name	Old Value	Repaired Data	Error
--------------------	------------	-----------	---------------	-------

Following details are displayed:

- Queue Reference No
- Field Name
- Old Value
- Repaired Data
- Error

## 2.2.4.7 NACHA Inbound View Summary

You can search for records in the NACHA Inbound View Summary Screen. You can invoke 'NACHA Inbound View Summary' screen by typing 'PNSVIEW' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

Transaction Reference Number	Network Code	Debtor Account Number	Creditor Account Number	Source Code	Host Code	Transaction Status	Transfer Amount	Transfer Currency	Transaction Reference Number
------------------------------	--------------	-----------------------	-------------------------	-------------	-----------	--------------------	-----------------	-------------------	------------------------------

You can search using one or more of the following parameters:

- Transaction Reference Number
- Network Code
- Creditor Account Number

- Source Code
- Transaction Status
- Transfer Amount
- Transfer Currency
- Transaction Branch Code
- Authorization Status
- Activation Date
- Booking Date
- Debit Liquidation Status
- Credit Liquidation Status
- File Reference Number
- Queue Code

Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria.

Double click a record or select a record and click on 'Details' button to view the detailed maintenance screen.

## 2.3 NACHA Direct Debit

### 2.3.1 Outbound NACHA Debit Transaction Input

You can invoke "Outbound NACHA ACH Debit Transaction Input" screen by typing the function ID 'PNDODONL' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

Specify the following fields:

**Transaction Branch**

Defaulted with logged in Branch Code.

**Host Code**

Defaulted with Host Code to which the Logged in Branch is associated.

**Source Code**

Defaulted as 'MANL'; for Manually Input transactions. For transactions received through channel, relevant source code from Source maintenance would be defaulted.

**Network Code**

User has to select the appropriate NACHA network Code from the list.

**NACHA Entry Type**

This would be defaulted to "ACH Debit", to indicate that the transaction is NACHA Debit transfer.

**SEC code**

Select the required SEC codes – The values are CCD, CTX, PPD, ARC, BOC, POP, WEB, TEL, RCK, XCK.

**Transaction Reference Number**

Unique Reference number for the payment generated by the system.

**User Reference**

The system defaults the User reference number same as the Transaction Reference Number. You can edit this value to provide own reference number.

**Source Reference Number**

The system displays the Source Reference Number provided by the channel or any other source for the transaction. You can input the value for manually booked transaction.

**Originator (Creditor) Details****Company ID**

Specify the Identification of Originator of the ACH Credit transaction.

**Company Name**

The name appears by default upon selection of the Company Identification.

**Originator Account Number**

This would be the account of the Originator of the outgoing ACH Debit transaction that would be credited.

**Account Currency**

The system populates the Account Currency.

**Originator Name**

The system populates the Originator's name.

**Customer No**

The system populates the Customer Number.

**Customer Service Model**

The system specifies the Customer Service Model.

## **Receiver Debtor Details**

### **Receiver Account Number**

Please select the Customer Account to be debited. Option is available to use the Pick-list which displays all valid Account Numbers available in the system.

### **Receiving Company Name**

Defaulted on selecting Creditor Account Number.

### **Receiving Consumer Name**

Specify the Receiving Consumer Name.

### **Receiving DFI**

Select a 9 digit ABA number of the Receiving DFI (RDFI) using a LOV that would fetch values from the NACHA participants directory (FedACH directory) maintenance.

### **Receiving Point**

Select a 9 digit ABA number of the Receiving Point, using a LOV that would fetch values from the NACHA participants directory (FedACH directory) maintenance.

### **Identification Number**

This field is optional for the applicable SEC codes like CCD, CTX etc. This field typically need to have the customer or accounting identification number (normally issued by Originator) by which the Receiver is known to the Originator.

### **Individual Identification Number**

This field would be mandatory for input only when the selected SEC code is "CIE", and optional for other applicable SEC codes like POS, PPD, WEB and so on.

## **Payment Details**

### **Booking Date**

This will be defaulted as application server date.

### **Instruction Date**

This will be the Instruction (Value) date of the ACH Debit transaction i.e. the intended Collection Date, as instructed by the customer.

### **Dispatch Date**

The date on which the transaction would be dispatched to NACHA as part of an outgoing NACHA file.

### **Transfer Currency**

Specify the currency of outgoing payment, which would be defaulted and fixed to USD.

### **Transfer Amount**

Amount of the outgoing Debit transaction in the Transfer currency. This amount is populated in the Amount field of the Entry Details record.

### **Exchange Rate**

If Transfer currency & originator account currency are different then Exchange rate can be provided by user. System retains the input value and validate the same against override and stop variances maintained at Network Preferences.

### **FX Reference Number**

This Fx reference number is sent in the External Fx rate request during processing.



**Credit Amount**

This field will be populated with the transfer amount converted in originator account currency using the Exchange rate.

**Revised Instruction Date**

Revised Instruction Date is auto populated.

As part of Processing dates resolution step during processing, Instruction date would be validated to be a working day for NACHA. This date would be adjusted (moved ahead), if required, which would then be populated in this field.

**Settlement date**

This would be same as the Revised Instruction date. This is the date on which the settlement with the Originator would happen i.e. the originator account would be credited (posted) with Credit Value date.

**Credit Value Date**

The value date with which the credit to Originator account would be done as part of the CRLQ event of transaction accounting on the Settlement date. This date would be calculated as Revised Instruction Date plus 2 NACHA business days. This will be a View only field.

**Debit Value Date**

The value date with which the debit to Clearing GL would be done as part of the DRLQ event of transaction accounting on the Settlement date. This date would be same as Settlement date. This will be a View only field.

**Remarks**

Specify any user remarks for the outgoing payment transaction.

**Other Transaction Details****Company Entry Description**

Specify the data as per the ACH entry in the outgoing file.

**Company Discretionary Data**

Specify the data as per the ACH entry in the outgoing file.

**Company Descriptive Date**

In outgoing ACH Debit transaction, even if this field contains one of the standard keywords for same-day settlement cycles, the same would not be considered by system. This is because same-day processing of ACH Debit transactions is not in scope.

**Transaction Code**

Select relevant options for the ACH Debit transaction of selected SEC code.

**Transaction Code Description**

Select the Transaction Code Description.

**Check Serial Number**

Specify the serial number of the physical cheque which is being collected through this ACH Debit transaction.

**Terminal City**

Specify the truncated name or abbreviation identifying a city, town or village in which the Point of Purchase electronic terminal is present where the original cheque based transaction happened.

### Terminal State

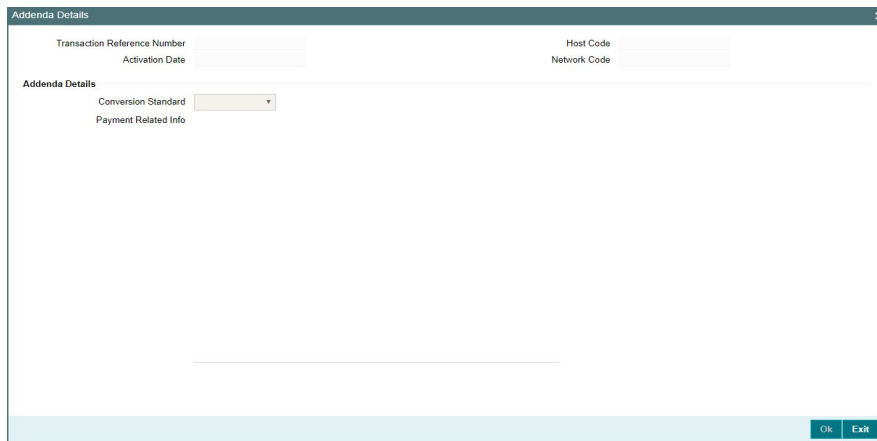
Specify the 2 character state code of a US state in which the city, town or village is present where the Point of Purchase electronic terminal is present.

### Discretionary Data

Specify the Discretionary Data.

### Addenda Details Button

Please click on this button to capture Additional Payment Related Information in the Addenda record for the ACH entry in the incoming file. For more details on the fields, refer to section- 3.2.3.1.



### Enrich Button

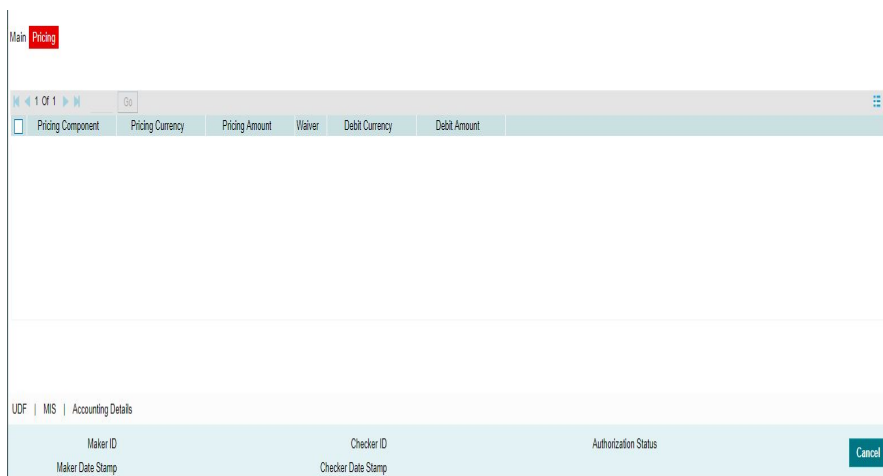
On click of this button, System Computes the Exchange Rate & Charges if applicable.

Exchange rate is computed if the creditor account currency is different from Transfer currency. User can view the computed rate in the Exchange Rate field in Main Tab.

User can view the computed Charges in pricing Tab.

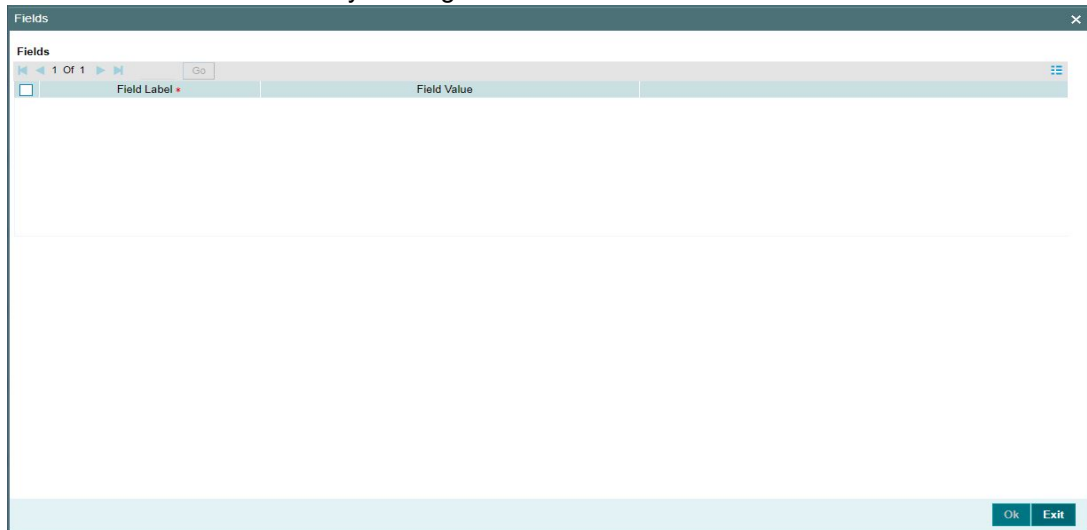
### 2.3.1.1 Pricing Tab

Click on Pricing tab to view the Pricing details. For more details on fields, refer to section 3.2.1.2.



### 2.3.1.2 UDF Tab

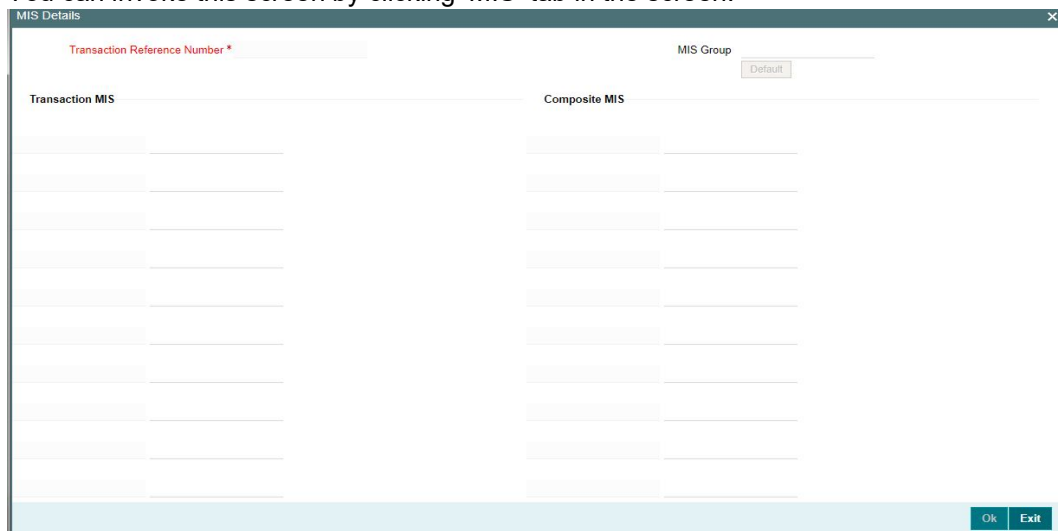
You can invoke this screen by clicking 'UDF' tab in the screen.



