US NACHA User Guide Oracle Banking Payments

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US NACHA User Guide Oracle Financial Services Software Limited

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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 <u>Audience</u>

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	About this Manual gives information on the intended audience. It also lists the various chapters covered in this User Manual.
Chapter 2	NACHA Payments 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 <u>Glossary of Icons</u>

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

lcons	Function
×	Exit
+	Add row
-	Delete row
Q	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 Transfer Currency * Payment Preferences R-Transac	Outbound V	Network Description Host Description Entry Type Network Type Description	Credit 🗸	
Accounting Code				
Debit Liquidation				
Credit Liquidation				
Dispatch Accounting				
Receipt Accounting				
Maker	Date Time:	Mod No	Record Statu	IS Exit
Checker	Date Time:		Authorization Statu	IS

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 <u>R-transaction Preferences</u>

Payment Preferences R-Transaction Prefer	ences			
Accounting Codes				
Debit Liquidation				
Credit Liquidation				
Dispatch Accounting				
Receipt Accounting				
Mature	Data Time	AL. J.M.	Decend Obstan	_
Maker	Date Time:	Mod No	Record Status	Exit
Checker	Date Time:		Authorization Status	

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.



2.1.1.3 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.

US NACHA Credit Accounting Preference Summary		- ×
Search Advanced Search Reset Clear All		
Case Sensitive		
Authorization Status Entry Type	Record Status Transfer Currency	Transaction Type
Records per page 15 🗸 💘 < 1 Of 1 🕨 🛤 🔤	Lock Columns 0 🗸	
Authorization Status Record Status Network Code	Transaction Type Entry Type Transfer Currency Host Code	
		_
		Exit

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.

US NACHA Network Pr	eference			- ×
New Enter Query				
Networ	k Code *	Network Description		
Hos	st Code *	Host Code Description		
		Network Type Description		
Dispatch Preferences		Same day ACH Preference		
Standard Dispatch Days	s-Credit	Network Time Zone	3	
Standard Dispatch Day	s-Debit	Cutoff Hour	r	
		Cutoff Minute	•	
		Same Day ACH Credit Limit		
		Same Day ACH Debit Limit	t	
		Transfer Currency	USD	
		Extended Cutoff Hour	r	
		Extended Cutoff Minute	•	
Maker	Date Time:	Mod No Re	ecord Status	
Checker	Date Time:	А	Authorization Status	Exit

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

Standard Dispatch Days-Credit Specify the field with 2 Business Days.

Standard Dispatch Days-Debit Specify the field with 1 Business Days.

Same day ACH Preference

Network Time Zone This field displays the Time Zone of the current host.

Cutoff Hour

Specify the Cuttoff Hour.

Cutoff Minute

Specify the Cuttoff 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.

US NACHA Network Preference S	Summary					- ×
Search Advanced Search Rese	t Clear All					
Case Sensitive						
Authorization Status	~			Record Status	~	
Host Code		Q		Network Code	Q	
Network Time Zone		Q				
Records per page 15 🗸 🔘 ┥ 1	1 Of 1 🕨 🔰	Go Lock Colum	ns 0 🗸			
Authorization Status Reco	ord Status Host Code	Network Code	Network Time Zone	Earliest Dispatch Days	Extended Cutoff Hour	Extended Cutoff N
						_
						Exit

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.

US NACHA Debit Accounting Preference				- ×
New Enter Query				
Network Code *		Network Description		
Host Code *		Host Description		
Transaction Type * Outbound ~		Entry Type	Debit 🗸	
Transfer Currency *		Network Type Description		
Payment Preferences R-Transaction Preferences				
Accounting Codes				
Debit Liquidation				
Credit Liquidation				
Dispatch Accounting				
Receipt Accounting				
Maker	Date Time:	Mod No	Record Status	Evit
Checker	Date Time:		Authorization Status	LAII

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 <u>R-transaction Preferences</u>

Payment Preferences R-Transaction Pre	ferences			
Accounting Codes				
Debit Liquidation				
Credit Liquidation				
Dispatch Accounting				
Receipt Accounting				
Maker	Date Time:	Mod No	Record Status	Exit
Checker	Date Time:		Authorization Status	

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.



2.1.3.3 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	g Preference Su	nmary								
Search Ad	Ivanced Search	Reset Clear A	I								
Case Sensitiv	ve										
A	uthorization Status	5	~		Re	ecord Status	~		Entry Type	~	
	Host Code	e		ρ	Ne	twork Code	Q		Transaction Type	~	
Records per p	age 15 🗸 🔘	< 1 Of 1 >	M	Go Lock C	olumns 0 🗸						
Autho	rization Status	Record Status	Entry Type	Host Code	Network Code	Transaction Type	Transfer Currency	Receipt Accounting	Credit Liquidation	Dispatch Accounting	Debit Liquidation
											1 11
											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 *	Network Description	
Host Code *	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	
📕 🖣 1 Of 1 🕨 🕅 Go	+ - Ⅲ 🖊 ◄ 1 Of 1 🕨 🛛 Go	+ - =
Dispatch Time	Dispatch Time	
Maker Date Time: Checker Date Time:	Mod No Record Status Authorization	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.

NACHA	Dispatch Parameter	rs Summary						- ×
Search	Advanced Search	Reset Clear	All					
Case S	ensitive							
	Authorization	Status	~		Record Status	~		
	Host	Code	Q		Network Code		Q	
Records	per page 15 🗸 🔘	< 1 Of 1	Go Lock C	olumns 0 🗸				
	Authorization Status	Record Status	Aggregate Amount Allowed	Dispatch File Type	Host Code Maxi	mum File Size(in MB)	Network Code	Network 1
								Exit

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 <u>Company ID - Account Mapping</u>

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.

Company ID - Account Mappig	Detailed			- ×
New Enter Query				
Host Code	*			
Company ID	*			
Source Code	*		Originator Account	
SEC Code	* ~		Customer Number	
NACHA Entry Type	*			
ACH Preferences Prefer Same-day ACH Credit processing Prefer Same day ACH Debit	Yes 🗸			
processing	105 *			
Maker	Date Time:	Mod No	Record Status	
Checker	Date Time:		Authorization Status	Ok Exit

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 Originator Maintenance Detailed (PMDORGDT).

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 CCD, WEB, TEL, RCK, and XCK.

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.

Prefer Same-day ACH Debit processing

'Yes' indicates that Originator would like their ACH Debit 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.

Company ID - Account Mapping Summary				- ×
Search Advanced Search Reset Clear A	JI			
Case Sensitive				
Authorization Status		Record	Status •	
Host Code	Q	Comp	any ID	Q
NACHA Entry Type		SEC	Code 🔹	
Source Code	Q			
Records per page 15 🔻 🔘 ┥ 1 Of 1 🕨	Go Lock Columns 0 🔻			
Authorization Status Record Status	Host Code Company ID NACHA E	ntry Type SEC Code Source Code	Originator Account	Customer Number
				Exit

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.

NACHA Debit Authorization Mainte	enance			×
New Enter Query				
Host Code *		Network Type Description		
Source Code *				
Network Code *				
Customer No *				
Allowed SEC Codes *	~			
Authorization Id *				
Receiver(Debtor) Details		Originator(Creditor) Details		
Receiver (Debtor) Account Number *		Originator Company Id	*	
Account Currency		Company Name		
Receiver Name		Originator Account Number		
Address1		Account Currency		
Address2		Address1		
Country		Address2		
Receiving Company ID		Country		
Company Name				
Identification Number				
Authorization Details		Originator DFI Details		
Sequence Type *	Recursive 🗸	Originating DFI		
Frequency Type	Yearly V	Originating DFI Name		
Transaction currency		Address1		
Transaction Amount		Address2		
Maximum Amount				
		Effective Date	* YYYY-MM-DD	
		Expiry Date	YYYY-MM-DD	
		Debit Authorization Status	Initiated 🗸	
		Remarks		
		Last Debit Date	YYYY-MM-DD	
Maker	Date Time:	Mod No R	ecord Status	
Checker	Date Time:	,	Authorization Status	XII

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.

earch Advanced Search Re	set Clear A	1								
se Sensitive										
Authorization State	IS	~			Record St	atus	~			
Allowed SEC Code	s 🗸				Custome	r No			Q	
Debit Authorization State	IS	~			Effective [Date	YYYY-MM-D	D		
Frequency Typ	e	~			Originator Account Nun	nber			Q	
Originator Company	ld		Q	R	eceiver (Debtor) Account Nun	nber			Q	
Authorization	ld		Q		Network C	ode			Q	
Source Coo	le		Q		Sequence	ype		~		
ords per page 15 V K Authorization Status Re	1 Of 1 cord Status	Allowed	Go I SEC Codes	Lock Columns 0 Customer No	Debit Authorization Status	Eff	ective Date	Frequenc	у Туре	Originator Ac
ords per page 15 V K Authorization Status Re	1 Of 1 cord Status	Allowed	Go I SEC Codes	Lock Columns 0 Customer No	Debit Authorization Status	Eff	ective Date	Frequenc	у Туре	Originator Ac
Authorization Status Re	1 Of 1 cord Status	Allowed	Go I SEC Codes	Lock Columns 0 Customer No	Debit Authorization Status	Eff	ective Date	Frequenc	у Туре	Originator Ac
ords per page 15 V I V	1 Of 1 🕨	Allowed	Go I SEC Codes	Lock Columns 0 N Customer No	Debit Authorization Status	Eff	ective Date	Frequenc	у Туре	Originator Ac
ords per page 15 V I V	1 Of 1 ▶ cord Status	Allowed	Go I SEC Codes	Lock Columns 0 Customer No	Debit Authorization Status	Eff	ective Date	Frequenc	у Туре	Originator Ac
ords per page 15 V K K	1 Of 1	Allowed	Go I SEC Codes	Lock Columns 0 Customer No	Debit Authorization Status	Eff	ective Date	Frequenc	у Туре	Originator Ac
ords per page 15 V K K	1 Of 1	Allowed	Go I SEC Codes	Lock Columns 0 Customer No	Debit Authorization Status	Eff	ective Date	Frequenc	у Туре	Originator Ac
ords per page 15 v k k	1 Of 1	Allowed	Go I SEC Codes	Lock Columns 0 Customer No	Debit Authorization Status	Eff	ective Date	Frequenc	у Туре	Originator Ac
ords per page 15 V R Authorization Status Re	1 Of 1	Allowed	Go I SEC Codes	Lock Columns 0 Customer No	Debit Authorization Status	Eff	ective Date	Frequenc	у Туре	Originator Ac
ords per page 15 V R Authorization Status Re	1 Of 1 kcord Status	Allowed	Go	Lock Columns 0 Customer No	Debit Authorization Status	Eff	ective Date	Frequenc	у Туре	Originator Ac

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 Inbound NACHA ACH Authorization

You can authorize manual reversal of Inbound NACHA credit/debit transaction, using this screen.

You can invoke 'Inbound NACHA ACH Authorization Detailed' screen by typing 'PNDITAUT' 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.

Inbound NACHA ACH Authorization Detailed		- ×
New Enter Query		
Transaction Reference no	Territor	
Value Date	Transfer Currency	
Debtor Account Number	Iranster Amount	
Creditor Account Number	Maker Date Stamp	
Authorize	marci bac stamp	
K < 1 Of 1 ► N Go		+ - =
Field Name Field Value		
		Exit

- You can click the 'Authorize' button on this screen to launch corresponding Inbound US NACHA Credit Transfer Input (PNDITONL) or Inbound US NACHA Debit Transaction Input (PNDIDONL) screen.
- On authorization, the system marks the original inbound NACHA credit/debit transaction status as 'Reversed'. The Reversal accounting entries are posted. The system does not generate any reversal response message for dispatch.
- The Re-Key fields for authorization is disabled for the authorization of reversal.

2.1.8 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.

ANACHA Directory				- ×
New Enter Query				
Routing Nun Office C	nber *			
Record Type c	code	¥		
Change E New Routing Nun	Date YYYYYYYYYY nber			
Customer Na Addr	ame			
State C	City			E
Zipc Zipcode Exten	sion			
Telephone Area C Telephone Prefix Nun	Code			
Telephone Suffix Nun Institution Status C	nber Code			
Data View C	iller			-
Maker	Date Time:	Mod No	Record Status	Exit
Checker	Date Time:		Authorization Status	LAIL

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.

2.1.8.1 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.

NACHA Directory Summary	- *
Search Advanced Search Reset Clear All	
Case Sensitive	
Authorization Status	Record Status
Routing Number	<mark>۵</mark>
Records per page 15 💌 🖂 1 Of 1 🕨 🖂 Go	Lock Columns 0
Authorization Status Record Status Office Code	Record Type code Change Date Customer Name Routing Number Servicing FRB Num
	A
	=
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Exit



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.

2.1.9 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.

NACHA Directory Upload	÷	_ * ;
New		
File Name * File Path * Upload Type	Doad	
		End

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 Transaction 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.

Dutbound US NACHA Credit Transfer Input		
New Enter Query		
Transaction Branch *	Transaction Reference Number *	User Reference Number *
Branch Name	Network Code *	Source Reference Number
Host Code *	Network Description	Zero Dollar Entry
Host Description	NACHA Entry Type ACH Credit 🗸	Pre Notification Entry
Source Code *	Standard Entry Class Code *	Settlement Preference
Source Description		
Aain Pricing		
Company Details	Debtor Details	Payment Details
Company Identification *	Debtor Account Number	Booking Date YYYY-MM-DD
Company Name	Debtor Name	Instruction Date * YYYY-MM-DD
Company Entry Description *	Account Currency	Transfer Currency *
Company Discretionary Data	Account Branch	Transfer Amount *
Company Descriptive Date	Customer Number	Exchange Rate
	Customer Service Model	FX Reference Number
	Debit Amount	Remarks
	Sequence Code 🗸 🗸 🗸	
Entry Details	· · · · · · · · · · · · · · · · · · ·	Transaction Dates
Receiving DFI *	Receiving Company Name	Revised Instruction Date YYYY4MM-DD
Receiving DFI Name	Transaction Code *	Activation Date YYYY-MM-DD
Receiver Account Number *	Transaction Code Description	Debit Value Date YYYY-MM-DD
Individual Identification Number	Discretionary Data	Credit Value Date YYYY-MM-DD
Individual Name	Addenda Details	Dispatch Date YYYY-MM-DD
Identification Number		
UDF MIS Accounting Details		
Maker ID	Checker ID	Authorization Status
Maker Date Stamp	Checker Date Stamp	

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 a 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.

Zero Dollar Entry

Select the Zero Dollar Entry check box. If outbound transaction is a Zero Dollar transaction.

Pre Notification Entry

Select the Pre Notification Entry check box. If outbound transaction is a Pre Notification transaction.

Settlement Preference

Select the required Settlement Preference. The values are:

- Same Day
- Standard
- Blank

2.2.1.1 Main Tab

You can input the value for manually booked transaction.

Main Pricing

main Pricing		
Company Details	Debtor Details	Payment Details
Company Identification *	Debtor Account Number	Booking Date yyyy-MM-dd
Company Name	Debtor Name	Instruction Date * yyyy-MM-dd
Company Entry Description *	Account Currency	Transfer Currency *
Company Discretionary Data	Account Branch	Transfer Amount *
Company Descriptive Date	Customer Number	Exchange Rate
	Customer Service Model	FX Reference Number
	Debit Amount	Remarks
Entry Details		Transaction Dates
Receiving DFI *	Receiving Company Name	Revised Instruction Date yyyy-MM-dd
Receiving DFI Name	Transaction Code *	Activation Date yyyy-MM-dd
UDF MIS Accounting Details	T + AIR ++	DINKE B 1
Maker ID	Checker ID	Authorization Status
Maker Date Stamp	Checker Date Stamp	

Specify the following fields:



I

Company Details

Company ID

Select a Company Id of the Originator from a LOV that fetches Company Id records from the existing Originator Maintenance Detailed (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

Specify the Company Entry Description. This is a mandatory field.

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

System populates Debtor Account Number, once you select Company ID and update the required fields and click Enrich button. This field is populated based on Company ID and SEC code maintained in PMDCIACC.

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 Directory (PMDNCHDR) 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 or owned by the Receiver individual as applicable for selected SEC code.

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 PPD, WEB and so on.

Identification Name

Specify the Identification Name.

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.

- Zero dollar transaction codes are 24, 34, 44, and 54, applicable for CCD and CTX SEC code.
- Pre-notification transaction codes are 23, 33, 43, and 53, applicable for all CT transaction SEC code.
- Normal transaction codes are 22, 32, 42, and 52 for all credit transaction 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 an optional field, and the user can input data. The code AK is used for transaction CCD and CTX SEC code, which means 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 Debit Liquidation 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.

2.2.1.2 Addenda Details

Click the Addenda Details button in the PNDOTONL Screen.

Addenda Details		×
Transaction Reference Number	Host Code	
Activation Date	Network Code	
Addenda Details		
Conversion Standard		
Payment Related Info		
		Ok Exit

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 9,999 Addenda record is allowed for single CT transaction. Addenda record is optional for these SEC codes.

2.2.1.3 Pricing Tab

Click on Pricing tab to view the Pricing details.

Main Pricing			
K < 1 0F 1 ► M G0			8
Pricing Component Pricing Currency	Pricing Amount Waiver Debit Currency	Debit Amount	
UDE I MIS I Accounting Datain			
OUF MIS Accounting Details			
Maker ID	Checker ID	Authorization Status	Cancel
Maker Date Stamp	Checker Date Stamp		

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.

2.2.1.4 UDF Tab

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

Fields			×
Fields			
🖌 < 1 Of 1 🕨 🖂	Go		18
Field Label *		Field Value	
			 Exit

You can specify user defined fields for each transaction.



2.2.1.5 MIS Tab

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

Transaction Reference Number *	MIS Group Default
Transaction MIS	Composite MIS

specify the MIS details in this sub-screen.

2.2.1.6 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.

Outbound US NACHA Credit Tran	nsfer Input Summary														
Search Advanced Search Rese	et ClearAll														
Case Sensitive															
	Source Code			Q		Network Code		P		Transaction	Reference Number			Q	
	Authorization Status		×			Standard Entry Class Code		Q			Transaction Code			Q	
	Transfer Amount			Q		Company Identification		Q			Company Name			Q	
	Customer Number			Q		Customer Service Mode		Q			Booking Date	YYYYAM	00 🖪		
	Instruction Date	YYYY-MILOO				Receiving DF		Q		Source	Reference Number			Q	
D	Debtor Account Number			Q		Receiver Account Number		Q		User	Reference Number			Q	
	Transaction Branch			Q		FX Reference Number		Q			Sequence Code		~		
	Pre Notification Entry	×				Zero Dollar Entry	~			Set	lement Preference		~		
December 18 has been		1251	and Calman												
Necoros per page 15 🗸	1010 1	90	Look Columns	• •											
															Exit

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

- Source code
- Network Code
- Transaction Reference Number
- Authorization Status
- Standard Entry Class Code
- Transaction Code
- Transfer Amount



- Company Identification
- Company Name
- Customer Number
- Customer Service Model
- Booking Date
- Instruction Date
- Receiving DFI
- Source Reference Number
- Debtor Account Number
- Receiver Account Number
- User Reference Number
- Transaction Branch
- FX Reference Number
- Sequence Code
- Pre Notification Entry
- Zero Dollar Entry
- Settlement Preference

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.

View Outbound US NACHA Credit T	ransfer				
Enter Query					
Transaction Branch		Transaction Reference Number		User Reference Number	
Branch Name		Network Code		Source Reference Number	
Host Code		Network Description			Pre Notification Entry
Host Description		NACHA Entry Type	ACH Credit 🗸		Zero Dollar Entry
Source Code		Standard Entry Class Code	~	Settlement Preference	~
Source Description			•		
and a second					
Contracting Exceptions		Debter Debile		Provent Dataila	
Company Details		Debtor Details		Payment Details	
Company Identification		Debtor Account Number		Booking Date	VVVV AB PD
Company Name		Assault Current		Transfer Oursease	
Company Entry Description		Account Currency		Transfer Currency	
Company Discretionary Data		Account Branch		Transfer Amount	
Company Descriptive Date		Customer Number		Exchange Rate	
		Customer Service would		Remarks	
		Securates Cede	~		
		Sequence Code	v		
Entry Details				Transaction Dates	
Receiving DFI Identification		Receiving Company Name		Revised Instruction Date	YYYY-AM-DD
Receiving DFI Name		Transaction Code		Activation Date	YYYY-MM-DD
Receiver Account Number		Transaction Code Description		Debit Value Date	YYYY-MIN-DD
Individual Identification Number		Discretionary Data		Credit Value Date	YYYY-MM-DD
Individual Name			Addenda Details		
Identification Number					
Transaction Status		External System Status		Dispatch Details	
Transaction Status	~	Sanctions Check Status	~	Dispatch Status	~
Debit Liquidation Status	~	Sanctions Check Reference		Dispatch Reference Number	
Credit Liquidation Status	~	External Credit Approval Status	~	Dispatch Date	YYYY-MM-DD
Queue Code	##	External Credit Approval Reference		Trace Number	
		External Exchance Rate Status	~	Batch Number	
		External Exchange Rate Reference			
			View Queue		
View Queue Action UDF MIS	Accounting Entries All	Messages ACK/ATX Message NOC Message			
Maker ID		Checker ID		Authorization Status	Evit
Maker Date Stamp		Checker Date Stamp			EAR

- 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 2.2.5.1, "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.

View Queue Action Log						- x
Enter Query						
Transaction Reference Numbe	r			Network Code		
K ◀ 1 0f 1 ► N Go						+ - =
Transaction Reference Number	Action	Remarks	Queue Code	Authorization Status	Maker Id	Maker Date Stamp
	View Request Message			View Respo	nse 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

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.

Fields	
1 of 1 > N Go	
Field Label * Field Value	L.
Ok Exit	

2.2.2.3 <u>MIS Tab</u>

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

Transaction Reference Number *	MIS Group Default
Transaction MIS	Composite MIS
	Ok Exit



×

2.2.2.4 Accounting Entries Tab

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

Accounting Entrie	15								- ×
Enter Query									
Transact	ion Reference Number								
Accounting Entrie	s								
► < 1 Of 1 ►	M Go								+ - ==
Event Code	Transaction Date	Value Date	Account	Account Branch	TRN Code	Dr/Cr	Amount Tag	Account Currency	Transaction Amount
Accounting Details									^
									Exit

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 NOC Message Tab

You can invoke this screen to view the NOC Message received under NOC tab by clicking 'NOC Message' tab in the screen.

Pndnocvw_Desc						- ×
Transaction Reference Num	ber					
NOC Refused NOC Message						
K ◀ 1 Of 1 ► N Go					+ -	- 58
File Reference Number	Received Date	COR Code	Trace Number			
	Moreago					
	message					
						Exit
						LEAR

You can invoke this screen to view the generated 'Refused NOC' received under Refused NOC tab by clicking 'Refused NOC Message' tab in the screen.

Pndnocvw_Desc					- ×
Transaction Reference Number					
NOC Refused NOC Message					
NOC Reference Number Dispatch Reference Number	Dispatch Date and Time	Message Status	Dispatch Status		
Message					
					Exit

Note

You can view the dispatched Refusal NOC message (as per NACHA format with header/control records '1', '8', '9' and '5', '6', '7') from NACHA Dispatch Log summary (PMSDNLOG) only.

2.2.2.6 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.



e Sensitive												
Source Code			0		Notwork Cod	6		0	Transaction	Dafaranca Numbar		0
Transaction Status		v	-		Queue Cod	10			Standa	rd Entry Class Code	×	~
Transaction Code	Q				Transfer Amour	nt		٥	otanda	Transaction Branch		Q
Company Identification			0		Company Nam	10. 10		0	Deh	tor Account Number		0
Customer Number			D		Customer Service Mode	el		Q	Receivi	ing DFI Identification		Q
Receiver Account Number			Q		Booking Dat	te YYYY-MM-DD				Instruction Date	YYYY-MM-DD	
Revised Instruction Date	YYYY-MM-DD				Activation Dat	e YYYY-MM-DD			Source	e Reference Number		Q
User Reference Number			Q		Dispatch Statu	IS	~		Dispatch	n Reference Number		Q
File Reference Number			Q		Sequence Cod	le 🗸			Se	ettlement Preference	~	
rds per page 15 🗸 🙀 ┥ 1 Of 1	► N		Lock Columns 0 🗸									
rds per page 15 V H 4 1 Of 1 Source Code Network Code Tr	ansaction Referer	Go Ice Numb	Lock Columns 0 🗸 er Transaction Status	Queue Code	Standard Entry Class Code 1	Transaction Code	Transfe	er Amount	Company Identification	Company Name	Debtor Account Number	Custome
rds per page 15 🗸 候 ┥ 1 Of 1 Source Code Network Code Tr	A A	Go Ice Numb	Lock Columns 0 🗸 er Transaction Status	Queue Code	Standard Entry Class Code 1	Transaction Code	Transfe	er Amount	Company Identification	Company Name	Debtor Account Number	Custome
rds per page 15 🗸 🤘 ┥ 1 Of 1 Source Code Network Code Tr	Ansaction Referen	Go Ice Numb	Lock Columns 0 🗸 er Transaction Status	Queue Code	Standard Entry Class Code 1	Transaction Code	Transfe	er Amount	Company Identification	Company Name	Debtor Account Number	Custome
rds per page 15 🗸 💘 🔌 1 Of 1 Source Code Network Code Tr	ansaction Referen	Go Ice Numb	Lock Columns 0 V er Transaction Status	Queue Code	Standard Entry Class Code 7	Transaction Code	Transfe	er Amount	Company Identification	Company Name	Debtor Account Number	Custome
rds per page 15 🗸 K 🛛 1 Of 1 Source Code Network Code Tr	▶ N ansaction Referen	Go Ice Numb	Lock Columns 0 V	Queue Code	Standard Entry Class Code 1	Transaction Code	Transfe	er Amount	Company Identification	Company Name	Debtor Account Number	Custome
rds per page 15 v K 🛛 1 Of 1 Source Code Network Code Tr	► ► ►	Go Ince Numb	Lock Columns 0 V	Queue Code	Standard Entry Class Code 1	Transaction Code	Transfe	er Amount	Company Identification	Company Name	Debtor Account Number	Custome
rds per page 15 🗸 K <table-cell-columns> 1 Of 1 Source Code Network Code Tr</table-cell-columns>	ansaction Referen	Go ace Numb	Lock Columns 0 V	Queue Code	Standard Entry Class Code 1	Transaction Code	Transfe	er Amount	Company Identification	Company Name	Debtor Account Number	Custome

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 Credit Outbound Transaction Processing

Outbound transaction follows the below listed processing steps:

- Non STP Validation
- Settlement Preference Derivation
- Date Derivation
- Process Exception Validations
- Repair Validation
 - Sec Code Specific Validations
- Business Override Validations
 - Duplicate Checks
- Authorization Limits Check
- Processing Cut-off Checks
- Sanctions Check
- Future Date Check
- FX Validation
- Pricing
- External Credit Approval Check
- Network Cut-off Check
- Accounting
- Dispatch Processing
- Zero Dollar Entry Processing
- Pre notification Entry Processing

2.2.3.1 Non STP Validation

- The Non STP rules are applied on Outbound NACHA transactions booked via SOAP/ REST service request (XML/JSON).
- If any transaction meets the criteria maintained in the Non STP Rule Detailed (PMDNSRLE) screen, transactions move to Non STP Queue (PQSNSTPQ).