The screenshot shows a window titled 'Fields' with a close button (X) in the top right corner. Below the title bar, there is a navigation bar with a left arrow, '1 Of 1', a right arrow, and a 'Go' button. The main area contains a table with two columns: 'Field Label' and 'Field Value'. The table is currently empty. At the bottom right of the window, there are 'Ok' and 'Exit' buttons.

### 2.3.1.3 MIS Tab

You can invoke this screen by clicking 'MIS' tab in the screen.



The screenshot shows a window titled 'MIS Details' with a close button (X) in the top right corner. At the top, there is a 'Transaction Reference Number' field with a red asterisk and a 'MIS Group' dropdown menu with a 'Default' button. Below this, the window is divided into two columns: 'Transaction MIS' and 'Composite MIS'. Each column contains a list of horizontal lines representing data rows. At the bottom right of the window, there are 'Ok' and 'Exit' buttons.

### 2.3.1.4 Outbound NACHA ACH Debit Transaction Input Summary

You can invoke “Outbound NACHA ACH Debit Transaction Input Summary” screen by typing ‘PNSODONL’ in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

Transaction Reference Number	User Reference Number	Source Code	Network Code	SEC Code	Company ID	Instruction Date	Transfer
------------------------------	-----------------------	-------------	--------------	----------	------------	------------------	----------

You can search using one or more of the following parameters:

- Transaction Reference Number
- Network Code
- Company ID
- Originator Account Number
- Company Entry Description
- Authorization Status
- Maker Id
- Source Code
- SEC Code
- Instruction Date
- Receiving DFI
- Transaction Code
- Transaction Branch
- Checker ID

Once you have specified the search parameters, click ‘Search’ button. The system displays the records that match the search criteria.

Double click a record or select a record and click on ‘Details’ button to view the detailed maintenance screen.

## 2.3.2 Outbound US NACHA Debit Transaction View

You can view the Outbound NACHA ACH Debit transactions through this screen.

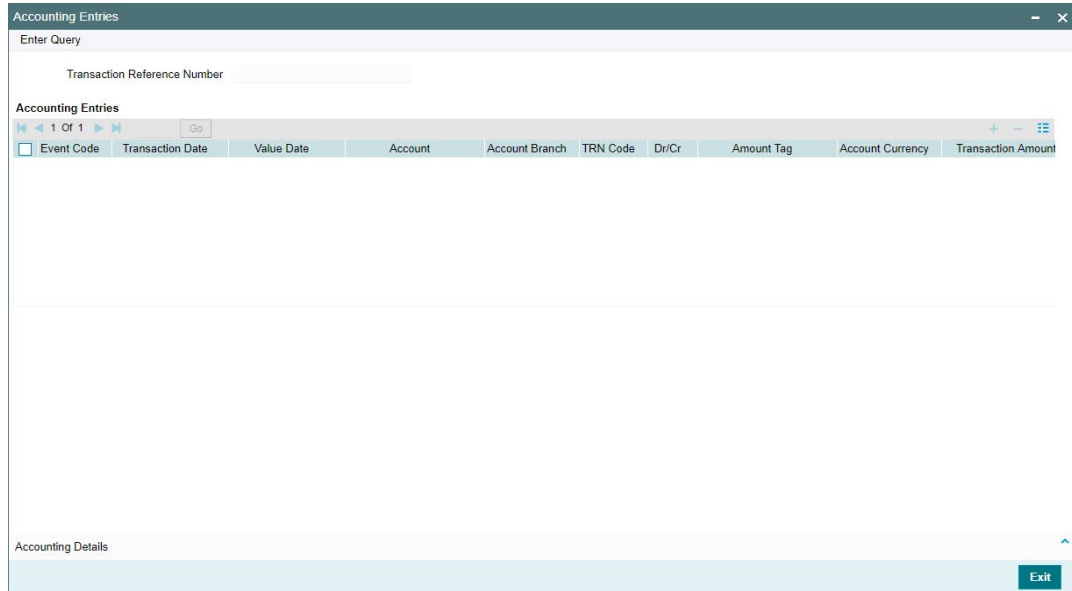
You can invoke 'Outbound US NACHA Debit Transaction View' screen by typing 'PNDODOVW' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

- From this screen, click Enter Query. The Transaction Reference field gets enabled, for the user to specify the Reference Number.
- Along with the transaction details in the Main and Pricing tabs user can also view the Status details for the following:
  - Transaction Status
  - External System Status
- Click Execute Query to populate the details of the transaction in the Outbound NACHA ACH Debit Detailed View screen.

For more details on Main, Pricing tabs, refer to 'PNDODONL' screen details above.

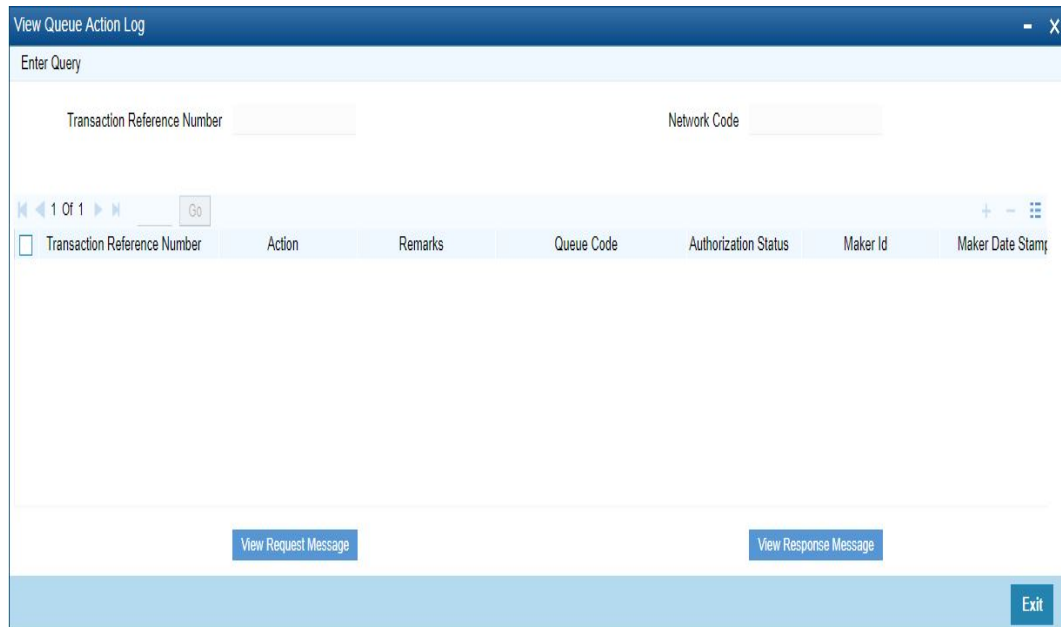
### 2.3.2.1 Accounting Details Tab

You can view the Accounting Entries posted for the Outbound NACHA ACH debit Payment in Accounting Details tab. For more details on fields, refer to 3.2.4.4.



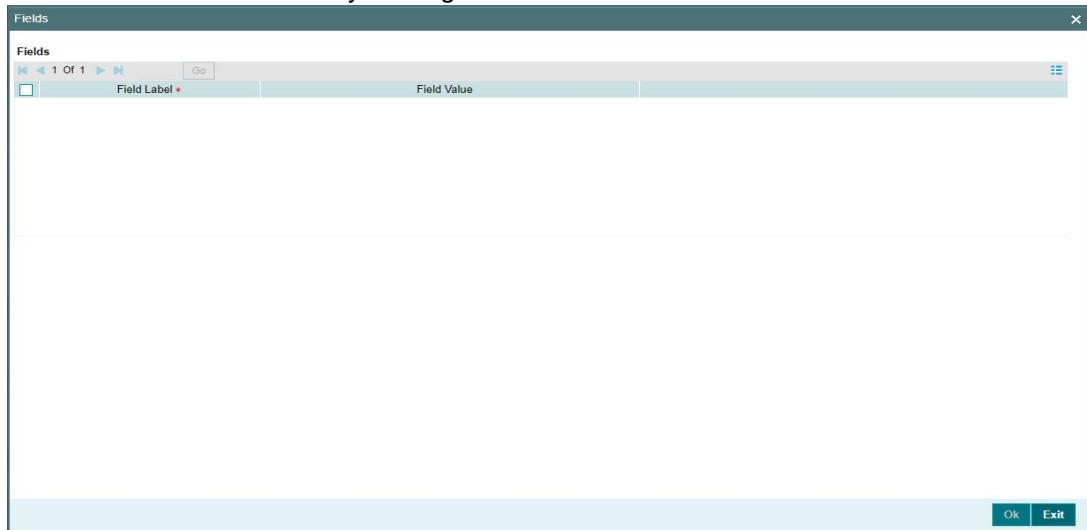
### 2.3.2.2 View Queue Action Log

User can view all the queue actions for the respective transaction initiated. You can invoke this screen by clicking the 'View Queue Action' button in View screen, where the Transaction Reference Number is auto populated and related details are displayed. For more details on the fields refer to section 3.2.4.1.



### 2.3.2.3 UDF Tab

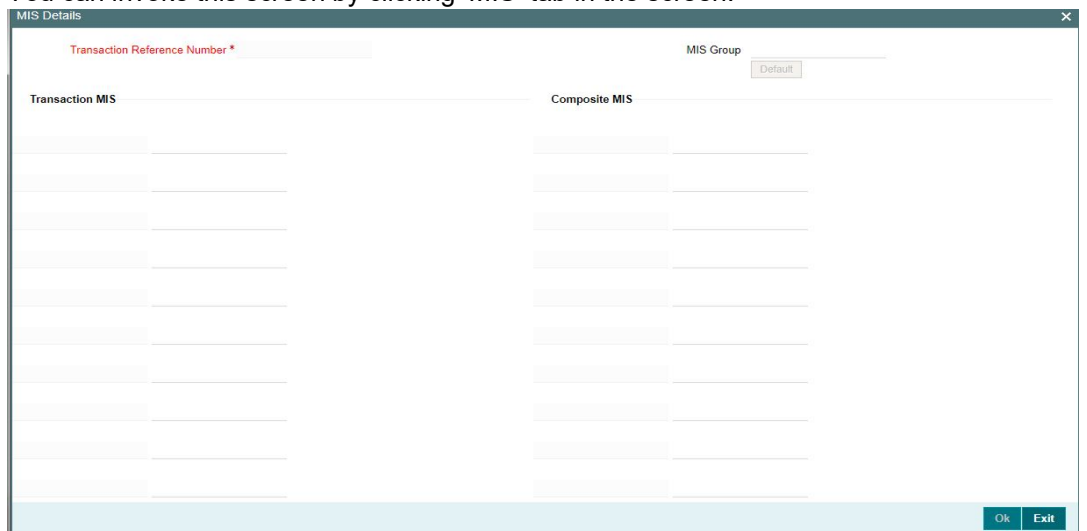
You can invoke this screen by clicking 'UDF' tab in the screen.



The screenshot shows a window titled "Fields" with a close button (X) in the top right corner. Below the title bar, there is a navigation bar with a left arrow, "1 Of 1", a right arrow, and a "Go" button. The main area contains a table with two columns: "Field Label" and "Field Value". The table is currently empty. At the bottom right of the window, there are "Ok" and "Exit" buttons.

### 2.3.2.4 MIS Tab

You can invoke this screen by clicking 'MIS' tab in the screen.



The screenshot shows a window titled "MIS Details" with a close button (X) in the top right corner. Below the title bar, there are two input fields: "Transaction Reference Number" (with a red asterisk) and "MIS Group" (with a "Default" button next to it). Below these fields, the window is divided into two columns: "Transaction MIS" and "Composite MIS". Each column contains a list of horizontal lines representing data rows. At the bottom right of the window, there are "Ok" and "Exit" buttons.

## 2.3.2.5 Outbound NACHA ACH Debit View Summary

You can invoke 'Outbound NACHA ACH Debit View Summary' screen by typing 'PNSODOVW' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

Transaction Reference Number	User Reference Number	Network Code	Receiver Account Number	Originator Account Number	Source Code	Host Code	Transaction Status	Transfer Amount

You can search using one or more of the following parameters:

- Transaction Reference Number
- Source Code
- Transfer Currency
- Activation Date
- Credit Liquidation Status
- Queue Code
- SEC Code
- Network Code
- Transaction Status
- Transaction Branch Code
- Booking Date
- File Reference Number
- Creditor Account IBAN
- Originator Account Number
- Transfer Amount
- Authorization Status
- Debit Liquidation Status
- Source Reference Number
- Dispatch Reference Number

Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria.

Double click a record or select a record and click on 'Details' button to view the detailed maintenance screen.



## 2.3.3 Inbound NACHA ACH Debit Transaction Input

You can invoke “Inbound NACHA ACH Debit Transaction Input Detailed” screen by typing the function ID ‘PNDIDONL’ in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

Specify the following fields:

### Transaction Reference Number

Unique Reference number for the payment generated by the system.

### Transaction Branch

Defaulted with logged in Branch Code.

### Host Code

Defaulted with Host Code to which the Logged in Branch is associated.

### Source Code

Defaulted as ‘MANL’; for Manually Input transactions. For transactions received through channel, relevant source code from Source maintenance would be defaulted.

### Network Code

This is selected by default.

### NACHA Entry Type

This would be defaulted to “ACH Debit”, to indicate that the transaction is NACHA Debit transfer.

### SEC code

Select the required SEC codes – The values are CCD, CTX, PPD, ARC, BOC, POP, WEB, TEL RCK and XCK.

### Transaction Reference Number

Unique Reference number for the payment generated by the system.

**User Reference**

System defaults the User reference number same as the Transaction Reference Number. You can edit this value to provide own reference number.

**Source Reference Number**

System displays the Source Reference Number provided by the channel or any other source for the transaction. You can input the value for manually booked transaction.

**File ID Modifier**

System displays the Unique number for the received file.

**File Creation Time**

System displays the File generation time in HHMM format in the received NACHA file.

**Batch Number**

This is a unique identification of every batch in the inbound NACHA file, which is generated during file generation.

**Trace Number**

This is a unique identification of each ACH entry record in the inbound NACHA file, which is generated during file generation.

**Receiver Debtor Details****Receiver Account Number**

Select the Customer Account to be debited. Option is available to use the Pick-list which displays all valid Account Numbers available in the system.

**Account Currency**

Defaulted on selecting Debtor Account Number.

**Receiving Company Name**

Defaulted on selecting Debtor Account Number.

**Receiving Company ID**

Specify the ID of the Receiving Company.

**Receiving Consumer Name**

Specify the Receiving Consumer Name.

**Identification Number**

This field is optional for the applicable SEC codes of CCD and CTX.

**Individual Identification Number**

This field is applicable but optional for SEC code of PPD and CIE.

**Customer Number**

System identifies the Customer number maintained in the system for the Creditor based on the selected Creditor Account Number and the same is defaulted in this field.

**Customer Service Model**

Defaulted with Customer Service Model linked to the identified customer.

**Originator (Creditor) Details****Company ID**

Specify the Identification of Originator of the ACH Credit transaction.

**Company Name**

The name appears by default upon selection of the Company Identification.

**Originating DFI**

You can input or search the Originating DFI from the list of values. Select a 9 digit ABA number of the Originating DFI (ODFI) (Creditor bank) which maintains the Originator's account number. This is mandatory.

**Originating DFI Name**

System defaults the name upon selection of the Originating DFI.

**Sending Point**

Select the Sending Point from the list of values.

If the ABA number in Immediate Origin field in the File Header record is not same as the ABA number in the Originating DFI Identification field in the Batch Header record (of the batch containing this transaction) then the user would need to input or search and select (from LOV) a 9 digit ABA number of the Immediate Origin field.

**Sending DFI Name**

System defaults the name upon selection of the Sending DFI.

**Payment Details****Booking Date**

This will be defaulted as application server date.

**Instruction Date**

This will be the Instruction (Value) date of the ACH Debit transaction i.e. the intended Collection Date, as instructed by the customer.

**Activation Date**

This is the date on which transaction would be processed, and would be same as Instruction Date. No Branch Holiday check would be done on the Activation Date.

**Transfer Currency**

Specify the currency of outgoing payment, which would be defaulted and fixed to USD.

**Transfer Amount**

Amount of the outgoing Debit transaction in the Transfer currency. This amount is populated in the Amount field of the Entry Details record.

**Exchange Rate**

If Transfer currency & originator account currency are different then Exchange rate can be provided by user. System retains the input value and validate the same against override and stop variances maintained at Network Preferences.

**FX Reference Number**

This Fx reference number is sent in the External Fx rate request during processing.

**Debit Amount**

This field will be populated with the transfer amount converted in Receiver account currency using the Exchange rate.

**Credit Value Date**

The value date with which the credit to Clearing GL would be done as part of the CRLQ event of transaction accounting on the Settlement date. This date would be same as Instruction Date. This will be a View only field.

**Debit Value Date**

The value date with which the debit to Receiver account would be done as part of the DRLQ event of transaction accounting on the Activation date. This date would be same as Instruction date. This will be a View only field. This will be a View only field.

**Remarks**

Specify any user remarks for the outgoing payment transaction.

**Other Transaction Details****Company Entry Description**

Specify the data as per the ACH entry in the outgoing file.

**Company Discretionary Data**

Specify the data as per the ACH entry in the outgoing file.

**Company Descriptive Date**

In outgoing ACH Debit transaction, even if this field contains one of the standard keywords for same-day settlement cycles, the same would not be considered by system. This is because same-day processing of ACH Debit transactions is not in scope.

**Transaction Code**

Select relevant options for the ACH Debit transaction of selected SEC code.

**Transaction Code Description**

Select the Transaction Code Description.

**Check Serial Number**

Specify the serial number of the physical cheque which is being collected through this ACH Debit transaction.

**Terminal City**

Specify the truncated name or abbreviation identifying a city, town or village in which the Point of Purchase electronic terminal is present where the original cheque based transaction happened.

**Terminal State**

Specify the 2 character state code of a US state in which the city, town or village is present where the Point of Purchase electronic terminal is present.

**Discretionary Data**

Specify the Discretionary Data.

**Addenda Details Button**

Please click on this button to capture Additional Payment Related Information in the Addenda record for the ACH entry in the incoming file. For more details on the fields, refer to section 3.2.3.1.

**Enrich Button**

On click of this button, System Computes the Exchange Rate & Charges if applicable.

Exchange rate is computed if the creditor account currency is different from Transfer currency. User can view the computed rate in the Exchange Rate field in Main Tab.

User can view the computed Charges in pricing Tab.

### 2.3.3.1 Pricing Tab

Click on Pricing tab to view the Pricing details. For more details on fields, refer to section 3.2.1.2.

The screenshot shows a software interface with a 'Main Pricing' header. Below the header is a navigation bar with a 'Go' button and a list of tabs: Pricing Component, Pricing Currency, Pricing Amount, Waiver, Debit Currency, and Debit Amount. The main area is empty. At the bottom, there is a 'UDF | MIS | Accounting Details' section with fields for Maker ID, Checker ID, Authorization Status, Maker Date Stamp, and Checker Date Stamp, and a 'Cancel' button.

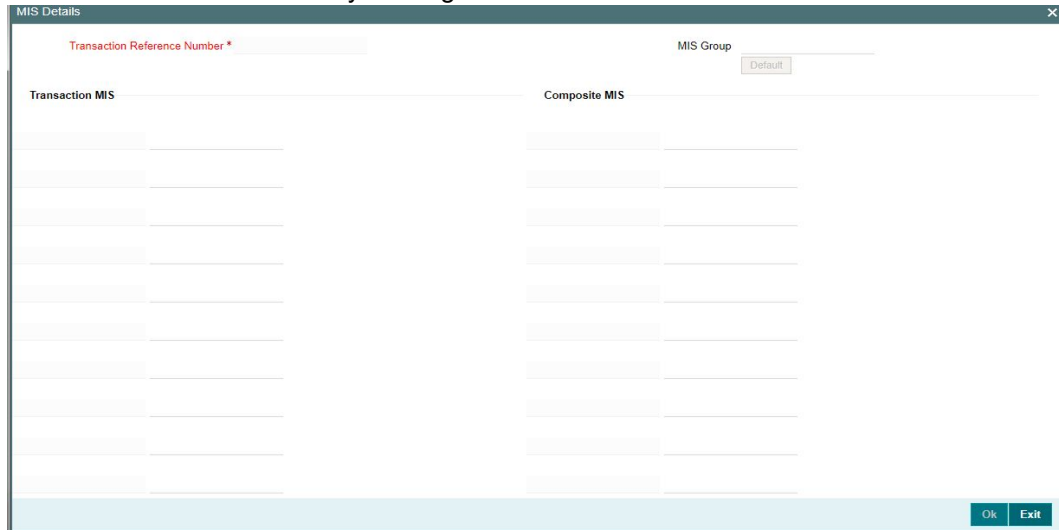
### 2.3.3.2 UDF Tab

You can invoke this screen by clicking 'UDF' tab in the screen.

The screenshot shows a 'Fields' window with a 'Go' button and a list of tabs: Field Label and Field Value. The main area is empty. At the bottom right, there are 'Ok' and 'Exit' buttons.

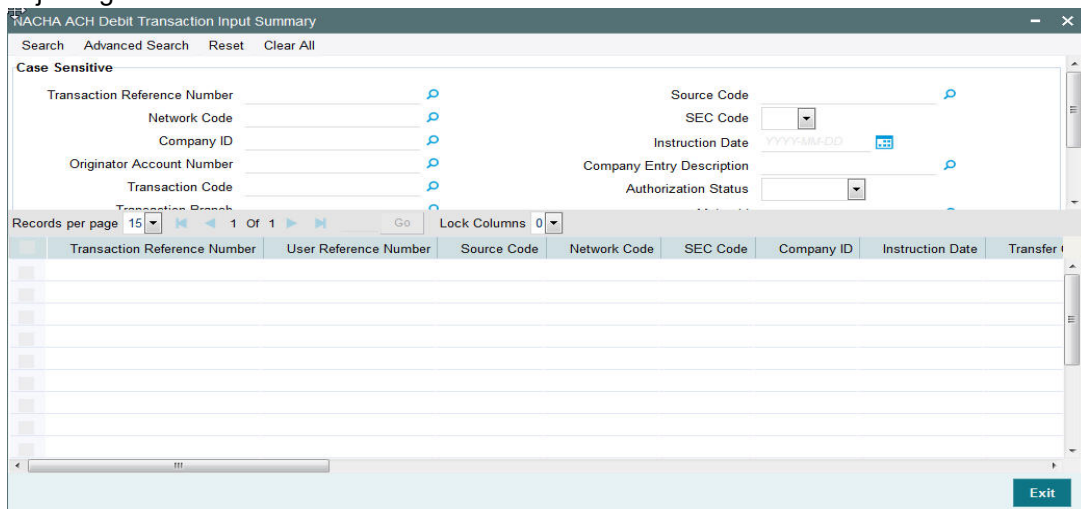
### 2.3.3.3 MIS Tab

You can invoke this screen by clicking 'MIS' tab in the screen.



### 2.3.3.4 Inbound NACHA ACH Debit Transaction Input Summary

You can invoke "Inbound NACHA ACH Debit Transaction Input Summary" screen by typing 'PNSIDONL' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.



You can search using one or more of the following parameters:

- Transaction Reference Number
- Network Code
- Company ID
- Originator Account Number
- Transaction Code
- Transaction Branch
- Checker ID
- Batch Number
- Source Code
- SEC Code
- Instruction Date

- Company Entry Description
- Authorization Status
- Maker Id
- File Id Modifier
- Trace Number

Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria.

Double click a record or select a record and click on 'Details' button to view the detailed maintenance screen.

### 2.3.4 Inbound NACHA ACH Debit Payments View

You can invoke 'NACHA Debit Payments View' screen by typing 'PNDIDIVW' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

- From this screen, click Enter Query. The Transaction Reference field gets enabled, for the user to specify the Reference Number.
- Along with the transaction details in the Main and Pricing tabs user can also view the Status details for the following:
  - Transaction Status
  - External System Status
- Click Execute Query to populate the details of the transaction in the Inbound NACHA ACH Debit Detailed View screen.

For more details on Main, Pricing tabs, refer to 'PNDIDONL' screen details above.

---

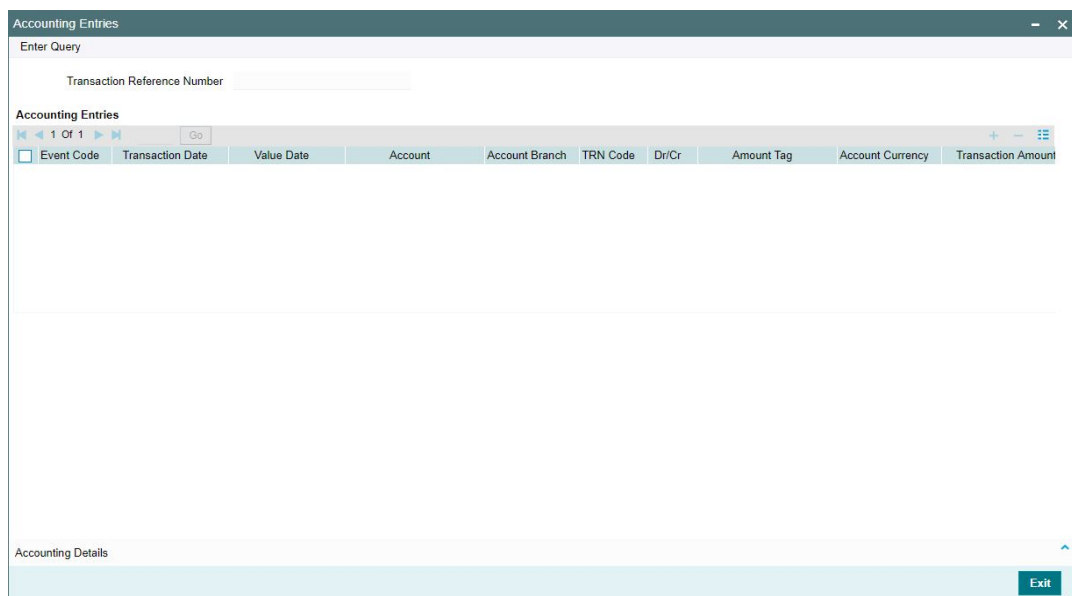
**Note****Originating DFI & Originating DFI Name:**

The system displays the ODFI 9-digit routing number and ODFI Name from the NACHA directory maintenance (PMDNCHDR) based on the validation of the 8-digit ODFI number (without check digit) present in the incoming NACHA File in the company batch header.