2.2.3.2 Settlement Preference Derivation

 For NACHA Outbound Credit transactions, the field 'Prefer Same-Day ACH Credit Processing' referred for the NACHA Entry Type value as 'ACH Credit' or 'All'. If the option selected is 'Yes', then the 'Settlement Preference' value is set as 'Same Day'. Otherwise, the value is set as 'Standard'.

Note

If the user does not select Settlement Preference during manual booking or does not send in NACHA transaction via SOAP/REST service request, then the derivation is done.

2.2.3.3 Date Derivation

Instruction Date

- If the Original Instruction date is given and backdated, then the system default the Host date as the Instruction Date.
- The system checks the Instruction date for network holidays, currency holidays (Debit / Credit). If the Instruction date falls on Network / Currency holidays, the instruction date moves forward to the Network Working date / Currency Working date.
- If the Original Instruction date is not given and the Activation Date is given, then the Instruction Date is derived after the Activation Date is checked for holidays. Instruction Date is derived as Activation Date plus Dispatch Days minus working days.

Activation Date

- Instruction Date minus Dispatch Days (For Same Day, Dispatch days is zero and For Standard settlement, the Settlement Days is picked up from the Network Preference) if:
 - The system checks the Activation Date for the branch holiday/network holiday. If the date falls on a holiday, then the activation date is moved backward to the Previous Branch Working Date / Network Working Date.
 - If the Activation Date falls below the booking date, then the Activation Date is set to the Booking date. The branch holiday/network holiday is applied, and the activation date moves forward. The Instruction Date also moves forward by applying the Dispatch Days minus Network Working days.

Dispatch Date

The Dispatch Date is derived as Instruction Date minus Dispatch Days (Network working days).

2.2.3.4 Process Exception Check

 If the Original Debit account is closed, then the transaction is moved to into Process Exception Queue (PQSPRQUE).

2.2.3.5 Business Override Validations

Duplicate Checks

- The duplicate check for a transaction is done during transaction processing if the Duplicate check is applicable for the Source. Payment fields marked for duplicate check in Source Maintenance are matched with all the payments booked within the duplicate period. The booking date of the payments is considered for evaluating the duplicate period.
- The duplicate period is considered based on the number of days maintained for the source. If the maintenance is not available, then the duplicate check is not done.
- If there are any matching payments with the fields identical with the payment being processed, then the payment is moved to Business Override Queue (PQSOVRQU) for further investigation.

2.2.3.6 Authorization Limits Check

- Two levels of authorization limits can be maintained for a Network and source in PMDSORNW (optional). If the transfer amount is greater than authorization limit 1, the transaction is moved to Authorization Limit 1 Queue.
- On approval from Authorization Limit 1 Queue, if the transfer amount is greater than authorization limit 2, the transaction is moved to Authorization Limit 2 Queue. If the transfer amount is less than authorization limit 2, the transaction proceeds to next processing step.



• If the Authorization Limit check is done on booking date, it is not repeated on Value date processing.

2.2.3.7 Processing Cut-off Checks

- Transaction cut off time validation is based on the Transaction Cut-off Time Maintenance (PMDCTOFF) screen. Transaction cut-off time check is done only for transaction with payment activation date is current date.
- Transaction Cut-off time for the payment network and Transaction Type 'Outbound' is fetched from the maintenance for the following combination:
 - Source Specific/ALL
 - Service Model Specific/ALL
 - Customer Specific/ALL

S.No.	Network	Transaction Type	Source	CSM	Customer
1	Network ID	Outbound	Specific	Specific	Specific
2	Network ID	Outbound	ALL	Specific	Specific
3	Network ID	Outbound	Specific	Specific	ALL
4	Network ID	Outbound	ALL	Specific	ALL
5	Network ID	Outbound	Specific	ALL	ALL
6	Network ID	Outbound	ALL	ALL	ALL

• Cut off time is derived as follows:

 If payment processing time is lesser than or equal to the Cut-off date time derived, then the payment is considered as 'Pre Cut-off' payment and proceeds with further processing.

• If payment save date time or payment receipt date time exceeds the Cut-off date time derived then the payment is considered as 'Post Cut-off' payment and transaction is moved to Processing Cut-off Queue (PQSPRCUQ).

2.2.3.8 Sanctions Check

 The transaction is sent for sanction screening to an external system if sanctions screening is enabled for the source and network in Source Network Preferences (PMDSORNW).

2.2.3.9 Future Date Checks

- The transactions are segregated as Current dated/Future dated based on the Activation Date. Future valued transactions is moved to Future Value Queue.
- The transaction processing of current valued transactions continues with the next step of processing.

2.2.3.10 FX Validation

• FX validation is applicable in cases where the transfer currency and debit account currency are different.



2.2.3.11 Pricing

• The pricing is computed based on the pricing code maintains in Network Currency Preference (PMDNCPRF) for the network code, transaction type as 'Outbound' and transfer currency as 'USD' combination.

2.2.3.12 External Credit Approval Check

- The payment amount and charge/tax amount are sent to the external DDA system for credit approval.
- External Credit Approval is done for all the external accounts for which the 'External Credit Approval Required' flag is enabled. ECA system for the credit check is derived based on the External Account maintenance.
- If the ECA response status for a payment transaction is 'Approved', then further processing continues. If ECA validation fails i.e. the status is 'Override', 'Rejected', or 'Timed out', then the transaction is logged in the ECA Exception queue.

Note

The external ECA system does customer and account status checks along with account balance checks.

2.2.3.13 Network Cut-Off Check

• For Same-day and Standard Outbound credit transactions, the network cut-off time is referred from the US NACAH Network Preference (PNDNWPRF) maintenance. The transactions which failed the cut-off time check moves to Network Cut-off Queue.

2.2.3.14 Accounting

 Debit liquidation accounting entries have both payment entries and charge/tax entries. Accounting details are handed off to the accounting system with debit/credit liquidation accounting code linked at US NACHA Credit Accounting Preference (PNDCRPRF) for the network code, transaction type as 'Outbound' and transfer currency as 'USD' combination.

2.2.3.15 Dispatch Processing

 Dispatch accounting entries are posted based on the Dispatch Accounting code maintained in the US NACHA Credit Accounting Preference (PNCDRPRF) for the Transaction Type 'Outbound'.

2.2.3.16 Zero Dollar Entry Processing

- The system validates the following conditions for Zero Dollar Entry:
 - The 'Zero Dollar Entry' check box is selected.
 - The SEC code is either CCD or CTX.
 - The transaction code is equal to 24, 34, 44, or 54.
 - The Transfer Amount is zero.
 - If validation fails, the system upfront rejects the transaction and displays the error message.
- If the 'Zero Dollar Entry' check box is selected, the system skips the below processing:
 - Duplicate Check
 - Auth Limit Check
 - FX Limit Check/Rate Pick up



- Pricing Check
- ECA Check
- Advice Generation

Note

- Sanctions check is applicable even for zero dollar transaction.
- Standard/Same day processing steps are applicable for zero dollar transaction.

2.2.3.17 Pre Notification Entry Processing

- The system validates the following conditions for Pre Notification Entry:
 - The 'Pre notification Entry' check box is selected.
 - The SEC code selected from list of codes CCD, CTX, CIE, PPD, and WEB.
 - The Transaction code is equal to 23, 33, 43, or 53.
 - The Transfer Amount is zero.
 - If validation fails, the system upfront rejects the transaction and displays the error message.
- If the 'Pre notification Entry' check box is selected, the system skips the below processing:
 - Duplicate Check
 - Auth Limit Check
 - FX Limit Check/Rate Pick up
 - Pricing Check
 - ECA Check
 - Addenda Records
 - Advice Generation

Note

- Sanctions check is applicable even for pre notification transaction.
- Standard/Same day processing steps are applicable for pre notification transaction.

2.2.4 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 'Inbound US NACHA Credit Transfer 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.

Inbound US NACHA Credit Transfer Input				
New Enter Query				
Transaction Branch *	Transaction Reference Number*		File Reference Number *	
Branch Name	Network Code *		Batch Number	
Host Code *	Network Description		Trace Number	
Host Description	NACHA Entry Type	ACH Credit 🗸		Zero Dollar Entry
Source Code *	Standard Entry Class Code	~		Pre Notification Entry
Source Description				
Main Pricing				
Creditor Details	Originator Company Details		Payment Details	
Creditor Account Number *	Company Identification		Booking Date	YYYYAMADD
Creditor Name	Company Name		Instruction Date*	YYYYAMADD
Account Currency	Company Entry Description	•	Transfer Currency*	
Account Branch	Company Discretionary Data		Transfer Amount*	
Customer Number	Company Descriptive Date		Exchange Rate	
Customer Service Model	Originating DFI	•	Remarks	
Credit Amount	Originating DFI Name			Enrich
Entry Details	2		Transaction Dates	
Individual Identification Number	Transaction Code	•	Activation Date	YYYYANADD
Individual Name	Transaction Code Description		Debit Value Date	YYYY-MM-DD
Identification Number	Discretionary Data	Addenda Detaile	Credit Value Date	YYYYAMADD
		Autoria Detais	Reversal Details	
			Reversal Reason Code	
			Reversal Reason	
			Remarks	
			Reversal Reference Number	
			Reversal Date	YYYYAMADD
UDF MIS Accounting Details				
Maker Id Maker Date Stamp	Checker ID		Authorization Status	Exi

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 a 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.

Pre Notification Entry

Select the Pre Notification Entry check box. If inbound transaction is a Pre Notification transaction.

Zero Dollar Entry

Select the Zero Dollar Entry check box. If inbound transaction is a Zero Dollar transaction.

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.

Reversal Details

Reversal Reason Code

Select from the list of values for Reversal Reason Code. The list of NACHA reversal reason codes is maintained in PMDRJMNT screen.

Reversal Reason

System display the description of the selected reason code.

Remarks

Specify the operational reason for reversal of the transaction. This is mandatory field.

Reversal Reference Number

System default this field on click of 'Reversal' button.

Reversal Date

System displays the current system date of reversal.



2.2.4.1 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.

Addenda Detalis)
Transaction Reference Number	Host Code
Activation Date	Network Code
Addenda Details	
Conversion Standard *	
Payment Related Info	
	Ok Exit

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.

2.2.4.2 Pricing Tab

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

Main Pricing					
🙀 ┥ 1 Of 1 🕨 🕅 🛛 😡					8
Pricing Component Pricing C	Currency Pricing Amount	Waiver Debit Currency	Debit Amount		
UDF MIS Accounting Details					
Maker ID Maker Date Stamp		Checker ID Checker Date Stamp		Authorization Status	Cancel

2.2.4.3 UDF Tab

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

Fields			×
Fields			
📕 ┥ 1 Of 1	► M Go		==
	Field Label *	Field Value	
			Ok Evit
			CAR LEAR



2.2.4.4 MIS Tab

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

into betallo	<u>^</u>
Transaction Reference Number *	MtS Group Default
Transaction MIS	Composite MIS
	Ok Exit

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.

2.2.4.5 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.

Inbound US NACHA	Credit Transfer In	put Summary												- ×
Search Advanced	Search Reset	Clear All												
Case Sensitive														
	Source Co	de		Q		Network Code		P		Transaction Reference Nu	mber		Q	
	Authorization Stat	ນຣ	~		Standar	rd Entry Class Code		Q		Transaction	Code		Q	
	Transfer Amo	unt		Q	Credi	tor Account Number		Q		Customer Nu	mber		Q	
0	ustomer Service Mo	iel		Q		Booking Date	YYYY-MM-DD			Instruction	Date YYYY-MM	DD 🔠		
	Originating E	DFI		Q	Co	mpany Identification		Q		Company N	lame		Q	
	File Reference Numb	xer		Q		Batch Number		Q		Trace Nu	mber		Q	
	Transaction Bran	ch		Q		Zero Dollar Entry	~			Pre Notification	Entry 🗸			
Records per page 15	¥ H ≤ 1	or 1 🕨 🕅	Go U	ock Columns 0 🗸										
Source Code	Network Code	Transaction Refe	erence Number	Authorization Status	Standard Entry Class Code	Transaction Code	Transfer Amount	Creditor Account Number	Customer Number	Customer Service Model	Booking Date	Instruction Date	Originating DFI	Company Iden
														Evel

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

- Source Code
- Network Code
- Transaction Reference Number
- Authorization Status
- Standard Entry Class Code
- Transaction Code
- Transfer Amount
- Creditor Account Number



- Customer Number
- Customer Service Model
- Booking Date
- Instruction Date
- Originating DFI
- Company Identification
- Company Name
- File Reference Number
- Batch Number
- Trace Number
- Transaction Branch
- Zero Dollar Entry
- Pre Notification Entry

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.