---

**2.3.4.1 Accounting Entries Tab**

You can view the Accounting Entries posted for the Inbound NACHA ACH debit Payment in Accounting Details tab.



---

**Note**

System supports itemized accounting for outgoing NACHA DD.

---

**2.3.4.2 View Queue Action Log**

User can view all the queue actions for the respective transaction initiated. You can invoke this screen by clicking the 'View Queue Action' button in View screen, where the Transaction



Reference Number is auto populated and related details are displayed. For more details on the fields refer to section 3.2.4.1.

View Queue Action Log

Enter Query

Transaction Reference Number  Network Code

« 1 Of 1 »

<input type="checkbox"/>	Transaction Reference Number	Action	Remarks	Queue Code	Authorization Status	Maker Id	Maker Date Stamp
--------------------------	------------------------------	--------	---------	------------	----------------------	----------	------------------

### 2.3.4.3 UDF Tab

You can invoke this screen by clicking 'UDF' tab in the screen.

Fields

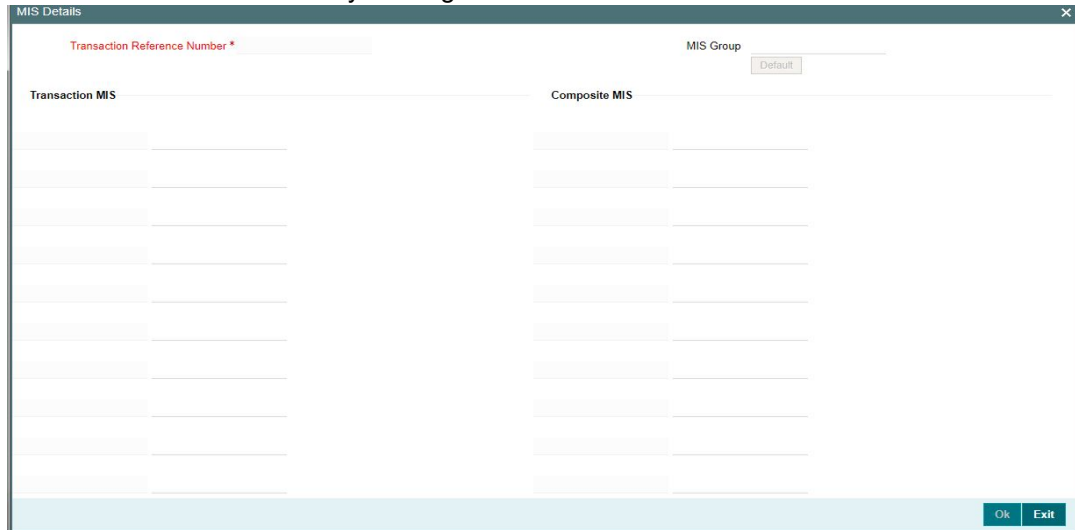
Fields

« 1 Of 1 »

<input type="checkbox"/>	Field Label	Field Value
--------------------------	-------------	-------------

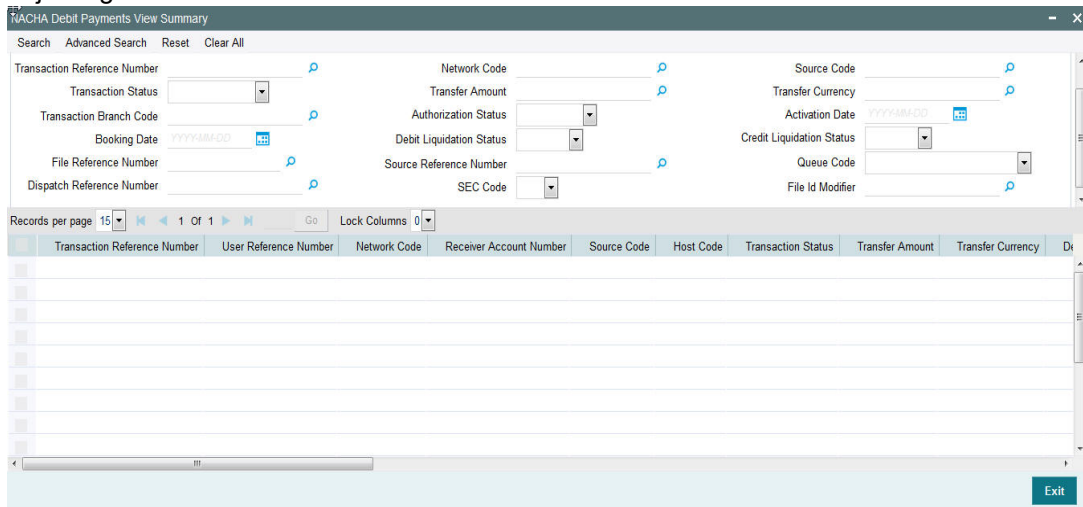
### 2.3.4.4 MIS Tab

You can invoke this screen by clicking 'MIS' tab in the screen.



### 2.3.4.5 Inbound NACHA ACH Debit Payments View Summary

You can invoke "Inbound NACHA Debit Payments View Summary" screen by typing 'PNSIDIVW' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.



You can search using one or more of the following parameters:

- Transaction Reference Number
- Transaction Status
- Transaction Branch Code
- Booking Date
- File Reference Number
- Dispatch Reference Number
- Network Code
- Transfer Amount
- Authorization Status
- Debit Liquidation Status
- Source Reference Number

- SEC Code
- Source Code
- Transfer Currency
- Activation Date
- Credit Liquidation Status
- Queue Code
- File Id Modifier

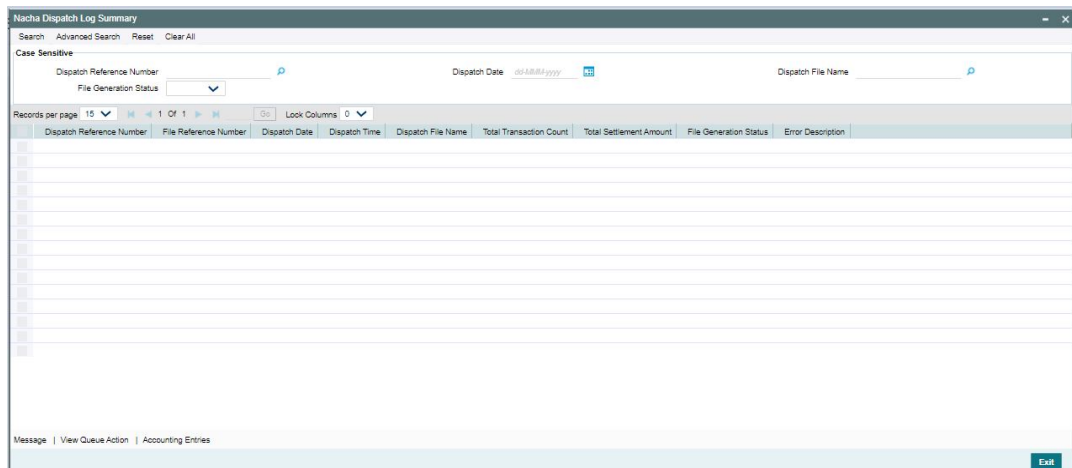
Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria.

Double click a record or select a record and click on 'Details' button to view the detailed maintenance screen.

## 2.4 NACHA Payment Browser

### 2.4.1 NACHA Dispatch Log Summary

You can invoke "NACHA Dispatch Log Summary" screen by typing 'PMSDNLOG' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.



You can search using one or more of the following parameters:

- Dispatch Reference Number
- File Generation Status
- Dispatch Date
- Dispatch File Name

Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria.

---

#### Note

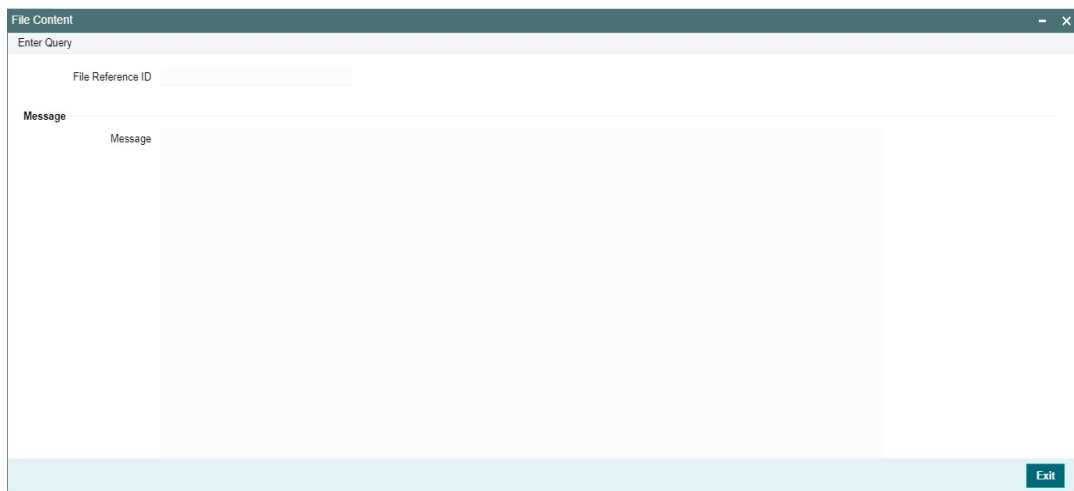
- On the successful generation of the file, the File Generation Status updates as 'Success'. The Dispatch file name generates with '.ach' as end qualifier.
- The below-mentioned mask rule defines the Dispatch File Name:
  - Naming Convention - 'ACHACHPXXXXXXXXXXFDYYYYMMDDTHHMMSSmmmm.ach'

- Application Code (Pre-set value) - 'ACH'
- Application Code of the File (Pre-set value) - 'ACHP'
- RTN - Routing Number of Sending Branch from (PMDABANR)
- Test or Production Flag - Set as System Parameters in DB
- File Transmission Date - Pre-set value 'D'
- File Transmission Date - File generation date 'YYYYMMDD'
- File Transmission Time Stamp - Pre-set value 'T'
- File Transmission Time Stamp - HHMMSSmmmm ('mmmm' refers to milliseconds. The milliseconds be always preceded by '0' ex.0999)

You can use following actions:

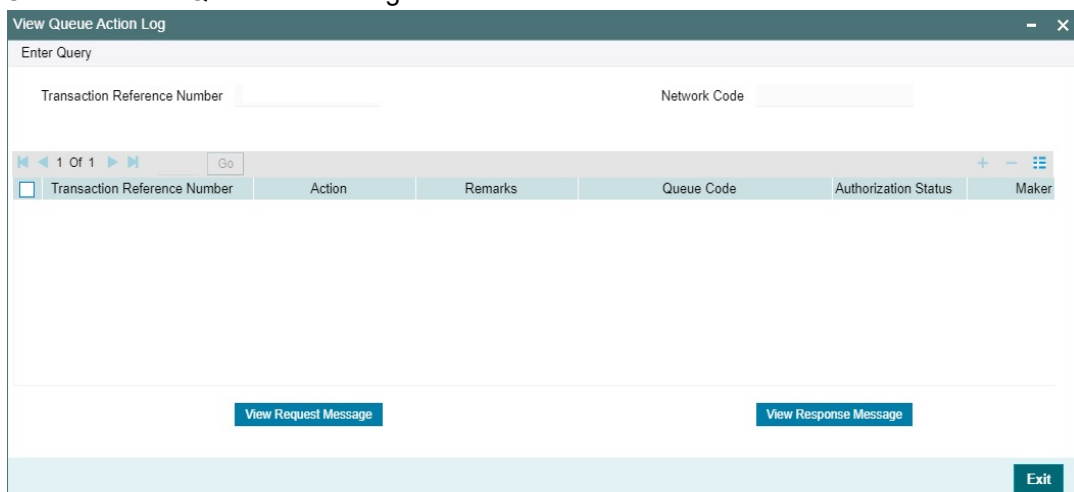
### 2.4.1.1 **Message**

Click the “Messages” button in the screen to invoke this sub-screen.



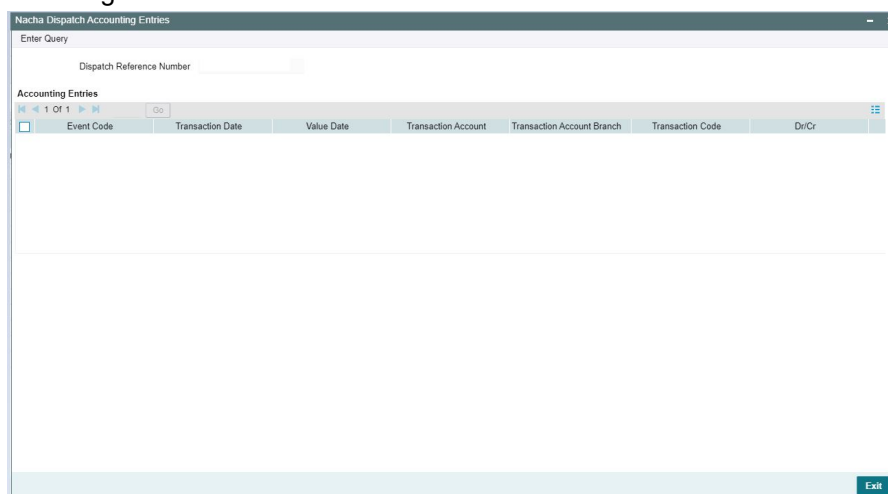
### 2.4.1.2 **View Queue Action Log**

Click the “View Queue Action Log” button in the screen to invoke this sub-screen.



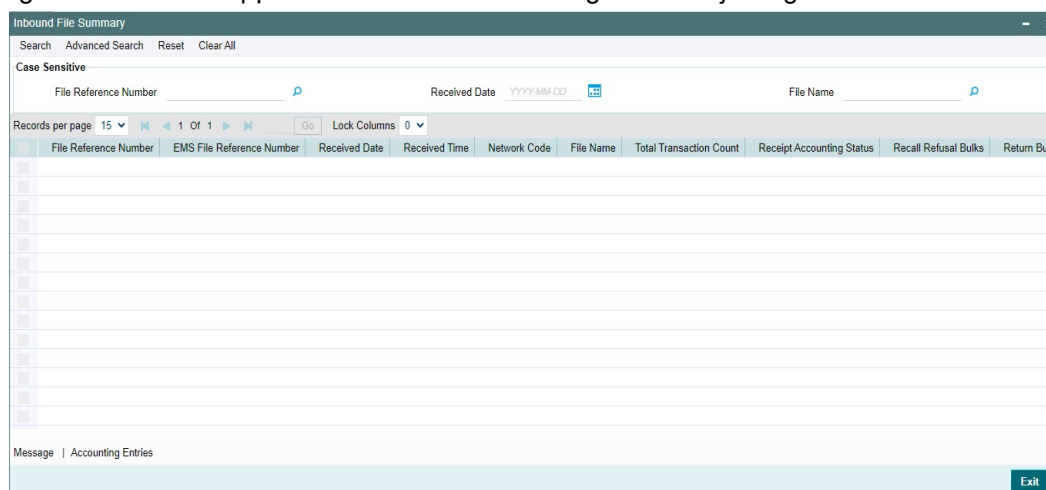
### 2.4.1.3 Nacha Dispatch Accounting Entries

Double click the record to invoke this sub-screen. You can also select the record and click the “Accounting Entries” button in the screen to invoke this sub-screen.



### 2.4.2 Inbound File Summary

You can invoke “Inbound File Summary” screen by typing ‘PMSINLOG’ in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.



You can search using one or more of the following parameters:

- File Reference Number
- Received Date
- File Name

Once you have specified the search parameters, click ‘Search’ button. The system displays the records that match the search criteria.

You can use following actions:

#### **Message**

Click the “Messages” button in the screen to invoke this sub-screen.

## Accounting Entries

The Inbound Accounting Entries sub screen lists all the receipt accounting posted on a file, based on the Transaction Code of the transactions.

## 2.5 NACHA Payments Return and Reversals

### 2.5.1 NACHA Outbound Return

You can view the outbound return transaction, using this screen.

You can invoke “NACHA Outbound Return” screen by typing the function ID ‘PNDORTNV’ in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

NACHA Outbound Return

Enter Query

Return Reference Number  
Return Date YYYY-MM-DD  
Original Transaction Reference  
Network Code

Transaction Branch  
Host Code

Main Return Response

Return Details

Return Type Administrative  
Return Reason Code  
Return Reason  
Additional Information  
Return Transaction Code  
Dispatch Status  
Dispatch Reference Number  
Dispatch Date YYYY-MM-DD  
Batch Number  
Trace Number

Original Transaction Details

Original Transaction Entry Type  
SEC Code  
Transfer Amount  
Transfer Currency  
Receiver Account Number  
Activation Date YYYY-MM-DD  
Instruction Date YYYY-MM-DD  
Customer No  
Customer Service Model  
Originating DFI  
Originating DFI Name  
Batch Number  
Trace Number

External System

Return Status  
Queue Code  
Sanction Check Status Not Applicable  
Sanction Check Reference  
External Credit approval Status Not Applicable  
External Credit Approval Reference  
External Account Check Status Not Applicable  
External Account Check Reference

View Queue Action | Accounting Entries

Maker Id  
Release Time  
Checker ID  
Checker Date Stamp  
Authorization Status  
Exit

Specify the following Date fields:

#### **Return Reference Number**

Specify the Transaction Reference Number generated for the outbound return transaction.

#### **Transaction Branch**

This field gets defaulted on Host Code selected.

#### **Return Date**

This field displays the Date when return was initiated.

#### **Host Code**

System Defaults with Host Code to which the Logged in Branch is associated.

#### **Original Transaction Reference**

This field gets defaulted to “Credit”, to indicate that the transaction is NACHA Credit transfer.

**Network Code**

You can select the appropriate NACHA network Code from the list.

**2.5.1.1 Main Tab****Return Details****Return Type**

This field displays the Return Type of the transaction.

**Return Reason Code**

Specify the Return Reason Code from EAC / Repair Queue or the auto return mapped.

**Return Reason**

The description of the reason code gets defaulted from the static data of NACHA Return Codes.

**Additional Information**

You can leave this field blank.

**Return Transaction Code**

This field displays the Transaction Code mentioned in the Outbound Return Entry Detail Record.

**Dispatch Status**

This field displays Dispatch Status on dispatching the outbound return.

**Dispatch Reference Number**

This field displays Dispatch Reference Number on dispatching the outbound return.

**Dispatch Date**

This field displays Dispatch Date on dispatching the outbound return.

**Batch Number**

This field displays Batch Number on dispatching the outbound return.

**Trace Number**

This field displays Trace Number on dispatching the outbound return.

**Original Transaction Details****Original Transaction Entry Type**

Following fields are defaulted from the original underlying outbound credit transaction:

- SEC Code
- Transfer Amount
- Transfer Currency
- Receiver Account Number
- Activation Date
- Instruction Date
- Customer No
- Customer Service Model
- Originating DFI
- Originating DFI Name
- Batch Number

- Trace Number

## **External System**

### **Return Status**

The current status of Out Return Transaction is displayed.

### **Queue Code**

This field displays the Exception Queue, where the Return Transaction is currently held.

### **Sanction Check Status**

This field displays the SC Check Status, when Return Transaction undergoes SC.

### **Sanction Check Reference**

This field displays the SC Check References, when Return Transaction undergoes SC.

### **External Credit approval Status**

Manual Return of Inbound Credit, initiated post liquidation, undergoes ECA.

### **External Credit Approval Reference**

Manual Return of Inbound Credit, initiated post liquidation, undergoes ECA.

### **External Account Check Status**

Manual Return of Inbound Debit, initiated post liquidation, undergoes EAC.

### **External Account Check Reference**

Manual Return of Inbound Debit, initiated post liquidation, undergoes EAC.

## **2.5.1.2 Return Response**

Return Response Tab displays the response received from ODFI, on the out return sent.

The screenshot shows a software interface for the 'Return Response' tab. At the top, there is a breadcrumb 'Main Return Response'. Below it are four input fields: 'Return Response' (a dropdown menu), 'File Reference Number', 'Batch Number', and 'Trace Number'. Below these fields is a navigation bar with 'View Queue Action' and 'Accounting Entries'. At the bottom, there is a table with columns for 'Maker Id', 'Release Time', 'Checker ID', 'Checker Date Stamp', and 'Authorization Status'. An 'Exit' button is located in the bottom right corner.

### **Return Response**

This field displays the Return Response as Re-Initiated or Dishonored

### **File Reference Number**

This field displays the File Reference Number from the Batch & Entry Detail record of the response, as received in the inbound file.

### **Batch Number**

This field displays the Batch Number from the Batch & Entry Detail record of the response, as received in the inbound file.



## Trace Number

This field displays the Trace Number from the Batch & Entry Detail record of the response, as received in the inbound file.

### 2.5.1.3 View Queue Action Log

The View Queue action lists the Queues action log of the return transaction.

<input type="checkbox"/>	Transaction Reference Number	Action	Remarks	Queue Code	Authorization Status	Maker Id	Maker Date Stamp
--------------------------	------------------------------	--------	---------	------------	----------------------	----------	------------------

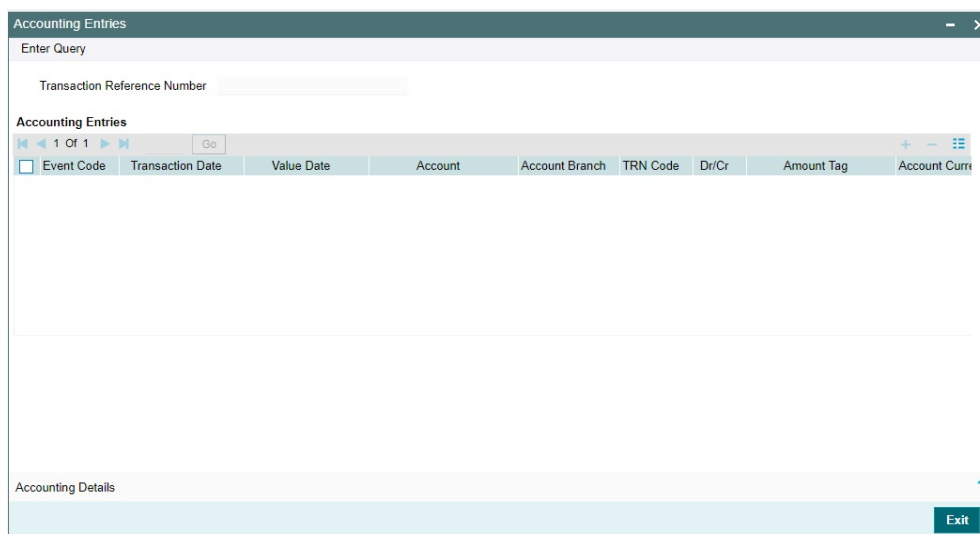
Following details are displayed:

- Transaction Reference Number
- Network Code
- Action
- Remarks
- Queue Code
- Authorization Status
- Maker ID
- Maker Date Stamp
- Checker ID
- Checker Date Stamp
- Queue Status
- Queue Reference No
- Primary External Status
- Secondary External Status
- External Reference Number

You can view the request sent and the corresponding response received for each row in Queue Action Log.

## 2.5.1.4 Accounting Entries

The Accounting Entries lists the entries that are posted on the return transaction.



The screenshot shows a window titled "Accounting Entries" with a search bar labeled "Enter Query" containing the text "Transaction Reference Number". Below the search bar is a table with the following columns: Event Code, Transaction Date, Value Date, Account, Account Branch, TRN Code, Dr/Cr, Amount Tag, and Account Curr. The table is currently empty. At the bottom right of the window is an "Exit" button.

The system displays the following details in a grid form that contains accounting entries in multiple rows:

### Reference Number

Displays the Transaction reference number.

### Event Code

Displays the Accounting event code.

### Account

The system displays the transaction account number that is debited or credited in the accounting entry.

### Account Branch

The system displays the account branch.

### TRN Code

The system populates the transaction code of the accounting entry from the Account Template maintenance.

### Dr/Cr.

The system displays whether the accounting entry is 'debit' or 'credit' leg.

### Amount Tag

The system displays the amount tag of the Amount being debited/credited.

### Account Currency

The system displays the transaction account currency.

### Transaction Amount

The system displays the transaction amount being debited/credited.

### Netting

The system displays if Netting of accounting entries is required.

### Offset Account

The system displays the Offset Account of the accounting entry for posting the offset debit/credit.

### Offset Account Branch

The system displays the Offset Account Branch.

### Offset TRN Code

The system displays the Offset Transaction Code from the Account Template maintenance.

### Offset Amount Tag

The system displays the Offset Amount Tag of the Offset amount.

### Offset Currency

The system displays the Offset Amount Currency.

### Offset Amount

The system displays the Offset Amount being debited or credited.

### Offset Netting

The system displays if the Offset Netting is required.

## 2.5.1.5 NACHA Outbound Return Summary

You can invoke “NACHA Outbound Return Summary” screen by typing ‘PNSORTNV’ in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

Original Transaction Reference	Return Reference Number	Customer No	Return Date	Return Reason	Return Reason Code	Return Transaction Code

You can search using one or more of the following parameters:

- Original Transaction Reference
- Return Reference Number
- Customer No
- Return Date
- Return Reason Code
- Originating DFI

Once you have specified the search parameters, click ‘Search’ button. The system displays the records that match the search criteria.

## 2.5.2 NACHA Inbound Return

You can view the Inbound Return Transactions, using this screen.