2.2.5 NACHA Inbound Credit Transfer View

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

Inbound US NACHA Credit Transfer	i.				
r Query					
Transaction Branch		Transaction Reference Number		File Reference Number	
Branch Name		Network Code		Batch Number	
Host Code		Network Description		Trace Number	
Host Description		NACHA Entry Type	ACH Credit 🗸		Pre Notification Entry
Source Code		Standard Entry Class Code	~		Zero Dollar Entry
Source Description					
Pricing Exceptions					
ditor Details		Originator Company Details		Payment Details	
Creditor Account Number		Company Identification		Booking Date	YYYYAMADD
Creditor Name		Company Name		Instruction Date	YYYY-MI+OD
Account Currency		Company Entry Description		Transfer Currency	
Account Branch		Company Discretionary Data		Transfer Amount	
Customer Number		Company Descriptive Date		Exchange Rate	
Customer Service Model		Originating DFI		FX Reference Number	
Credit Amount		Originating DFI Name		Remarks	
y Details				Transaction Dates	
Individual Identification Number		Transaction Code		Activation Date	YYYY-MII-OD
Individual Name		Transaction Code Description		Debit Value Date	YYYY-MM-DD
Identification Number		Discretionary Data		Credit Value Date	YYYY-MM-DD
Receiving Company Name			Addenda Details		
saction Status		External System Status		External Exchange Rate Status	~
Transaction Status	~	Sanctions Check Status	\checkmark	External Exchange Rate Reference	
Debit Liquidation Status	\sim	Sanctions Check Reference		Reveral Datails	
Credit Liquidation Status	\checkmark	External Account Check Status	~	Percental Passas Code	
Queue Code		V External Account Check Reference		Reversal Reason Code	
			View Queue	Reversal Reason	
				Reversal Reference Number	
				Reversal Date	YYYY-AMI-DD
ueue Action UDF MIS Vie	ew Repair Log Acc	counting Entries All Messages ACK/ATX Message Ni	OC Message		
Maker ID		Checker ID	X76	Authorization Status	
Maker Date Stamp		Cherker Date Stamp			



- 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.
- Click the 'Reverse' button from this screen to launch the Inbound US NACHA Credit Transfer Input (PNDITONL) screen in 'Read-only' mode except for the 'Reversal Details' section with all the details of inbound NACHA credit transactions.
- When you click the 'Reverse' button, the system performs the following validations:
 - The system shows an error message if the Transaction status is not 'Processed'.
 - The system shows an error message if the user selects more than one record.
 - The system checks for user/role queue access is provided in (PMDROLQA/ PMDUSRQA).
 - On the success of the above validations, the user can input the reversal reason code, remarks for the reversal in the Inbound US NACHA Credit Transfer Input (PNDITONL) screen.
 - On authorization, the system marks the original Inbound credit Transaction Status as Reversed.

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 'PNDITONL' 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.



2.2.5.1 Exceptions Tab

Click on Exceptions Tab to invoke this sub screen.

Main Pricing Exceptions				
Return Transaction Details				
Return Reference				
Return Status	~			
	View Details			
Reversal Transaction Details				
Reversal Reference				
Reversal Status	~			
	View Details			
View Queue Action UDF	MIS View Repair Log Accounting Entries			
Maker ID		Checker ID	Authorization Status	Evit
Maker Date Stamp	Check	ker Date Stamp		LXII

Return Transaction Details

Return Reference

This field displays the Return Reference.

Return Status

You can view the current Status of the Return Transaction.

Reversal Transaction Details

This field displays the Reversal Transaction Details.

Reversal Reference

This field displays the Reversal Reference.

Reversal Status

This field displays the Reversal Status.

View Details

This button launches the PNDORTNV screen, listing the return transaction.



2.2.5.2 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.

View Queue Action Log						- ×
Enter Query						
Transaction Reference Number	r			Network Code		
K ≪ 1 Of 1 ► N G0						+ - =
Transaction Reference Number	Action	Remarks	Queue Code	Authorization Status	Maker Id	Maker Date Stamp
	View Request Message			View Respo	nse 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

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

2.2.5.3 UDF Tab

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

Fields		×
Fields		
I		12 A
Field Label *	Field Value	
		Ok Exit

2.2.5.4 MIS Tab

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

	^
Transaction Reference Number *	MIS Group Default
Transaction MIS	Composite MIS
	Ok Exit

2.2.5.5 Accounting Entries Tab

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



ounting Entrie	s								
er Query									
Transact	ion Reference Number								
unting Entris									
1 Of 1	B Go								+ - 1
Event Code	Transaction Date	Value Date	Account	Account Branch	TRN Code	Dr/Cr	Amount Tag	Account Currency	Transaction Amou
unting Details									
unung Detalls									
									E

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



2.2.5.6 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.

View Repair Log					- ×
Enter Query					
Transaction Reference Numbe	f				
🕅 🚽 1 Of 1 🕨 🕅	Go			+	- 8
Queue Reference No	Field Name	Old Value	Repaired Data	Error	
					~
•		III.			F.
					Exit

Following details are displayed:

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

2.2.5.7 NACHA Inbound View Summary

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

view Inbound US NACHA Credit Tra	nsfer Summary									- >
Search Advanced Search Reset	Clear All									
Case Sensitive										
Source Code	Q		Network Code	Q		Transaction Refer	rence Number		Q	
Transaction Status	~		Queue Code		~	Standard Entr	ry Class Code	~		
Transaction Code	Q		Transfer Amount	Q		Trans	action Branch		Q	
Creditor Account Number	Q		Customer Number	Q		Customer S	Service Model		Q	
Originating DFI	Q		Company Identification	Q		Co	ompany Name		Q	
Booking Date	YYYY-MM-DD		Instruction Date	YYYY-MM-DD		A	Activation Date	YYYY-MM-DD	5 33	
File Reference Number	Q		Batch Number	Q		1	Trace Number		Q	
FX Reference Number	Q									-
Records per page 15 🗸 🔘 ┥ 1	Of 1 🕨 🖌 😡	Lock Columns 0 🗸								
Source Code Network Code	Transaction Reference Numb	ar Transaction Status	Queue Code Standard Entry C	lass Code Transaction Code	Transfer Ar	mount Transaction Branch	Creditor Account	t Number	Customer Number	Customer Service Mo
Generate NOC Reverse										
										Exit

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



- Source Code
- Network Code
- Transaction Reference Number
- Transaction Status
- Queue Code
- Standard Entry Class Code
- Transaction Code
- Transfer Amount
- Transaction Branch
- Creditor Account Number
- Customer Number
- Customer Service Model
- Originating DFI
- Company Identification
- Company Name
- Booking Date
- Instruction Date
- Activation Date
- File Reference Number
- Batch Number
- Trace Number
- FX 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.

2.2.6 Credit Inbound Transaction Processing

Inbound transaction follows the below listed processing steps:

- Non STP Validation
- SEC Code Specific Validations
- Repair Validations
 - Beneficiary Name Match Checks
- Business Override Validations
- Duplicate Checks
- Authorization Limits Check
- Sanctions Check
- Future Date Checks
- FX Validation
- Pricing
- External Account Check
- Accounting
- Zero Dollar Entry Processing



• Pre Notification Entry Processing

2.2.6.1 Non STP Processing

- The Non STP rules are applied on Inbound NACHA transactions booked via incoming NACHA file upload.
- If any transaction meets the criteria maintained in the Non STP Rule Detailed (PMDNSRLE) screen, transactions move to Non STP Queue (PQSNSTPQ).

2.2.6.2 SEC Code specific validations

• The system checks if the Individual Name or Receiving Company Name is present in the incoming message in Record Type '6' for the below SEC Codes:

SEC Codes	Individual Name or Receiving Company Name
TEL, WEB	Mandatory (M). This field must be present in the incoming file.
CCD, CIE, CTX, PPD, RCK	Required (R) This field may not be present in the incoming file.
ARC, BOC, POP	Optional (O) This field may not be present in the incoming file.

2.2.6.3 Repair Validations

Beneficiary Name Match Check

- If the 'Beneficiary Name Match Required' check box is selected in the screen 'Payment Network Preferences' (PMDNWPRF) for the Network code (NACHA), the system performs Beneficiary Name Matching validations. If it is not selected, the system skips the Beneficiary Name Match validations.
- The system checks whether the Individual Name or Receiving Company Name is present in the incoming message as follows:
 - If Individual Name or Receiving Company Name is present, the system checks against Company Name (PMDORGDT) or Account Name (STDCRACC), or Customer Account Name Match (PMDCUSNM).
 - If Individual Name or Receiving Company Name matches, the system proceeds with processing. If it does not match, the system moves it to the repair queue. In the repair queue, the user can edit the 'Creditor Name' and authorize it.



Note

The SEC Codes XCK, ATX, ACK are not included in Beneficiary Name Match Check.

2.2.6.4 Business Override Validations

Duplicate Checks

- The duplicate check for a transaction is done during transaction processing if the Duplicate check is applicable for the Source. Payment fields marked for duplicate check in Source Maintenance Detailed (PMDSORCE) are matched with all the payments booked within the duplicate period. The booking date of the payments is considered for evaluating the duplicate period.
- The duplicate period is considered based on the number of days maintained for the source. If the maintenance is not available, then the duplicate check is not done.
- If there are any matching payments with the fields identical with the payment being processed, then the payment is moved to Business Override Queue (PQSOVRQU) for further investigation.

2.2.6.5 Authorization Limit Checks

- Two levels of authorization limits can be maintained for a Network and source in PMDSORNW (optional). If the transfer amount is greater than authorization limit 1, the transaction is moved to Authorization Limit 1 Queue.
- On approval from Authorization Limit 1 Queue, if the transfer amount is greater than authorization limit 2, the transaction is moved to Authorization Limit 2 Queue. If the transfer amount is less than authorization limit 2, the transaction proceeds to next processing step.
- If the Authorization Limit check is done on booking date, it is not repeated on Value date processing.

2.2.6.6 Sanction Check

 The transaction is sent for sanction screening to an external system if sanctions screening is enabled for the source and network in Source Network Preferences PMDSORNW.

2.2.6.7 Future Date Checks

- The transactions are segregated as Current dated/Future dated based on the Activation Date. Future valued transactions is moved to Future Value Queue.
- The transaction processing of current valued transactions continues with the next step of processing.

2.2.6.8 FX Validation

• FX processing is applicable in cases where the transfer currency and credit account currency are different.

2.2.6.9 Pricing

• The pricing is computed based on the pricing code maintains in Network Currency Preference (PMDNCPRF) for the network code, transaction type as 'Inbound' and transfer currency as 'USD' combination.



2.2.6.10 External Account Check

- External account validation is done for the credit account in External Account Check (EAC). Customer and account status checks is done by the external ECA system along with other validation checks.
- If external account check fails, transaction is available in ECA Queue with error details received.

2.2.6.11 Accounting

 Accounting details are handed off to the accounting system with debit/credit liquidation accounting code linked at US NACHA Credit Accounting Preference (PNDCRPRF) for the network code, transaction type as 'Inbound' and transfer currency as 'USD' combination.

2.2.6.12 Zero Dollar Entry Processing

- Incoming NACHA credit transaction is treated as Zero Dollar Entry if the following conditions are met:
 - The SEC code is either CCD or CTX.
 - The Transaction code is equal to 24, 34, 44, or 54.
 - The Transfer Amount is zero.
 - If the above conditions are satisfied the transaction is marked as 'Zero Dollar Entry'
- If incoming credit is marked as 'Zero Dollar Entry', the system checks the following conditions:
 - Creditor Account (for credits), is valid (open, authorized)
- If the 'Zero Dollar Entry' check box is selected, the system skips the below processing:
 - Duplicate Check
 - Auth Limit Check
 - FX Limit Check/Rate Pick up
 - Pricing Check
 - ECA Check
 - Addenda Records
 - Advice Generation

Note

- Standard/Same Day processing steps are applicable for zero dollar transactions.
- ACK/ATX acknowledgment generation is supported.

Zero Dollar Entry Processing (Manually Booked)

- The system validates the following conditions for Zero Dollar Entry:
 - The 'Zero Dollar Entry' check box is selected.
 - The SEC code is either CCD or CTX.
 - The Transaction code is equal to 24, 34, 44, or 54.
 - The Transfer Amount is zero.
 - If validation fails, the system upfront rejects the transaction and displays an error message.



2.2.6.13 Pre Notification Entry Processing

- Incoming NACHA credit transaction is treated as Pre Notification Entry if the following conditions are met:
 - The SEC code is selected from list of codes ARC, BOC, CCD, CTX, CIE, POP, PPD, WEB, TEL, RCK, and XCK.
 - The Transaction code is equal to 23, 33, 43 or 53.
 - The Transfer Amount is zero.
 - If the above conditions are satisfied the transaction is marked as 'Pre Notification Entry'
- If incoming credit is marked as 'Pre Notification Entry', the system checks the following conditions:
 - Creditor Account (for credits), is valid (open, authorized)
- If the 'Pre notification Entry' check box is selected, the system skips the below processing:
 - Duplicate Check
 - Auth Limit Check
 - FX Limit Check/Rate Pick up
 - Pricing Check
 - ECA Check
 - Addenda Records
 - Advice Generation

Note

- Standard/Same Day processing steps are applicable for pre notification transactions.
- ACK/ATX acknowledgment generation is supported.