You can invoke “NACHA Inbound Return” screen by typing the function ID ‘PNDIRTNV’ in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

The screenshot shows the 'NACHA Inbound Return' application window. It contains several sections of input fields:

- Return Reference Number**: A text field.
- Return Date**: A date field with a 'YYYY-MM-DD' placeholder.
- Original Transaction Reference**: A text field.
- Transaction Branch**: A text field.
- Host Code**: A text field.
- Network Code**: A text field.
- Return Response**: A dropdown menu with 'Return' selected.
- Return Type**: A dropdown menu with 'Administrative' selected.
- Return Reason Code**: A text field.
- Return Reason**: A text field.
- Additional Information**: A text field.
- Return Transaction Code**: A text field.
- Incoming File Details**: A section containing:
  - File Reference Number**: A text field.
  - Batch Number**: A text field.
  - Trace Number**: A text field.
- Original Transaction Details**: A section containing:
  - Original Transaction Entry Type**: A dropdown menu.
  - SEC Code**: A text field.
  - Instruction Date**: A text field.
  - Activation Date**: A text field.
  - Transfer Amount**: A text field.
  - Transfer Currency**: A text field.
  - Receiver Account Number**: A text field.
  - Customer No**: A text field.
  - Customer Service Model**: A text field.
  - Originator Company Identification**: A text field.
  - Originator Company Name**: A text field.
  - Originating DFI**: A text field.
  - Originating DFI Name**: A text field.
  - Batch Number**: A text field.
  - Trace Number**: A text field.
- External System Status**: A section containing:
  - Return Status**: A dropdown menu.
  - Queue Code**: A dropdown menu with 'Nacha Return Queue' selected.
  - Sanction Check Status**: A dropdown menu with 'Not Applicable' selected.
  - Sanction Check Reference**: A text field.
  - External Credit Approval Status**: A dropdown menu with 'Not Applicable' selected.
  - External Credit Approval Reference**: A text field.
  - External Account Check Status**: A dropdown menu with 'Not Applicable' selected.
  - External Account Check Reference**: A text field.

At the bottom of the window, there are links for 'View Queue Action' and 'Accounting Entries', and an 'Exit' button.

Specify the following fields:

### Return Reference Number

Specify the Transaction Reference Number generated for the outbound return transaction.

### Transaction Branch

This field gets defaulted on Host Code selected.

### Return Date

This field displays the Date when return was initiated.

### Host Code

System Defaults with Host Code to which the Logged in Branch is associated.

### Original Transaction Reference

This field gets defaulted to “Credit”, to indicate that the transaction is NACHA Credit transfer.

### Network Code

You can select the appropriate NACHA network Code from the list.

## 2.5.2.1 **Return**

### **Return Type**

This field displays the Return Type of the transaction.

### **Return Reason Code**

Specify the Return Reason Code mentioned in the inbound return Addenda Record.

### **Return Reason**

The description of the reason code gets defaulted from the static data of NACHA Return Codes.

### **Additional Information**

This field displays the Addenda Information mentioned in the inbound return Addenda Record.

### **Return Transaction Code**

This field displays the Transaction Code mentioned in the Inbound Return Entry Detail Record.

## **Incoming File Details**

### **File Reference Number**

This field displays File Reference Number as received in the Inbound Return Transaction.

### **Batch Number**

This field displays Batch Number as received in the Inbound Return Transaction.

### **Trace Number**

This field displays Trace Number as received in the Inbound Return Transaction.

## **Original Transaction Details**

Following fields are defaulted from the original underlying outbound credit transaction:

- Original Transaction Entry Type
- SEC Code
- Activation Date
- Instruction Date
- Transfer Amount
- Transfer Currency
- Receiver Account Number
- Customer No
- Customer Service Model
- Originator Company Identification
- Originator Company Name
- Originating DFI
- Originating DFI Name
- Batch Number
- Trace Number

## **External System**

### **Return Status**

The current status of Out Return Transaction is displayed.

### **Queue Code**

This field displays the Exception Queue, where the Return Transaction is currently held.

### **Sanction Check Status**

This field displays the SC Check Status, when Return Transaction undergoes SC.

### **Sanction Check Reference**

This field displays the SC Check References, when Return Transaction undergoes SC.

### **External Credit Approval Status**

This field is selected as Applicable when the Inbound Dr Return is accepted & undergoes EAC or vice versa.

### **External Credit Approval Reference**

This field displays the External Credit Approval Reference.

### **External Account Check Status**

This field is selected as Applicable when the Inbound Cr Return is accepted & undergoes EAC or vice versa.

### **External Account Check Reference**

This field displays the External Account Check Reference.

## **2.5.2.2 Return Response**

Return Response Tab displays the response received from ODFI, on the out return sent.

Return **Return Response**

Return Action

Response Reason Code

Response Reason

Dispatch Details

Dispatch Status

Reference Number

Dispatch Date

Batch Number

Trace Number

### **Return Action**

This field displays the following drop down list:

- Accepted
- Re-Initiated
- Dishonored

### **Response Reason Code**

This field displays the Response Reason Code.

### Response Reason

This field displays the Return Response as Re-Initiated or Dishonored.

### Dispatch Details

#### Dispatch Status

This field displays Dispatch Status, when the inbound return is Re-initiated or Dishonored and dispatched.

#### Reference Number

This field displays Dispatch Reference Number, when the inbound return is Re-initiated or Dishonored and dispatched.

#### Dispatch Date

This field displays Dispatch Date, when the inbound return is Re-initiated or Dishonored and dispatched.

#### Batch Number

This field displays Batch Number, when the inbound return is Re-initiated or Dishonored and dispatched.

#### Trace Number

This field displays Trace Number, when the inbound return is Re-initiated or Dishonored and dispatched.

### 2.5.2.3 View Queue Action Log

The View Queue action lists the Queues action log of the return transaction.

Transaction Reference Number	Action	Remarks	Queue Code	Authorization Status	Maker Id	Maker Date Stamp
------------------------------	--------	---------	------------	----------------------	----------	------------------

Following details are displayed:

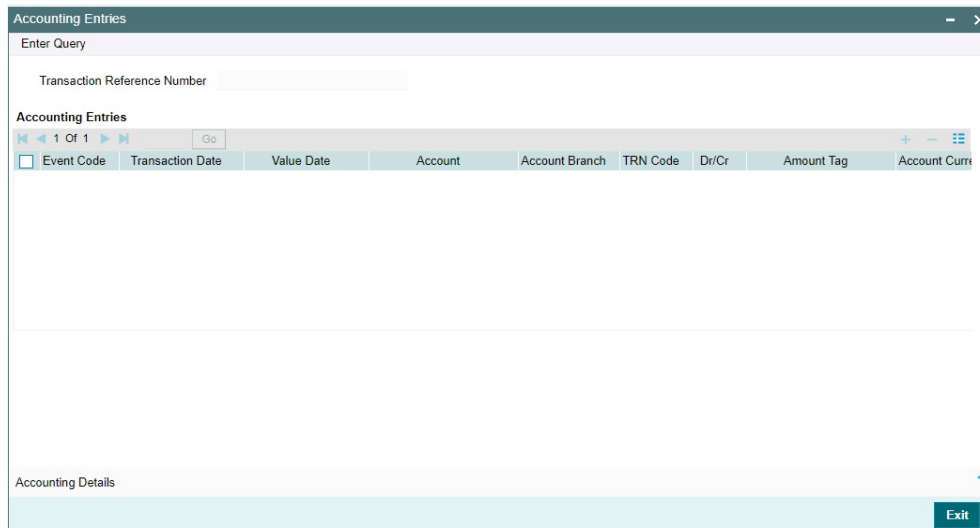
- Transaction Reference Number
- Network Code
- Action
- Remarks
- Queue Code

- Authorization Status
- Maker ID
- Maker Date Stamp
- Checker ID
- Checker Date Stamp
- Queue Status
- Queue Reference No
- Primary External Status
- Secondary External Status
- External Reference Number

You can view the request sent and the corresponding response received for each row in Queue Action Log.

#### 2.5.2.4 **Accounting Entries**

The Accounting Entries lists the entries that are posted on the return transaction.



The system displays the following details in a grid form that contains accounting entries in multiple rows:

##### **Reference Number**

Displays the Transaction reference number.

##### **Event Code**

Displays the Accounting event code.

##### **Account**

The system displays the transaction account number that is debited or credited in the accounting entry.

##### **Account Branch**

The system displays the account branch.



**TRN Code**

The system populates the transaction code of the accounting entry from the Account Template maintenance.

**Dr/Cr.**

The system displays whether the accounting entry is 'debit' or 'credit' leg.

**Amount Tag**

The system displays the amount tag of the Amount being debited/credited.

**Account Currency**

The system displays the transaction account currency.

**Transaction Amount**

The system displays the transaction amount being debited/credited.

**Netting**

The system displays if Netting of accounting entries is required.

**Offset Account**

The system displays the Offset Account of the accounting entry for posting the offset debit/credit.

**Offset Account Branch**

The system displays the Offset Account Branch.

**Offset TRN Code**

The system displays the Offset Transaction Code from the Account Template maintenance.

**Offset Amount Tag**

The system displays the Offset Amount Tag of the Offset amount.

**Offset Currency**

The system displays the Offset Amount Currency.

**Offset Amount**

The system displays the Offset Amount being debited or credited.

**Offset Netting**

The system displays if the Offset Netting is required.

### 2.5.2.5 NACHA Inbound Return Summary

You can invoke “NACHA Inbound Return Summary” screen by typing ‘PNSIRTNV’ in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

NACHA Inbound Return Summary

Search Advanced Search Reset Clear All

Case Sensitive

Customer No Network Code

Original Transaction Reference Return Reference Number

Records per page 15 1 Of 1 Go Lock Columns 0

Activation Date	Additional Information	Authorization Status	Checker Date Stamp	Checker ID	Customer No	Customer Service Model	External Acco

Exit

You can search using one or more of the following parameters:

- Customer No
- Network Code
- Original Transaction Reference
- Return Reference Number

Once you have specified the search parameters, click ‘Search’ button. The system displays the records that match the search criteria.

### 2.5.3 NACHA Inbound Return Queue

All inbound return transactions created are parked on this queue screen.

You can invoke the 'NACHA Inbound Return Queue' screen by typing 'PQSNRTNQ' in the field at the top right corner of the application toolbar and clicking the adjoining arrow button.

You can search for records using one or more of the following parameters:

- Return Reference Number
- Transaction Reference Number
- Current Status
- Authorization Status
- Activation Date
- Originator Company Id
- Customer
- Customer Service Model
- Standard Entry Class Code
- Entry Type
- Network Code
- Queue Reference Number
- Receiving DFI
- Source Reference Number
- Transfer Amount
- Transfer Currency
- Transaction Action
- Transaction Branch
- Network Type Code

Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria.

You can perform below actions:

### 2.5.3.1 Accept

You can invoke Accept Details sub screen by clicking on the Accept button.

Accept Details

Queue Reference Number  
Host Code  
Payment Type: NACHA  
Transfer Currency  
Remarks \*

Transaction Reference Number  
Network Code  
Entry Type: Credit  
Transaction Type: Return  
Transfer Amount  
Queue Status

Dishonor Details  
Reject Code  
Reject Reason  
Addenda Information  
Return Date  
Return Reference

Maker Id  
Checker ID  
Authorization Status  
Release Time  
Checker Date Stamp

Ok Exit

You can search using one or more of the following parameters:

### 2.5.3.2 Reinitiate

You can invoke “NACHA Outbound Payment Transaction Input” (PNDOTONL) sub screen by clicking on the Reinitiate button. For more information about the screen, refer to

### 2.5.3.3 Dishonor

You can invoke Cancel Details sub screen by clicking on the Dishonor button to capture NACHA Reason code & Addenda info.

Cancel Details

Queue Reference Number  
Host Code  
Payment Type: NACHA  
Transfer Currency  
Remarks \*

Transaction Reference Number  
Network Code  
Entry Type: Credit  
Transaction Type: Returned  
Transfer Amount  
Queue Status

Dishonor Details  
Reject Code: R02  
Reject Reason  
Addenda Information  
Return Date  
Return Reference

Maker Id  
Checker ID  
Authorization Status  
Release Time  
Checker Date Stamp

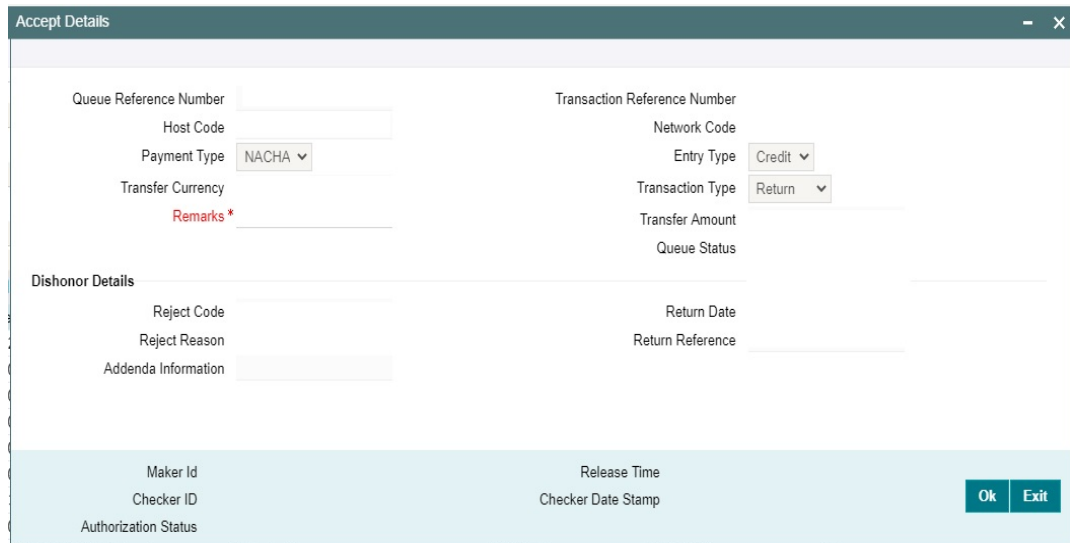
Ok Exit

### 2.5.3.4 Authorize

You can invoke “NACHA Outbound Payment Transaction Input” (PNDOTONL) sub screen by clicking on the Authorize button. For more information about the screen, refer to

### 2.5.3.5 Delete

You can invoke Accept Details sub screen by clicking on the Delete button.