Pre Notification Entry Processing (Manually Booked)

- The system validates the following conditions for Pre Notification Entry:
 - The 'Pre Notification Entry' check box is selected .
 - The SEC code is selected from list of codes ARC, BOC, CCD, CTX, CIE, POP, PPD, WEB, TEL, RCK, and XCK.
 - The Transaction code is equal to 23, 33, 43 or 53.
 - The Transfer Amount is zero.
 - If validation fails, the system upfront rejects the transaction and displays an error message.



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.

Outbound US NACHA Debit Transaction Input		-
New Enter Query		
Transaction Branch *	Transaction Reference Number *	User Reference Number*
Branch Name	Network Code *	Source Reference Number
Host Code *	Network Description	Pre Notification Entry
Host Description	NACHA Entry Type * ACH Debit 🗸	Zero Dollar Entry
Source Code *	Standard Entry Class Code * 🗸 🗸	Settlement Preference
Source Description		
Account Currency		
Main Pricing		
Company Details	Creditor Details	Collection Details
Company Identification *	Creditor Account Number	Booking Date YYYY-MIADD
Company Name	Creditor Name	Instruction Date * YYYY4MIADD
Company Entry Description *	Account Currency	Transfer Currency *
Company Discretionary Data	Account Branch	Transfer Amount *
Company Descriptive Date	Customer Number	Exchange Rate
	Customer Service Model	FX Reference Number
	Credit Amount	Remarks
	Sequence Code 🗸 🤟	Enrich
Entry Details		Transaction Dates
Receiving DFI *	Transaction Code*	Revised Instruction Date YYYYMMADD
Receiving DFI Name	Transaction Code Description	Settlement Date YYYYMII/OD
Receiver Account Number *	Discretionary Data	Debit Value Date YYYY/MIL/OD
Individual Identification Number	Check Serial Number	Credit Value Date YYYYAMADD
Individual Name	Terminal City	Dispatch Date YYYY-MIHDD
Identification Number	Terminal State	
Receiving Company Name	Addenda Details	
JDF MIS Accounting Details		
Maker ID	Checker ID	Authorization Status
Maker Date Stamp	Checker Date Stamp	

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 a 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.

Pre Notification Entry

Select the Pre Notification Entry check box, if outbound transaction is a Pre Notification transaction.

Zero Dollar Entry

Select the Zero Dollar Entry check box, if outbound transaction is a Zero Dollar transaction.

Settlement Preference

Select the required Settlement Preference. The values are:

- Same Day
- Standard
- Blank

Originator (Creditor) Details

Company ID

Select the Company Identification of the ACH Debit transaction from the list of values. The list displays all the Company ID maintained in PMDORGFT & PMDCIACC maintenance screen.

Company Name

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

Originator Account Number

Specify the creditor account number of the corporate or owned by the Receiver individual as applicable for selected SEC code.

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

Specify the Receiving Company Name.



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 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.

- Zero dollar transaction codes are 29, 39, and 49, applicable for CCD and CTX SEC code.
- Pre-notification transaction codes are 28, 38, and 48.
- Normal transaction codes are 27, 37, 47, and 57.

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.

Addenda Details				×
Transaction Reference Number			Host Code	
Activation Date		N	letwork Code	
Addenda Details				
Conversion Standard	*			
Payment Related Info				
				Ok Exit

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.

Main	Pricing							
K 4	1 Of 1 🕨 🕅							8
	Pricing Component	Pricing Currency	Pricing Amount	Waiver	Debit Currency	Debit Amount		
UDF	MIS Accounting De	etails						
	Maker ID				Checker ID		Authorization Status	Canaal
	Maker Date Stamp			Chec	cker Date Stamp			Callor



2.3.1.2 UDF Tab

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

Fields		×
Fields		
K ◀ 1 Of 1 ► M Go		:=
Field Label *	Field Value	
		01 54
		Ok Exit

2.3.1.3 <u>MIS Tab</u>

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

MIS Details	, ,		×
Transaction Reference Number *		MIS Gro	Default
Transaction MIS		Composite MIS	
			Ok Exit


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.

Outbound US NACHA E	Debit Transfe	er Input Summary										
Search Advanced Sea	rch Reset	Clear All										
Case Sensitive												-
S	ource Code		Q		Network Code		Q	Transaction Refe	rence Number		Q	
Authoriza	ation Status	~		St	andard Entry Class Code		Q	Tra	nsaction Code		Q	
Trans	fer Amount		Q		Company Identification		Q	Co	ompany Name		Q	
Custom	ner Number		Q		Customer Service Model		Q		Booking Date	YYY-MM-DD		
Instr	uction Date	YYYY-MM-DD			Receiving DFI		Q	Source Refe	rence Number		Q	
Creditor Accou	unt Number		Q	F	Receiver Account Number		Q	User Refe	rence Number		Q	
Transact	tion Branch		Q		FX Reference Number		Q	Se	equence Code	~		-
Pre Notific	ation Entry	~			Zero Dollar Entry	~		Settleme	ent Preference	~		
												Exit

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

- Source code
- Network Code
- Transaction Reference Number
- Authorization Status
- Standard Entry Class Code
- Transaction Code
- Transfer Amount
- Company Identification
- Company Name
- Customer Number
- Customer Service Model
- Booking Date
- Instruction Date
- Receiving DFI
- Source Reference Number
- Creditor Account Number
- Receiver Account Number
- User Reference Number
- Transaction Branch
- FX Reference Number
- Sequence Code
- Pre Notification Entry
- Zero Dollar Entry
- Settlement Preference



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.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.

w Outbound US NACHA Debit Tr	ansaction					-
iter Query						
Transaction Branch			Transaction Reference Number		User Reference Number	
Branch Name			Network Code		Source Reference Number	
Host Code			Network Description		File Reference Number	
Host Description			NACHA Entry Type	ACH Debit 🗸		Pre Notification Entry
Source Code			Standard Entry Class Code	~		Zero Dollar Entry
Source Description			Properties of the second		Settlement Preference	~
Pricing Exceptions						
ompany Details			Creditor Details		Collection Details	
Company Identification			Creditor Account Number		Booking Date	YYYY-MILOD
Company Name			Creditor Name		Instruction Date	YYYY-MM-DD
Company Entry Description			Account Currency		Transfer Currency	
Company Discretionary Data			Account Branch		Transfer Amount	
Company Descriptive Date			Customer Number		Exchange Rate	
			Customer Service Model		FX Reference Number	
			Credit Amount		Remarks	
			Sequence Code	~		
intry Details					Transaction Dates	
Receiving DFI Identification			Transaction Code		Activation Date	YYYY-MAEDD
Receiving DFI Name			Transaction Code Description		Revised Instruction Date	YYYY-MI-DD
Receiver Account Number			Check Serial Number		Settlement Date	YYYY-MILOD
Individual Identification Number			Terminal City		Debit Value Date	YYYY-MIN-DD
Individual Name			Terminal State		Credit Value Date	YYYY-MM-DD
Identification Number			Discretionary Data			
Receiving Company Name				Addenda Details		
ransaction Status			External System Status		Dispatch Details	
Transaction Status	~	1	Sanctions Check Status	~	Dispatch Status	~
Debit Liquidation Status	~		Sanctions Check Reference		Dispatch Reference Number	
Credit Liquidation Status	~		External Account Check Status	~	Dispatch Date	YYYY-MM-DD
Queue Code		~	External Account Check Reference		Trace Number	
			External Exchange Rate Status	~	Batch Number	
			External Exchange Rate Reference			
				View Queue		
w Queue Action UDF MIS	Accounting Details	All Messages	ACK/ATX Message NOC Message			
w Queue Action UDF MIS Maker Id	Accounting Details	All Messages	ACK/ATX Message NOC Message Cherker Id		Authorization Status	

- 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.



2.3.1.5 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.

Accounting Entrie	s								- >
Enter Query									
Transact	ion Deference Number								
Transaci	ton Reference Number								
Accounting Entrie	es								
🖊 ┥ 1 Of 1 🕨	M Go								+ - 33
Event Code	Transaction Date	Value Date	Account	Account Branch	TRN Code	Dr/Cr	Amount Tag	Account Currency	Transaction Amount
Accounting Details									
									Exit

2.3.1.6 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						- x
Enter Query						
Transaction Reference Number				Network Code		
K ◀ 1 Of 1 ► N G0						+ - 8
Transaction Reference Number	Action	Remarks	Queue Code	Authorization Status	Maker Id	Maker Date Stamp
	View Request Message			View Respon	nse Message	
						Exit



2.3.1.7 UDF Tab

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

Fields			×
Fields			
🗮 🛋 1 Of 1 🕨 🗎	Go		==
Field Label *		Field Value	
			Ok Exit

2.3.1.8 MIS Tab

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

MIS Details	, ,			×
Transaction Reference Number *		MI	IIS Group Default	
Transaction MIS		Composite MIS		
				Ok Exit



2.3.1.9 NOC Message Tab

You can invoke this screen to view the NOC Message received under NOC tab by clicking 'NOC Message' tab in the screen.

Pndnocvw_Desc						- ×
Transaction Reference N	umber					
NOC Refused NOC Message						
K ≤ 1 Of 1 ► N	30				+ -	- 58
File Reference Number	Received Date	COR Code	Trace Number			
	Message					
						_
						Exit

You can invoke this screen to view the generated 'Refused NOC' received under Refused NOC tab by clicking 'Refused NOC Message' tab in the screen.

Pndnocvw_Desc						- ×
Transaction Reference Number						
K ◀ 1 Of 1 ► N Go					+ -	:=
NOC Reference Number Dispatch Reference Number	Dispatch Date and Time	Message Status	Dispatch Status			
Message						
						Exit

Note

You can view the dispatched Refusal NOC message (as per NACHA format with header/control records '1', '8', '9' and '5', '6', '7') from NACHA Dispatch Log summary (PMSDNLOG) only.



2.3.1.10 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.

ACHA View Summary									×
Search Advanced Search Reset	Clear All								
Transaction Reference Number	Q	Network Code		Q	Originator Accourt	nt Number		Q	-
Source Code	Q	Transaction Status	•		Transfe	er Amount		Q	
Transfer Currency	Q	Transaction Branch Code		Q	Authorizati	ion Status	•		
Activation Date	MM-DD	Booking Date	YYYYAMADD 🔠		Debit Liquidati	ion Status	•		
Credit Liquidation Status	•	File Reference Number	Q		Source Referenc	e Number		Q	
Queue Code	•	Creditor Account IBAN		Q	Dispatch Referenc	e Number		Q	. Last
250.0-4-									•
Records per page 15 - 💘 🔫 1 O	0f 1 🕨 📕 🔤 🛛 L	ock Columns 0 👻							
Transaction Reference Number	r User Reference Number	Network Code Receiver Acco	unt Number Originator Ac	count Number	Source Code	Host Code	Transaction Status	Transfer Am	iou
									^
									-
									-
< [F
								Evi	
								LA	

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.



2.3.2 Debit Outbound Transaction Processing

Outbound transaction follows the below listed processing steps:

- Non STP Validation
- Settlement Preference Derivation
- Date Derivation
- Same Day ACH Debit
- Process Exception Validations
- Repair Validation
 - SEC Code Specific Validation
- Mandate Check
- Business Override Validations
 - Duplicate Checks
- Authorization Limits Check
- Processing Cut-off Checks
- Sanctions Check
- Future Date Checks
- Pricing
- FX Validation
- External Account Check
- Dispatch Processing
- Zero Dollar Entry Processing
- Pre notification Entry Processing

2.3.2.1 Non STP Validation

- The Non STP rules are applied on Outbound NACHA transactions booked via SOAP/ REST service request (XML/JSON).
- If any transaction meets the criteria maintained in the Non STP Rule Detailed (PMDNSRLE) screen, transactions move to Non STP Queue (PQSNSTPQ).

2.3.2.2 Settlement Preference Derivation

• For NACHA Outbound Debit transaction, the field 'Prefer Same-Day ACH Debit Processing' referred for the NACHA Entry Type value as 'ACH Debit' or 'All'. If the option selected is 'Yes', then the 'Settlement Preference' value is set as 'Same Day'. Otherwise, the value is set as 'Standard'.

Note

If the user does not select Settlement Preference during manual booking or does not send in NACHA transaction via SOAP/REST service request, then the derivation is done.



2.3.2.3 Date Derivation

Instruction Date

- If the Original Instruction date is given and backdated, then the system default the Host date as the Instruction Date.
- The system checks the Instruction date for network holidays, currency holidays (Debit). If the Instruction date falls on Network / Currency holidays, the instruction date moves forward to the Network Working date / Currency Working date.
- If the Original Instruction date is not given and the Activation Date is given, then the Instruction Date is derived after the Activation Date is checked for holidays. Instruction Date is derived as Activation Date plus Dispatch Days minus working days.