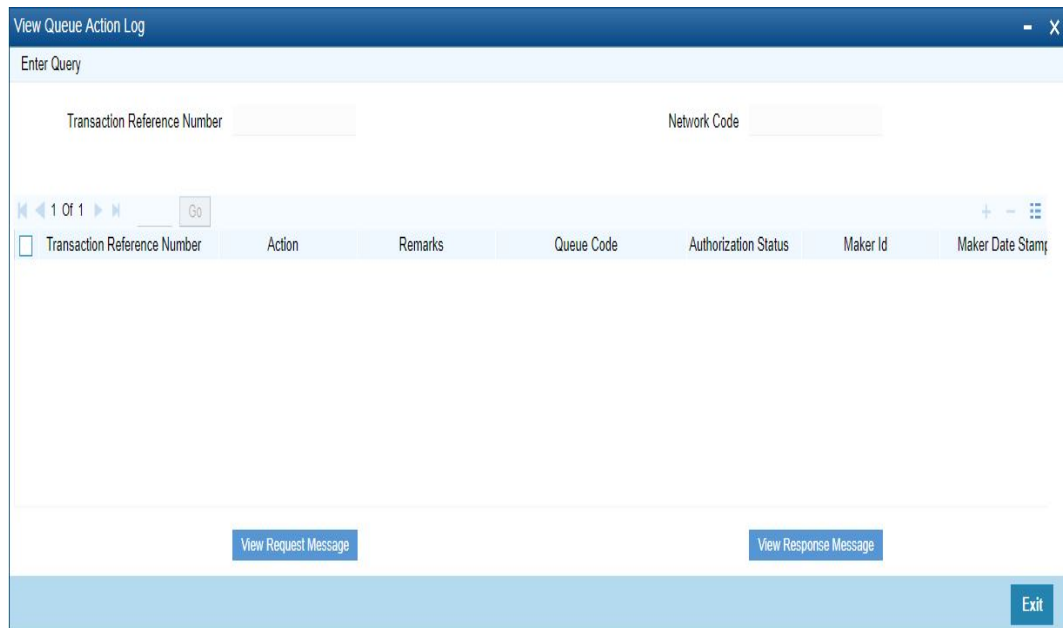
You can search using one or more of the following parameters:

### 2.5.3.6 View Transaction

You can invoke “NACHA Inbound Return” (PNDIRTNV) sub screen for selected transaction by clicking on the View Transaction button. For more information about the screen, refer to

### 2.5.3.7 View Queue Action Log

You can view the list of queue action log of the inbound return transaction. You can invoke this screen by clicking the ‘View Queue Action’ button in View screen, where the Transaction Reference Number is auto populated and related details are displayed.



Following details are displayed:

- Transaction Reference Number
- Network Code

- Action
- Remarks
- Queue Code
- Authorization Status
- Maker ID
- Maker Date Stamp
- Checker ID
- Checker Date Stamp
- Queue Status
- Queue Reference No
- Primary External Status
- Secondary External Status
- External Reference Number

You can view the request sent and the corresponding response received for each row in Queue Action Log.

## 2.5.4 US NACHA Outbound Reversal

You can initiate a Reversal Request for both Credit & Debit entries, using this screen.

You can invoke “US NACHA Outbound Reversal” screen by typing the function ID ‘PNDOREVR’ in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

Specify the following fields:

### **Reverse Reference Number**

System defaults the Reverse Reference Number.

**Transaction Branch**

This field gets defaulted on Host Code selected.

**Reversal Date**

This field displays the current Date.

**Host Code**

System Defaults with Host Code to which the Logged in Branch is associated.

**Original Outbound Transaction Reference**

Specify the Original Outbound Transaction Reference from the list of values. LOV lists all outbound Credit entries and for which no R action is received / taken. Select the Credit entry to be reversed.

**Network Code**

You can select the appropriate NACHA network Code from the list.

**Reversal Details****Reversal Type**

This field displays the Reversal Type of the transaction.

**Reversal Reason Code**

Specify the Return Reason Code from the list of values. LOV lists all the NACHA supported Reason Codes from factory shipped static data.

**Reversal Reason**

This field displays the description of the selected reason code.

**Additional Information**

You can specify the remarks for the reversal action.

**Reversal Transaction Code**

This field displays the Transaction Code mentioned in the Inbound Return Entry Detail Record.

**Original Transaction Details**

Following fields displays the selected parent credit transaction:

- Original Transaction Entry Type
- SEC Code
- Instruction Date
- Activation Date
- Transfer Amount
- Transfer Currency
- Receiver Account Number
- Customer No
- Customer Service Model
- Batch Number
- Trace Number





## 2.5.5 NACHA Outbound Reversal View

You can view the Outbound Reversal Requests raised, using this screen.

You can invoke “NACHA Outbound Reversal View” screen by typing the function ID ‘PNDOREVV’ in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

Specify the following fields:

### Reversal Reference

Specify the Transaction Reference Number generated for the outbound reversal transaction.

### Transaction Branch

This field gets defaulted on Host Code selected.

### Reversal Date

This field displays the Date when reversal was initiated.

### Host Code

System Defaults with Host Code to which the Logged in Branch is associated.

### Original Transaction Reference

This field gets defaulted to “Credit”, to indicate that the transaction is NACHA Credit transfer.

### Network Code

You can select the appropriate NACHA network Code from the list.

## 2.5.5.1 **Reversal**

### **Reversal Type**

This field displays the Reversal Type of the transaction.

### **Reversal Reason Code**

This field displays the Reversal Reason Code

### **Reversal Reason**

The description of the reason code gets defaulted from the static data of NACHA Reversal Codes.

### **Additional Information**

This field displays the Additional Information.

### **Reversal Transaction Code**

This field displays the Transaction Code.

### **Original Transaction Details**

Following fields are defaulted from the original underlying outbound credit transaction:

- Original Transaction Entry Type
- SEC Code
- Activation Date
- Instruction Date
- Transfer Amount
- Transfer Currency
- Receiver Account Number
- Customer No
- Customer Service Model
- Batch Number
- Trace Number

### **External System Status**

#### **Reversal Status**

The current status of Out Reversal Transaction is displayed.

#### **Queue Code**

This field displays the Exception Queue, where the Return Transaction is currently held.

#### **Sanction Check Status**

This field displays the SC Check Status, when Return Transaction undergoes SC.

#### **Sanction Check Reference**

This field displays the SC Check References, when Return Transaction undergoes SC.

#### **ECA Status**

This field is selected as Applicable when the Inbound Dr Return is accepted & undergoes EAC or vice versa.

### External Credit Approval Reference

This field displays the External Credit Approval Reference.

### External Account Check Status

This field is selected as Applicable when the Inbound Cr Return is accepted & undergoes EAC or vice versa.

### External Account Check Reference

This field displays the External Account Check Reference.

### Dispatch Details

You can view following Dispatch field details, once the Out Reversal Transaction is dispatched:

- Dispatch Status
- Dispatch Reference Number
- Dispatch Date
- Batch Number
- Trace Number

## 2.5.5.2 Reversal Response

Reversal Response Tab displays the response received from ODFI, on the out return sent.

Reversal | **Reversal Response**

Reversal Response ▾

File Reference Number \_\_\_\_\_

Batch Number \_\_\_\_\_

Trace Number \_\_\_\_\_

View Queue Action | Accounting Entries

Maker Id Checker ID Record Status Open ▾

Release Time Checker Date Stamp **Exit**

### Reversal Response

This field display the Reversal Response.

### File Reference Number

This field displays the Response Reason Code.

### Batch Number

This field displays the Batch Number.

### Trace Number

This field displays the Trace Number.

### 2.5.5.3 View Queue Action

The View Queue action lists the Queues action of the return transaction.

Transaction Reference Number	Action	Remarks	Queue Code	Authorization Status	Maker Id	Maker Date Stamp
------------------------------	--------	---------	------------	----------------------	----------	------------------

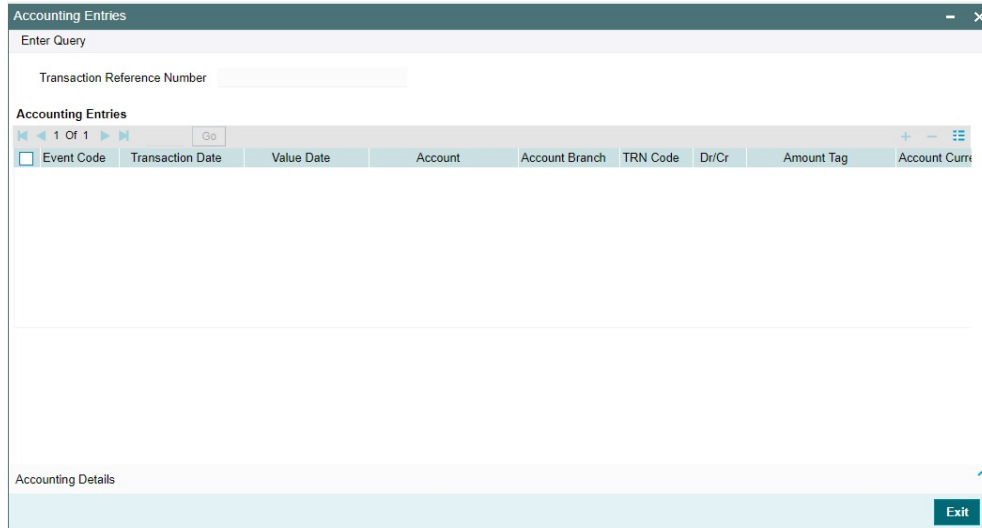
Following details are displayed:

- Transaction Reference Number
- Network Code
- Action
- Remarks
- Queue Code
- Authorization Status
- Maker ID
- Maker Date Stamp
- Checker ID
- Checker Date Stamp
- Queue Status
- Queue Reference No
- Primary External Status
- Secondary External Status
- External Reference Number

You can view the Queue Action Log of the Out Reversal Transaction.

### 2.5.5.4 Accounting Entries

The Accounting Entries lists the entries that are posted on the return transaction.



The system displays the following details in a grid form that contains accounting entries in multiple rows:

**Reference Number**

Displays the Transaction reference number.

**Event Code**

Displays the Accounting event code.

**Account**

The system displays the transaction account number that is debited or credited in the accounting entry.

**Account Branch**

The system displays the account branch.

**TRN Code**

The system populates the transaction code of the accounting entry from the Account Template maintenance.

**Dr/Cr.**

The system displays whether the accounting entry is 'debit' or 'credit' leg.

**Amount Tag**

The system displays the amount tag of the Amount being debited/credited.

**Account Currency**

The system displays the transaction account currency.

**Transaction Amount**

The system displays the transaction amount being debited/credited.

**Netting**

The system displays if Netting of accounting entries is required.

**Offset Account**

The system displays the Offset Account of the accounting entry for posting the offset debit/credit.

### Offset Account Branch

The system displays the Offset Account Branch.

### Offset TRN Code

The system displays the Offset Transaction Code from the Account Template maintenance.

### Offset Amount Tag

The system displays the Offset Amount Tag of the Offset amount.

### Offset Currency

The system displays the Offset Amount Currency.

### Offset Amount

The system displays the Offset Amount being debited or credited.

### Offset Netting

The system displays if the Offset Netting is required.

## 2.5.5.5 NACHA Outbound Reversal View Summary

You can invoke “NACHA Outbound Reversal View Summary” screen by typing ‘PNSOREVV’ in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

Reversal Reference	Original Outbound Transaction Reference	Additional Information	Customer No	Customer Service Model	Dispatch Date	Dispatch Reference Number	Dispatch Status	Batch Num
--------------------	---	------------------------	-------------	------------------------	---------------	---------------------------	-----------------	-----------

You can search using one or more of the following parameters:

- Reversal Reference
- Transaction Status
- Authorization Status
- Original Outbound Transaction Reference
- Queue Code
- File Reference Number
- Reversal Status

Once you have specified the search parameters, click ‘Search’ button. The system displays the records that match the search criteria.

## 2.5.6 NACHA Inbound Reversal

You can view the inbound reversal requests, using this screen.

You can invoke “NACHA Inbound Reversal” screen by typing the function ID ‘PNDIREVW’ in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

The screenshot shows the 'NACHA Inbound Reversal' application window. The window title is 'NACHA Inbound Reversal'. The main area is titled 'Enter Query' and contains several sections of input fields:

- Reversal Reference Number**: A text field.
- Reversal Date**: A date field with the format 'YYYY-MM-DD'.
- Original Transaction Reference**: A text field.
- Transaction Branch**: A text field.
- Host Code**: A text field.
- Network Code**: A text field.

Below these are two columns of details:

- Reversal Details**:
  - Reversal Type**: A dropdown menu with 'Administrative' selected.
  - Reversal Reason Code**: A text field.
  - Reversal Reason**: A text field.
- Original Transaction Details**:
  - Original Transaction EntryType**: A dropdown menu.
  - SEC Code**: A text field.
  - Instruction Date**: A text field.
  - Activation Date**: A text field.
  - Transfer Amount**: A text field.
  - Transfer Currency**: A text field.
  - Receiver Account Number**: A text field.
  - Customer No**: A text field.
  - Customer Service Model**: A text field.
  - Originator Company Identification**: A text field.
  - Originator Company Name**: A text field.
  - Originating DFI**: A text field.
  - Originating DFI Name**: A text field.
  - Batch Number**: A text field.
  - Trace Number**: A text field.

Further down is the **Dispatch Details** section with fields for Dispatch Status, Dispatch Reference Number, Dispatch Date, Batch Number, and Trace Number.

At the bottom is the **External System Status** section with dropdown menus for Reversal Status, Queue Code, Sanction Check Status, and External Credit Approval Status, and text fields for Sanction Check Reference and External Credit Approval Reference.

The footer contains a status bar with fields for 'View Queue Action', 'Accounting Entries', 'Maker Id', 'Release Time', 'Checker ID', 'Checker Date Stamp', 'Authorization Status', and an 'Exit' button.

Specify the following fields:

### Reversal Reference Number

Reversal Reference Number is auto generated.

### Transaction Branch

This field gets defaulted on Host Code selected.

### Reversal Date

This field displays the Date as received in the inbound request.

### Host Code

System Defaults with Host Code to which the Logged in Branch is associated.

### Original Transaction Reference

This field displays the parent transaction identified based on the Trace Number received in the Addenda of the Inbound Reversal request.

**Network Code**

You can select the appropriate NACHA network Code from the list.

**2.5.6.1 Reversal Details****Reversal Type**

This field displays the Return Type with following drop down values:

- Administrative Reversal - If received within 2 days of parent transaction value date
- Extended Reversal - If received after 2 days of parent transaction value date

**Reversal Reason Code**

Specify the Return Reason Code as received in the inbound file in the Addenda record.

**Reversal Reason**

This field displays the description of the selected reason code from static data.

**Original Transaction Details**

Following fields are defaulted from the details of the parent inbound credit transaction:

- Original Transaction Entry Type
- SEC Code
- Activation Date
- Instruction Date
- Transfer Amount
- Transfer Currency
- Receiver Account Number
- Customer No
- Customer Service Model
- Originator Company Identification
- Originator Company Name
- Originating DFI
- Originating DFI Name
- Batch Number
- Trace Number

**Dispatch Details**

You can view following Dispatch field details, once the Out Reversal request is dispatched:

- Dispatch Status
- Dispatch Reference Number
- Dispatch Date
- Batch Number
- Trace Number

**External System****Reversal Status**

The current status of Out Reversal Transaction is displayed.

**Queue Code**

This field displays the Exception Queue, where the Reversal Transaction is currently held.



### Sanction Check Status

This field displays the SC Check Status.

### Sanction Check Reference

This field displays the SC Check References.

### External Credit Approval Status

This field is selected as Applicable.

### External Credit Approval Reference

This field displays the External Credit Approval Reference.

## 2.5.6.2 View Queue Action Log

The View Queue action lists the Queues action log of the reversal transaction.

Transaction Reference Number	Action	Remarks	Queue Code	Authorization Status	Maker Id	Maker Date Stamp
------------------------------	--------	---------	------------	----------------------	----------	------------------

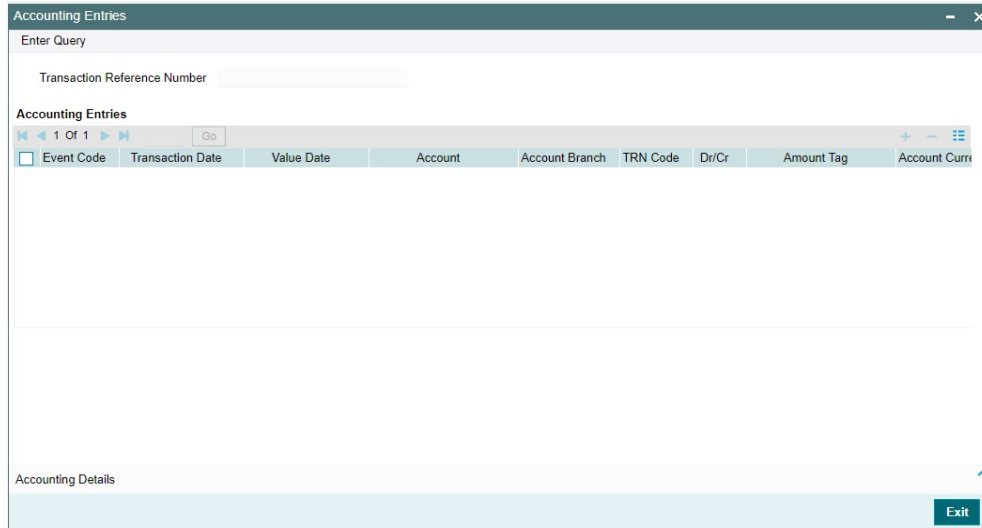
Following details are displayed:

- Transaction Reference Number
- Network Code
- Action
- Remarks
- Queue Code
- Authorization Status
- Maker ID
- Maker Date Stamp
- Checker ID
- Checker Date Stamp
- Queue Status
- Queue Reference No
- Primary External Status
- Secondary External Status
- External Reference Number

You can view the request sent and the corresponding response received for each row in Queue Action Log.

### 2.5.6.3 **Accounting Entries**

The Accounting Entries lists the entries that are posted on the reversal transaction.



The system displays the following details in a grid form that contains accounting entries in multiple rows:

#### **Reference Number**

Displays the Transaction reference number.

#### **Event Code**

Displays the Accounting event code.

#### **Account**

The system displays the transaction account number that is debited or credited in the accounting entry.

#### **Account Branch**

The system displays the account branch.

#### **TRN Code**

The system populates the transaction code of the accounting entry from the Account Template maintenance.

#### **Dr/Cr.**

The system displays whether the accounting entry is 'debit' or 'credit' leg.

#### **Amount Tag**

The system displays the amount tag of the Amount being debited/credited.

#### **Account Currency**

The system displays the transaction account currency.

#### **Transaction Amount**

The system displays the transaction amount being debited/credited.

## Netting

The system displays if Netting of accounting entries is required.

## Offset Account

The system displays the Offset Account of the accounting entry for posting the offset debit/credit.

## Offset Account Branch

The system displays the Offset Account Branch.

## Offset TRN Code

The system displays the Offset Transaction Code from the Account Template maintenance.

## Offset Amount Tag

The system displays the Offset Amount Tag of the Offset amount.

## Offset Currency

The system displays the Offset Amount Currency.

## Offset Amount

The system displays the Offset Amount being debited or credited.

## Offset Netting

The system displays if the Offset Netting is required.

### 2.5.6.4 NACHA Inbound Reversal Summary

You can invoke “NACHA Inbound Reversal Summary” screen by typing ‘PNSIREVW’ in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

The screenshot shows the 'NACHA Inbound Reversal Summary' application window. At the top, there are search options: 'Search', 'Advanced Search', 'Reset', and 'Clear All'. Below this, a 'Case Sensitive' checkbox is present. The main area contains several search fields: 'Instruction Date', 'Original Transaction Reference', 'Reversal Reference Number', and 'SEC Code', each with a magnifying glass icon. To the right, there are dropdown menus for 'Original Transaction Entry Type' and 'Reversal Status', and a date field for 'Reversal Date' with a calendar icon. Below the search fields is a control bar with 'Records per page' set to 15, navigation arrows, 'Go', and 'Lock Columns' set to 0. The main data area is a table with columns: 'Transaction Branch', 'Activation Date', 'Additional Information', 'Authorization Status', 'Checker Date Stamp', 'Checker ID', 'Customer Service Model', and 'Batch #'. The table is currently empty. An 'Exit' button is located in the bottom right corner.

You can search using one or more of the following parameters:

- Instruction Date
- Original Transaction Reference
- Reversal Reference Number
- SEC Code

- Original Transaction Entry Type
- Reversal Date
- Reversal Status

Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria.

## 2.5.7 **NACHA Inbound Reversal Queue**

You can invoke the 'NACHA Inbound Reversal Queue' screen by typing 'PQSNREVQ' in the field at the top right corner of the application toolbar and clicking the adjoining arrow button.

You can search for records using one or more of the following parameters:

- Reversal Reference Number
- Transaction Reference Number
- Source Reference Number
- Queue Reference Number
- Company Identification
- Receiving DFI
- Transaction Action
- Authorization Status
- Standard Entry Class Code
- Entry Type
- Customer No
- Customer Service Model
- Transaction Branch
- Transfer Currency
- Transfer Share
- Activation Date
- Current Status

Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria.

You can perform below actions:

### 2.5.7.1 Accept

You can invoke Accept Details sub screen by clicking on the Accept button.

Accept Details

Queue Reference Number	Transaction Reference Number
Host Code	Network Code
Payment Type: NACHA	Entry Type: Credit
Transfer Currency	Transaction Type: Return
Remarks *	Transfer Amount
	Queue Status
Dishonor Details	
Reject Code	Return Date
Reject Reason	Return Reference
Addenda Information	
Maker Id	Release Time
Checker ID	Checker Date Stamp
Authorization Status	

Ok Exit

### 2.5.7.2 Dishonor

You can invoke Cancel Details sub screen by clicking on the Dishonor button to capture NACHA Reason code & Addenda info.

Cancel Details

Queue Reference Number	Transaction Reference Number
Host Code	Network Code
Payment Type: NACHA	Entry Type: Credit
Transfer Currency	Transaction Type: Returned
Remarks *	Transfer Amount
	Queue Status
Dishonor Details	
Reject Code: R02	Return Date
Reject Reason	Return Reference
Addenda Information	
Maker Id	Release Time
Checker ID	Checker Date Stamp
Authorization Status	

Ok Exit

### 2.5.7.3 Authorize

You can invoke "NACHA Outbound Payment Transaction Input" (PNDOTONL) sub screen by clicking on the Authorize button. For more information about the screen, refer to

## 2.5.7.4 Delete

You can invoke Accept Details sub screen by clicking on the Delete button.

Accept Details

Queue Reference Number  
Host Code  
Payment Type: NACHA  
Transfer Currency  
Remarks \*

Transaction Reference Number  
Network Code  
Entry Type: Credit  
Transaction Type: Return  
Transfer Amount  
Queue Status

Dishonor Details  
Reject Code  
Reject Reason  
Addenda Information

Maker Id  
Release Time  
Checker ID  
Checker Date Stamp  
Authorization Status

Ok Exit

## 2.5.7.5 View Transaction

You can invoke “NACHA Inbound Return” (PNDIRTNV) sub screen for selected transaction by clicking on the View Transaction button. For more information about the screen, refer to

## 2.5.7.6 View Queue Action Log

You can view the list of queue action log of the inbound return transaction. You can invoke this screen by clicking the ‘View Queue Action’ button in View screen, where the Transaction Reference Number is auto populated and related details are displayed.

View Queue Action Log

Enter Query

Transaction Reference Number  
Network Code

1 Of 1  
Go

Transaction Reference Number	Action	Remarks	Queue Code	Authorization Status	Maker Id	Maker Date Stamp

View Request Message  
View Response Message  
Exit

Following details are displayed:

- Transaction Reference Number
- Network Code
- Action

- Remarks
- Queue Code
- Authorization Status
- Maker ID
- Maker Date Stamp
- Checker ID
- Checker Date Stamp
- Queue Status
- Queue Reference No
- Primary External Status
- Secondary External Status
- External Reference Number

You can view the request sent and the corresponding response received for each row in Queue Action Log.

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## 3. Function ID Glossary

### P

PMDABANR .....	2-71	PNDODOVW .....	2-56
PMDCIACC .....	2-12	PNDOREVR .....	2-89
PMDNACDP .....	2-9	PNDOREVV .....	2-92
PMDNCHDR ..2-19, 2-44, 2-67		PNDORTNV .....	2-73
PMDNCHUP .....	2-21	PNDOTONL .....	2-23, 2-31
PMSCIACC .....	2-13	PNDOVIEW .....	2-31
PMSDNLOG .....	2-70	PNSCRPRF .....	2-4
PMSINLOG .....	2-72	PNSDMAND .....	2-18
PMSNACDP .....	2-11	PNSDRPRF .....	2-9
PMSNCHDR .....	2-21	PNSIDIVW .....	2-69
PNDCCRPRF .....	2-2	PNSIDONL .....	2-65
PNDDMAND .....	2-14	PNSIREVW .....	2-102
PNDDRPRF .....	2-7	PNSIRTNV .....	2-85
PNDIDIVW .....	2-66	PNSITONL .....	2-42
PNDIDONL .....	2-60, 2-66	PNSNWPRF .....	2-6
PNDIREVW .....	2-98	PNSODONL .....	2-55
PNDIRTNV .....	2-79	PNSODOVW .....	2-59
PNDITONL .....	2-36, 2-44	PNSOREVV .....	2-97
PNDIVIEW .....	2-43	PNSORTNV .....	2-78
PNDNWPRF .....	2-5	PNSOTONL .....	2-30
PNDODONL .....	2-49, 2-56	PQSNREVQ .....	2-103
		PQSNRTNQ .....	2-86