Activation Date

- Instruction Date minus Dispatch Days (For Same Day, Dispatch days is zero and For Standard settlement, the Settlement Days is picked up from the Network Preference) if:
 - The system checks the Activation Date for the branch holiday/network holiday. If the date falls on a holiday, then the activation date is moved backward to the Previous Branch Working Date / Network Working Date.
 - If the Activation Date falls below the booking date, then the Activation Date is set to the Booking date. The branch holiday/network holiday is applied, and the activation date moves forward. The Instruction Date also moves forward by applying the Dispatch Days minus Network Working days.

Dispatch Date

The Dispatch Date is derived as Instruction Date minus Dispatch Days (Network working days).

2.3.2.4 Same Day ACH Debit

- If the Outbound NACHA DD is marked as 'Same Day ACH Debit', on the authorization of the transaction:
 - The system posts 'itemized accounting' at the respective outbound NACHA DD transaction level and credits the customer account for the transfer amount.
 Accounting handoff is done. The message was dispatched as per current support.
- System triggers Charge Liquidation and debit the customer account (creditor) for respective outbound NACHA DD transactions.

2.3.2.5 Process Exception Validations

The following validations are covered in this processing step:

- Debit account is valid or not (Debit account record is open and authorized)
- No status check is done for the debit customer/account.
- The transaction is moved to Process Exception Queue (PQSPRQUE) in case of validation failure.

2.3.2.6 Business Override Validations

Duplicate Checks

• The duplicate check for a transaction is done during transaction processing if the Duplicate check is applicable for the Source. Payment fields marked for duplicate check



in Source Maintenance are matched with all the payments booked within the duplicate period. The booking date of the payments is considered for evaluating the duplicate period.

- The duplicate period is considered based on the number of days maintained for the source. If the maintenance is not available, then the duplicate check is not done.
- If there are any matching payments with the fields identical with the payment being processed, then the payment is moved to Business Override Queue (PQSOVRQU) for further investigation.

2.3.2.7 Authorization Limit Checks

- Two levels of authorization limits can be maintained for a Network and source in PMDSORNW (optional). If the transfer amount is greater than authorization limit 1, the transaction is moved to Authorization Limit 1 Queue.
- On approval from Authorization Limit 1 Queue, if the transfer amount is greater than authorization limit 2, the transaction is moved to Authorization Limit 2 Queue. If the transfer amount is less than authorization limit 2, the transaction proceeds to next processing step.
- If the Authorization Limit check is done on booking date, it is not repeated on Value date processing.

2.3.2.8 Processing Cut-off Checks

- Transaction cut off time validation is based on the Transaction Cut-off Time Maintenance (PMDCTOFF) screen. Transaction cut-off time check is done only for transaction with payment activation date is current date.
- Transaction Cut-off time for the payment network and Transaction Type 'Outbound' is fetched from the maintenance for the following combination:
 - Source Specific/ALL
 - Service Model Specific/ALL
 - Customer Specific/ALL
- Cut off time is derived as follows:

S.No.	Network	Transaction Type	Source	CSM	Customer
1	Network ID	Outbound	Specific	Specific	Specific
2	Network ID	Outbound	ALL	Specific	Specific
3	Network ID	Outbound	Specific	Specific	ALL
4	Network ID	Outbound	ALL	Specific	ALL
5	Network ID	Outbound	Specific	ALL	ALL
6	Network ID	Outbound	ALL	ALL	ALL

• If payment processing time is lesser than or equal to the Cut-off date time derived, then the payment is considered as 'Pre Cut-off' payment and proceeds with further processing.

 If payment save date time or payment receipt date time exceeds the Cut-off date time derived then the payment is considered as 'Post Cut-off' payment and transaction is moved to Processing Cut-off Queue (PQSPRCUQ).



2.3.2.9 Sanctions Check

• The transaction is sent for sanction screening to an external system if sanctions screening is enabled for the source and network in Source Network Preferences PMDSORNW.

2.3.2.10 Future Date checks

- The transactions are segregated as Current dated/Future dated based on the Activation Date. Future valued transactions is moved to Future Value Queue.
- The transaction processing of current valued transactions continues with the next step of processing.

2.3.2.11 FX Validation

• FX validation is applicable in cases where the transfer currency and credit account currency are different.

2.3.2.12 External Account Check

- External account validation is done for the credit account in External Account Check (EAC). Customer and account status checks is done by the external ECA system along with other validation checks.
- If external account check fails, transaction is available in ECA Queue with error details received.

2.3.2.13 Dispatch Processing

 Dispatch accounting entries are posted based on the Dispatch Accounting code maintained in the US NACHA Debit Accounting Preference (PNDDRPRF) for the Transaction Type 'Outbound'.

2.3.2.14 Zero Dollar Entry Processing

- The system validates the following conditions for Zero Dollar Entry:
 - The 'Zero Dollar Entry' check box is selected.
 - The SEC code is either CCD or CTX.
 - The Transaction code is equal to 29, 39, or 49.
 - The Transfer Amount is zero.
 - If validation fails, the system upfront rejects the transaction and displays an error message.
- If the 'Zero Dollar Entry' check box is selected, the system skips the below processing:
 - Duplicate Check
 - Auth Limit Check
 - FX Limit Check/Rate Pick up
 - Pricing Check
 - ECA Check
 - Advice Generation

Note

- Sanctions check is applicable even for zero dollar transaction.
- Standard/Same day processing steps are applicable for zero dollar transaction.

2.3.2.15 Pre notification Entry Processing

- The system validates the following conditions for Pre Notification Entry:
 - The 'Pre notification Entry' check box is selected .
 - The SEC code is selected from list of codes ARC, BOC, CCD, CTX, CIE, POP, PPD, WEB, TEL, RCK, and XCK.
 - The Transaction code is equal to 28, 38, or 48.
 - The Transfer Amount is zero.
 - If validation fails, the system upfront rejects the transaction and displays an error message.
- If the 'Pre notification Entry' check box is selected, the system skips the below processing:
 - Duplicate Check
 - Auth Limit Check
 - FX Limit Check/Rate Pick up
 - Pricing Check
 - ECA Check
 - Advice Generation

Note

- Sanctions check is applicable even for pre notification transaction.
- Standard/Same day processing steps are applicable for pre notification transaction.

2.3.3 Inbound NACHA ACH Debit Transaction Input

You can invoke "Inbound US NACHA Debit Transaction Input" 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.

und US NACHA Debit Transaction Input		
w Enter Query		
Transaction Branch *	Transaction Reference Number*	File Reference Number
Branch Name	Network Code *	Batch Number
Host Code *	Network Description	Trace Number
Host Description	NACHA Entry Type* ACH Debit 🗸	Zero Dollar Entry
Source Code *	Standard Entry Class Code*	Pre Notification Entry
Source Description		
Pricing		
ebtor Details	Originator Company Details	Collection Details
Debtor Account Number *	Company Identification *	Booking Date YYYY4840D
Debtor Name	Company Name	Instruction Date * YYYY4M-DD
Account Currency	Company Entry Description *	Transfer Currency*
Account Branch	Company Discretionary Data	Transfer Amount*
Customer Number	Company Descriptive Date	Exchange Rate
Customer Service Model	Originating DFI*	Remarks
Debit Amount	Originating DFI Name	
Authorization Id *	Originator Account Number	
	Account Currency	
ntry Details		Transaction Dates
Individual Identification Number	Discretionary Data	Activation Date YYYY4M4DD
Individual Name	Check Serial Number	Debit Value Date YYYY4464DD
Identification Number	Terminal City	Credit Value Date YYYY-MM-00
Receiving Company Name	Terminal State	
Transaction Code *	Addenda Details	Reversal Details
Transaction Code Description		Reversal Reason Code
		Reversal Reason
		Remarks
		Reversal Reference Number
		Reversal Date YYYY4M40D
: MIS		
Maker Id	Checker ID	Authorization Status
Date Time	Date Time	



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 a 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.

Zero Dollar Entry

Select the Zero Dollar Entry check box, if inbound transaction is a Zero Dollar transaction.

Pre Notification Entry

Select the Pre Notification Entry check box, if inbound transaction is a Pre Notification transaction.



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.

Reversal Details

Reversal Reason Code

Select from the list of values for Reversal Reason Code. The list of NACHA reversal reason codes is maintained in PMDRJMNT screen.

Reversal Reason

System display the description of the selected reason code.

Remarks

Specify the operational reason for reversal of the transaction. This is mandatory field.

Reversal Reference Number

System default this field on click of 'Reversal' button.

Reversal Date

System displays the current system date of reversal.



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.

Main <mark>Pricing</mark>						
🕅 < 1 Of 1 🕨 🕅						Ξ
Pricing Component	Pricing Currency	Pricing Amount	Waiver Debit Currency	Debit Amount		
UDF MIS Accounting	Details					
Maker Maker Date Stan	ID 1p		Checker ID Checker Date Stamp		Authorization Status	Cancel

2.3.3.2 UDF Tab

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

Fields			×
Fields			
📕 ┥ 1 Of 1	▶ M Go		=
	Field Label *	Field Value	
			Ok Exit



2.3.3.3 MIS Tab

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

Transaction Reference Number *	MIS Group Default
nsaction MIS	Composite MIS

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.

Inbound US NACHA Debit Transfer I	nput Summary							- ×
Search Advanced Search Reset	Clear All							
Case Sensitive								
Source Code	Q	Network Code		Q	Transaction Reference Number	ſ	Q	
Authorization Status	~	Standard Entry Class Code	~		Transaction Cod	e	Q	
Transfer Amount	Q	Debtor Account Number		Q	Customer Numbe	ſ	Q	_
Customer Service Model	Q	Booking Date		Q	Instruction Dat	a YYYY-MM-DD 📰		
Originating DFI	Q	Company Identification		Q	Company Nam	8	Q	
File Reference Number	Q	Batch Number		Q	Trace Numbe	ſ	Q	
Transaction Branch	Q	Authorization Id		Q	Pre Notification Entr	y 🗸		
Zero Dollar Entry	~							-
Records per page 15 🗸 🔘 🖣 1	Of 1 > > Go Loo	k Columns 0 🗸						
Source Code Network Code	Transaction Reference Number	Authorization Status Standard Entry Class Code T	ransaction Code	Transfer Amount	Debtor Account Number Customer Number C	ustomer Service Model	Booking Date	Instruction Date
								Exit

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

- Source Code
- Network Code
- Transaction Reference Number
- Authorization Status
- Standard Entry Class Code
- Transaction Code
- Transfer Amount
- Debtor Account Number
- Customer Number
- Customer Service Model



- Booking Date
- Instruction Date
- Originating DFI
- Company Identification
- Company Name
- File Reference Number
- Batch Number
- Trace Number
- Transaction Branch
- Authorization Id
- Pre Notification Entry
- Zero Dollar Entry

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 Transaction View

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

View Inbound US NACHA Debit Trar	isaction				- 3
Enter Query					
Transaction Branch		Transaction Reference Number		File Reference Number	
Branch Name		Network Code		Batch Number	
Host Code		Network Description		Trace Number	
Host Description		NACHA Entry Type			Pre Notification Entry
Source Code		Standard Entry Class Code	Northeast P		Zero Dollar Entry
Source Description		Grandard Entry Grass Gode	*		
Distan Encodes					
Debtor Details		Originator Company Details		Collection Details	
Debtor Account Number		Company Identification		Booking Date	
Debtor Name		Company Name		Instruction Date	
Account Ourservy		Company Entry Description		Transfer Currency	
Account Branch		Company Discretionery Date		Transfer Amount	
Curtomor Number		Company Discretionary Data		Evenance Parto	
Customer Number		Company Descriptive Date		EXchange Rate	
Customer Service Model		Originating DFI			
Debit Arnount		Originating DP1 Name		Remarks	
Authorization Id		Uriginator Account Number			
		Account Currency			
Entry Details				Transaction Dates	
Individual Identification Number		Discretionary Data		Activation Date	
Individual Name		Check Serial Number		Debit Value Date	YYYYAMADD
Identification Number		Terminal City		Credit Value Date	YYYYAMADD
Receiving Company Name		Terminal State			
Transaction Code			Addenda Details		
Transaction Code Description					
Transaction Status		External System Status		-	
Transaction Status	\sim	Sanctions Check Status	~	External Exchange Rate Status	~
Debit Liquidation Status	~	Sanctions Check Reference		External Exchange Rate Reference	
Credit Liquidation Status	~	External Credit Approval Status	\sim		View Queue
Queue Code	# V	External Credit Approval Reference			
				Reversal Details	
				Reversal Reason Code	
				Reversal Reason	
				Remarks	
				Reversal Reference Number	
				Reversal Date	YYYY-MB-DD
/iew Queue Action UDF MIS	Accounting Entries All Messages All	CK/ATX Message NOC Message			
Maker Id		Checker Id		Authorization Status	✓ Evit
Maker Date Stamp		Checker Date Stamp			

• 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.
- Click the 'Reverse' button from this screen to launch the Inbound US NACHA Debit Transaction Input (PNDIDONL) screen in 'Read-only' mode except for the 'Reversal Details' section with all the details of inbound NACHA debit transactions.
- When you click the 'Reverse' button, the system performs the following validations:
 - The system shows an error message if the Transaction status is not 'Processed'.
 - The system shows an error message if the user selects more than one record.
 - The system checks for user/role queue access is provided in (PMDROLQA/ PMDUSRQA).
 - On the success of the above validations, the user can input the reversal reason code, remarks for the reversal in the Inbound US NACHA Debit Transaction Input (PNDIDONL) screen.
 - On authorization, the system marks the original Inbound credit Transaction Status as Reversed.

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.



Accounting Entrie	S								-
nter Query									
Transact	on Reference Number								
counting Entric									
I of 1 ≥	S Go								+ - =
Event Code	Transaction Date	Value Date	Account	Account Branch	TRN Code	Dr/Cr	Amount Tag	Account Currency	Transaction Amour
counting Dotails									
coounting Details									
									Exit

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 Numbe	ſ			Network Code		
K ◀ 1 Of 1 ► N G0						+ - =
Transaction Reference Number	Action	Remarks	Queue Code	Authorization Status	Maker Id	Maker Date Stamp
	View Request Message			View Respo	nse Message	
						Exit



2.3.4.3 UDF Tab

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

ds Field Label * Field Value	Fields		×
I Of I I I I I I I I I I I I I I I I I I	Fields		
Field Label • Field Value	H 4 1 Of 1 >> Go		==
	Field Label *	Field Value	
Ok Exit			Ok Exit

2.3.4.4 MIS Tab

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

MIS Details	, ,				×
Transaction Reference Number *		1	MIS Group Default	C	
Transaction MIS		Composite MIS			
					Ok Exit



2.3.4.5 Inbound NACHA ACH Debit Transfer View Summary

You can invoke "View Inbound US NACHA Debit Transfer 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.

View Inbound US NACHA Debit Tran	nsfer Summary								
Search Advanced Search Reset	Clear All								
Case Sensitive									
Source Code	Q		Network Code	Q		Transaction F	leference Number	Q	
Transaction Status	~		Queue Code		~	Standard	Entry Class Code	~	_
Transaction Code	Q		Transfer Amount	Q		Т	ransaction Branch	Q	_
Debtor Account Number	Q		Customer Number	Q		Custor	ner Service Model	Q	_
Originating DFI	Q		Company Identification	Q			Company Name	Q	_
Booking Date	YYYY-MM-DD		Instruction Date	YYYY-MM-DD			Activation Date YYYY-I	IM-DD	_
File Reference Number	Q		Batch Number	Q			Trace Number	Q	
FX Reference Number	Q		Authorization Id	Q					-
Records per page 15 🗸 🔘 ┥ 1	Of 1 🕨 📕 🛛 Go 🛛 Lo	ck Columns 0 🗸							
Source Code Network Code	Transaction Reference Number	Transaction Status	Queue Code Standard Entry C	lass Code Transaction Code	Transfer Amount	Transaction Branch	Debtor Account Number	Customer Number	Customer Service Model
-									
10 m									
Generate NOC Reverse									
									Exit

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

- Source Code
- Network Code
- Transaction Reference Number
- Transaction Status
- Queue Code
- Standard Entry Class Code
- Transaction Code
- Transfer Amount
- Transaction Branch
- Debtor Account Number
- Customer Number
- Customer Service Model
- Originating DFI
- Company Identification
- Company Name
- Booking Date
- Instruction Date
- Activation Date
- File Reference Number
- Batch Number
- Trace Number
- FX Reference Number
- Authorization 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.

2.3.5 Debit Inbound Transaction Processing

Inbound transaction follows the below listed processing steps:

- Non STP Validation
- Debit Account Resolution
- Repair Validations
- Business Override Validations
 - Duplicate Checks
- Authorization Limits Check
- Sanctions Check
- Future Date Check
- Pricing
- FX Validation
- External Credit Approval Check
- Accounting
- Zero Dollar Entry Processing
- Pre Notification Entry Processing

2.3.5.1 Non STP Validation

- The Non STP rules are applied on Inbound NACHA transaction booked via incoming NACHA file upload.
- If any transaction meets the criteria maintained in the Non STP Rule Detailed (PMDNSRLE) screen, transactions move to Non STP Queue (PQSNSTPQ).

2.3.5.2 Business Override Validations

Duplicate Checks

- The duplicate check for a transaction is done during transaction processing if the Duplicate check is applicable for the Source. Payment fields marked for duplicate check in Source Maintenance are matched with all the payments booked within the duplicate period. The booking date of the payments is considered for evaluating the duplicate period.
- The duplicate period is considered based on the number of days maintained for the source. If the maintenance is not available, then the duplicate check is not done.

If there are any matching payments with the fields identical with the payment being processed, then the payment is moved to Business Override Queue (PQSOVRQU) for further investigation.

2.3.5.3 Authorization Limit Checks

• Two levels of authorization limits can be maintained for a Network and source in PMDSORNW (optional). If the transfer amount is greater than authorization limit 1, the transaction is moved to Authorization Limit 1 Queue.



- On approval from Authorization Limit 1 Queue, if the transfer amount is greater than authorization limit 2, the transaction is moved to Authorization Limit 2 Queue. If the transfer amount is less than authorization limit 2, the transaction proceeds to next processing step.
- If the Authorization Limit check is done on booking date, it is not repeated on Value date processing.

2.3.5.4 Sanctions Check

 The transaction is sent for sanction screening to an external system if sanctions screening is enabled for the source and network in Source Network Preferences PMDSORNW.

2.3.5.5 Future Date Checks

- The transactions are segregated as Current dated/Future dated based on the Activation Date. Future valued transactions is moved to Future Value Queue.
- The transaction processing of current valued transactions continues with the next step of processing.

2.3.5.6 FX Validation

• FX validation is applicable in cases where the transfer currency and debit account currency are different.

2.3.5.7 External Credit Approval Check

- The payment amount and charge/tax amount are sent to the external DDA system for credit approval.
- External Credit Approval is done for all the external accounts for which the 'External Credit Approval Required' flag is enabled. ECA system for the credit check is derived based on the External Account maintenance.
- If the ECA response status for a payment transaction is 'Approved', then further processing continues. If ECA validation fails i.e. the status is 'Override', 'Rejected', or 'Timed out', then the transaction is logged in the ECA Exception queue.

Note

The external ECA system does customer and account status checks along with account balance checks.

2.3.5.8 Zero Dollar Entry Processing

- Incoming NACHA debit transaction is treated as Zero Dollar Entry if the following conditions are met:
 - The SEC code is either CCD or CTX.
 - The Transaction code is equal to 29, 39, or 49.
 - The transfer Amount is zero.
 - If the above conditions are satisfied the transaction is marked as 'Zero Dollar Entry'
- If incoming credit is marked as 'Zero Dollar Entry', the system checks the following conditions:
 - Debtor Account (for Debits), is valid (open, authorized)
- If the 'Zero Dollar Entry' check box is selected, the system skips the below processing:
 - Duplicate Check



- Auth Limit Check
- FX Limit Check/Rate Pick up
- Pricing Check
- ECA Check
- Addenda Records
- Advice Generation
- The system generates ACK/ATX acknowledgment for inbound debit with Sec code CCD/CTX and Discretionary Data 'AK' as per current support.

- Standard/Same day processing steps are applicable for zero dollar transaction.
- ACK/ATX acknowledgment generation is supported.

Zero Dollar Entry Processing (Manually Booked)

- The system validates the following conditions for Zero Dollar Entry:
 - The 'Zero Dollar Entry' check box is selected.
 - The SEC code is either CCD or CTX.
 - The Transaction code is equal to 29, 39, or 49.
 - The Transfer Amount is zero.
 - If validation fails, the system upfront rejects the transaction and displays an error message.

2.3.5.9 Pre Notification Entry Processing

- Incoming NACHA debit transaction is treated as Pre Notification Entry if the following conditions are met:
 - The SEC code is selected from list of codes ARC, BOC, CCD, CTX, CIE, POP, PPD, WEB, TEL, RCK, and XCK.
 - The Transaction code is equal to 28, 38, or 48.
 - The Transfer Amount is zero.
 - If the above conditions are satisfied the transaction is marked as 'Zero Dollar Entry'
- If incoming credit is marked as 'Pre Notification Entry', the system checks the following conditions:
 - Debtor Account (for Debits), is valid (open, authorized)
- If the 'Pre notification Entry' check box is selected, the system skips the below processing:
 - Duplicate Check
 - Auth Limit Check
 - FX Limit Check/Rate Pick up
 - Pricing Check
 - ECA Check
 - Addenda Records
 - Advice Generation



- Standard/Same day processing steps are applicable for pre notification transaction.
- ACK/ATX acknowledgment generation is supported.

Pre Notification Entry Processing (Manually Booked)

- The system validates the following conditions for Pre Notification Entry:
 - The 'Pre Notification Entry' check box is selected .
 - The SEC code is selected from list of codes ARC, BOC, CCD, CTX, CIE, POP, PPD, WEB, TEL, RCK, and XCK.
 - The Transaction code is equal to 28, 38, or 48.
 - The Transfer Amount is zero.
 - If validation fails, the system upfront rejects the transaction and displays an error message.

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.

Nacha Dispatch Log Summary										
Search Advanced Search Reset	Clear All									
Case Sensitive										
Dispatch Reference Number		Q		Dispa	tch Date dd-MMM-yyyy			Dispatch File Name	Q	
File Generation Status	~									
Records per page 15 🗸 🔣 🚽 1	0f 1 🕨 🖬	Go Lock Colu	mns 0 🗸							
Dispatch Reference Number F	le Reference Number	Dispatch Date	Dispatch Time	Dispatch File Name	Total Transaction Count	Total Settlement Amount	File Generation Status	Error Description		
1										
1										
Marrana I. Marr Quarra Action I. Account	ation Entries									
Intessage view duebe Accion Account	iong chores									_
										Exit

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.



- 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 -'ACHACHPXXXXXXXFDYYYYMMDDTHHMMSSmmmm.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.

File Content			
Enter Query			
File Reference ID			
Message Message			
			Exit



2.4.1.2 View Queue Action Log

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

View Queue Action Log					- ×
Enter Query					
Transaction Reference Number			Network Code		
K ≤ 1 Of 1 ► M Go					+ - =
Transaction Reference Number	Action	Remarks	Queue Code	Authorization Status	Maker
v	iew Request Message		View F	tesponse Message	
					Exit

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.

Nacl	na Dispatch Accountin	g Entries						- ×
Ent	er Query							
	Dispatch Refe	erence Number						
Acci	1 Of 1							
	Event Code	Transaction Date	Value Date	Transaction Account	Transaction Account Branch	Transaction Code	Dr/Cr	
-								
								Tel
								Exit



2.4.2 Inbound NACHA File Summary

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

Inbound NachaFile Summary						- ×
Search Advanced Search Reset Clear A	All					
Case Sensitive						
File Reference Number	P Re	ceived Date YYYY-MM-DD	File Name	Q		
Receipt Accounting Status	✓ File Up	bload Status 🗸				
Records per page 15 🗸 🔘 ┥ 1 Of 1	Go Lock Column	ns 0 🗸				
File Reference Number EMS File Re	ference Number Received Date	Received Time Network Code	File Name Total Transaction Count	Receipt Accounting Status	File Upload Status	Error Message
Message Receipt Accounting File Details						
						Exit

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

- File Reference Number
- Received Date
- File Name
- Receipt Accounting Status
- File Upload Status

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 click the 'Details' button after selecting a record to view the detailed screen.

2.4.2.1 <u>Messages Tab</u>

Click the "Messages" tab in the screen to invoke this sub-screen. The In File Details sub screen shows the full file contents received in the file.



			×
File Reference ID			
Message			
		Ewit	
	File Reference ID Message	File Reference ID Message	File Reference ID

2.4.2.2 Receipt Accounting Tab

Click the "Receipt Accounting" tab in the screen to invoke this sub-screen. The Inbound NACHA Accounting Entries sub screen lists all the receipt accounting posted on a file, based on the Transaction Code of the transactions.

Inbour	d Nacha Accounting E	Intries						- ×
Enter	Query							
	File Reference N	lumber						
Accou	nting Entries							
₩ ◄	1 Of 1 🕨 🗎							5E
	Event Code	Transaction Date	Value Date	Transaction Account	Transaction Account Branch	Transaction Code	Dr/Cr	Transaction An
								Exit

2.4.2.3 File Details Tab

Click the "File Details" tab in the screen to invoke this sub-screen. This screen list few fields of the parsed File Header / Control Details, all the parsed batch records along with Process Status and Error Message.



View File Details									- ×
File Reference N	umber		Rei	ceived Date			File Name		
File Header/Control Detail Priority Code Batch Count			Immidiate Destination Total Debit Amount			Immidiate Destination Name Total Credit Amount			
	K ≪ 1 0f 1 ► M Go					57 4 5 4 9 4		0.000	- 33
D Baich Number	Service Class Code	SEC Code	Company Identification	Company Name	Company Entry Description	Ellective Entry Date	Settlement Date	Process Status	la
	Entry Details								
				0					Exit

2.4.3 Inbound NACHA NOC Browser

You can invoke "Inbound NACHA NOC Browser" screen by typing 'PNSINOCB' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

e Sensitive				12				-	
	File Referenc	e Number		Q		Receiv	ed Date YYYY-M	IM-DD	
	Service C	lass Code		Q		Company Ident	tification	\$	>
	Match	ed Status	~			Curren	it Status	~	
	Authorizat	ion Status	~						
ords per page	15 🗸 🔘	< 1 Of 1	► N	Go Lock Columns 0	~				
File Refer	ence Number	File Name	Received Date	Service Class Code	Company Identification	Matched Status	Current Status	Authorization Status	Transaction Code

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

- File Reference Number
- Received Date
- Service Class Code
- Company Identification
- Matched Status
- Current Status
- Authorization Status

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 click the 'Details' button after selecting a record to view the detailed screen.



You can use following actions:

Actions	Functions
Refuse	• You capture refusal details through this tab. For more details refer to Section 2.4.3.1, "Refuse Tab".
Authorize	• This action launches the same sub screen, as the Refuse user action with all fields disabled and the 'Authorizer Remarks' field enabled.
Delete	Allows the user, who initiated the action to delete the action before authorization.
View Incom- ing File	 You can click on the View Incoming File tab, to launch the Inbound NACHA File Summary (PNSINLOG) based on the File Reference number value.
View Trans- action	 You can view the transaction details for the selected record. You can click on the View Transaction action, to launch the View Outbound US NACHA Credit Transaction (PNDOVIEW) / View Outbound US NACHA Debit Transaction (PNDODOVW) screens for the selected NOC record. This sub-screen is launched only if the matched status is 'Matched' and the Original Transaction Reference is not blank.

2.4.3.1 Refuse Tab

Click the "Refuse" tab in the screen to invoke this sub-screen. The Inbound NACHA NOC Refusal sub-screen capture the Refusal details.

nbound Nacha NOC Refusal				-
NOC Reference Number		Transaction Branch		
Message Date		Host Code		
Original Transaction Reference		Network Code		
NOC Details		Transaction Details		
Change Code		Nacha Entry Type	~	
Change Code Description		Standard Entry Class Code	~	
		Instruction Date		
Addenda Record Details: Corrected Data		Activation Date		
Account Number		Transfer Currency		
Receiving DFI		Transfer Amount		
Transaction Code		Receiver Account Number		
Individual Identification Number		Individual Identification Number		
Addenda Format		Individual Name		
New SEC Code(IAT only)		Identification Number		
		Customer No		
Refusal of NOC Details		Customer Service Model		
SEC Code		Receiving DFI		
Addenda Type Code		Receiving DFI Name		
Refusal Change Code *	Q	Original Batch Number		
Change Code Description		Original Trace Number		
Maker Id	Checker ID	Authorization Status	~	Ok Evi
Maker Date Stamp	Checker Date Stamp			

- The system validates whether Refusal action is taken already. If so, the action is not allowed.
- The system checks the Current Status field value, and if the value is 'Refused', the error message is shown.



2.4.4 Inbound NACHA NOC Refusal Summary

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

Inbound Nacha NOC Refusal Summary								- ×
Search Advanced Search Reset Clea	ar All							
Case Sensitive								
NOC Reference Number		Q		NOC Trac	e Number		Q	
Message Status	~			Authorizat	tion Status	~		
Dispatch Reference Number		Q		Disp	atch Date YYYY	-MM-DD		
Dispatch Status		~		Refusal Cha	inge Code		Q	
Nacha Entry Type	~			Original Trac	e Number		Q	
Receiving DFI		Q		Standard Entry C	lass Code	~		
Original Transaction Reference		م		Instru	ction Date YYYY	-MM-DD		
Records per page 15 🗸 🔘 < 1 Of 1	► N	Go Lock (Columns 0 🗸					
NOC Reference Number NOC Tra	ice Number Me	essage Status	Authorization Status	Dispatch Reference Number	Dispatch Date	Dispatch Status	Refusal Change Code	Nacha
								Exit

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

- NOC Reference Number
- NOC Trace Number
- Message Status
- Authorization Status
- Dispatch Reference Number
- Dispatch Date
- Dispatch Status
- Refusal Change Code
- Nacha Entry Type
- Original Trace Number
- Receiving DFI
- Standard Entry Class Code
- Original Transaction Reference
- Instruction Date

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 click the 'Details' button after selecting a record to view the detailed screen.

You can select the particular record and authorize it.

On authorization, the Refusal NOC message gets generated. It gets linked to the respective underlying Credit/Debit transaction.



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			Transaction Branch			
Return Date	YYYY-MM-DD		Host Code			
Original Transaction Reference			1001 0000			
Network Code						
Main Return Response						
Return Details			Original Transaction Details			
Return Type	Administrative ¥		Original Transaction EntryType	~		
Return Reason Code			SEC Code			
Return Reason			Transfer Amount			
Additional Information			Transfer Currency			
Return Transaction Code			Receiver Account Number			
Dispatch Status	~		Activation Date	YYYY-MM-DD		
Dispatch Reference Number			Instruction Date	YYYY-MM-DD		
Dispatch Date	YYYY-MM-DD		Customer No			
Batch Number			Customer Service Model			
Trace Number			Originating DFI			
			Originating DFI Name			
			Batch Number			
			Trace Number			
External System						5
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 E	ntries					
Maker Id		Checker ID	Authorization S	tatus	Exit	
Release Time	Checker	r Date Stamp			- Extit	

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.

2.5.1.1 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.

Main Return Response			
Return Response	~		
File Reference Number			
Batch Number			
Trace Number			
View Queue Action Accounting Entries			
Maker Id	Checker ID	Authorization Status	P.4
Release Time	Checker Date Stamp		Exit

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.

View Queue Action Log						- x
Enter Query						
Transaction Reference Number				Network Code		
K ◀ 1 Of 1 ► N Go						+ - 8
Transaction Reference Number	Action	Remarks	Queue Code	Authorization Status	Maker Id	Maker Date Stamp
	View Request Message	0		View Respon	nse 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.



2.5.1.4 Accounting Entries

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

Accounting Entrie	ic.							- *
Enter Query	-5							- ~
Litter Query								
Transaction Re	ference Number							
Accounting Entrie	S							
	Go							+ - ==
Event Code	Transaction Date	Value Date	Account	Account Branch	TRN Code	Dr/Cr	Amount lag	Account Curre
Accounting Details								^
5								
								Exit

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.

NACHA Outbound Return Summary					- ×
Search Advanced Search Reset	Clear All				
Case Sensitive					
Original Transaction Reference	Q	Retur	n Reference Number		Q
Customer No	Q		Return Date	YYYY-MM-DD	
Return Reason Code	Q		Originating DFI		Q
Records per page 15 🗸 🔘 ┥ 1 C	Of 1 🕨 📕 🛛 😡	Lock Columns 0 🗸			
Original Transaction Reference	Return Reference Number	Customer No Return Date	Return Reason	Return Reason Code	Return Transaction Code
					Exit

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.

Return Reference Number		Transaction Branch	
Return Date	YYYY-MM-DD	Host Code	
Original Transaction Reference		Network Code	
Return Response			
Return Type	Administrative ¥	Original Transaction Details	
Peturn Reason Code	Administrative	Original Transaction Entry Type V	
Return Reason		SEC Code	
Additional Information		Instruction Date	
Return Transaction Code		Activation Date	
Incoming File Details		Transfer Amount	
File Reference Number		Transfer Currency	
Batch Number		Receiver Account Number	
Trace Number		Customer No	
		Customer Service Model	
		Originator Company Identification	
		Originator Company Name	
		Originating DEI Name	
		Batch Number	
		Trace Number	
External System Status			
Return Status	~		
Queue Code	Nacha Return Queue	×	
Sanction Check Status	Not Applicable 🗸		
Sanction Check Reference			
External Credit Approval Status	Not Applicable 🗸		
xternal Credit Approval Reference			
External Account Check Status	Not Applicable 🐱		
xternal Account Check Reference			

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 <u>Return</u>

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 Action Response Reason Code	~
Response Reason Code	
Deepenso Deepen	
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.

View Queue Action Log						- x
Enter Query						
Transaction Reference Numbe	ſ			Network Code		
K 🚽 1 Of 1 🕨 🛛 😡						+ - 8
Transaction Reference Number	Action	Remarks	Queue Code	Authorization Status	Maker Id	Maker Date Stamp
	View Request Message			View Respon	nse 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.

2.5.2.4 Accounting Entries

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

Accounting Entries	s						- ×
Enter Query							
Transaction Re	ference Number						
Accounting Entrie	s						
< 1 Of 1 ►	Go						+ - =
Event Code	Transaction Date	Value Date	Account	Account Branch	TRN Code Dr/	Cr Amount Tag	Account Curre
Accounting Details							^
							Exit

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 Retur	n Summary						- ×
Search Advanced Se	arch Reset Clear All						
Case Sensitive							
C	Customer No	Q		Netwo	rk Code	Q	
Original Transaction	n Reference	Q	P Return Reference Number P		Q		
Records per page 15 🗸	🖌 < 1 Of 1 🕨	Go Loc	k 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.

Return Reference Number	٥		Transaction Refe	rence Number		٥		Current 5	Status	~	
Match Status	× .		Autho	rization Status		~		Originator Comp	any Id	0	
Customer	o		Customer	Service Model		Q		Standard Entry Class	Code	~	
Entry Type	~			Network Code		Q		Queue Reference Nu	umber	Q	
Receiving DFI	ρ			Return Date		IM-DD		Source Reference Nu	umber	Q	
Transfer Amount	Q		Trar	isfer Currency		Q		Transaction	Action	Q	
Transaction Branch	م		Netwo	ork Type Code		Q					
s per page 15 🗸 🔘 ┥	1 Of 1 > > Go	Lock Columns 0	~								
Return Reference Number	Transaction Reference Number	Current Status	Match Status	Authorization	Status	Originator Company Id	Customer	Customer Service Model	Cutoff Time	Priority Window (in Minutes)	Sta

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

- Return Reference Number
- Transaction Reference Number
- Current Status
- Match 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 Transfer Currency Remarks *	NACHA 🗸	Transaction Reference Number Network Code Entry Type Transaction Type Transfer Amount Queue Status	Credit V Return V	
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 Transfer Currency Remarks ⁴ Dishonor Details Reject Code Reject Reason Addenda Information	R02	Q	Transaction Reference Number Network Code Entry Type Transaction Type Transfer Amount Queue Status Return Date Return Reference	Credit V Returned V		
Maker Id Checker ID			Release Time Checker Date Stamn		Ok	Exit
Authorization Status			energia e no oranip			

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.

Accept Details				- ×
Queue Reference Number Host Code Payment Type Transfer Currency Remarks *	NACHA 🗸	Transaction Reference Number Network Code Entry Type Transaction Type Transfer Amount Queue Status	Credit V Return V	
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:

2.5.3.6 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.

View Queue Action Log						- x
Enter Query						
Transaction Reference Numbe	r			Network Code		
K ◀ 1 0f 1 ► N Go						+ - =
Transaction Reference Number	Action	Remarks	Queue Code	Authorization Status	Maker Id	Maker Date Stamp
View Request Message				View Respon	nse 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.

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.

US NACHA Outbound Reversal				- ×
New Enter Query				
Reverse Reference Number		Transaction Branch		
Reversal Date		Host Code		
Original Outbound Transaction * Reference		Network Code		
Reversal Details		Original Transaction Details		
Reversal Type	Administrative 🗸	Original Transaction EntryType		
Reversal Reson Code *		SEC Code		
Reversal Reason		Transaction Status	~	
Additional Information		Instruction Date		
		Activation Date		
		Transfer Amount		
		Transfer Currency		
		Receiver Account Number		
		Customer No		
		Customer Service Model		
		Batch Number		
		Trace Number		
Dispatch Details				
Dispatch Status	~			
Dispatch Reference Number				
Dispatch Date				
Batch Number				
Trace Number				
Maker Id	Checker ID	Authorization		Oh Eut
Release Time	Checker Date Stamp	Status Record Status		OK Exit



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 the Reason Codes maintained in Reject Code Maintenance (PMDRJMNT) for the NACHA network.

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



Dispatch Details

Following Dispatch field details are:

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

2.5.4.1 NACHA Outbound Reversal Summary

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

NACHA Outbound Reversal Sum	mary					- ×
Search Advanced Search Res	et Clear All					
Case Sensitive						
Instruction Date Criginal Outbound Transaction Reference Reversal Date S) Or	iginal Transaction EntryType		Q	
		>	Transaction Status Reverse Reference Number			
)				Q
SEC Code	٨ د	>				
Records per page 15 🗸 🔘 ┥	1 Of 1 🕨 🎽 🛛 Go	Lock Columns 0 🗸				
Activation Date Additiona	I Information Customer No	Customer Service Model	Dispatch Date Dispat	ch Reference Number	Dispatch Status	Batch N
						Exit

Following details are displayed:

- Instruction Date
- Original Outbound Transaction Reference
- Reversal Date
- SEC Code
- Original Transaction EntryType
- Transaction Status
- Reverse Reference Number

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



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.

NACHA Outbound Reversal View				- >
Enter Query				
Reversal Reference *		Transaction Branch		
Reverse Date		Host Code		
Original Outbound Transaction * Reference		Network Code		
Reversal Response				
Reversal Type	Administrativo ad	Original Transaction Details		
Deveral Decese Code	Administrative	Original Transaction EntryType	ACH Credit 🗸	
Reversal Reason Code		SEC Code		
Additional Information		Transaction Status	In Progress	
Additional Information		Instruction Date		
		Activation Date		
		Transfer Amount		
		Transfer Currency		
		Receiver Account Number		
		Customer No		
		Customer Service Model		
		Batch Number		
		Trace Number		
Reversal Status	*	Dispatch Details		
Queue Code	~	Dispatch Status	Not Applicable 🐱	
Sanctions Chack Status	Ronding M	Dispatch Reference Number		
Caraction Charle Deference	rending +	Dispatch Date		
Sanction Check Reference	Net Are Keels at	Batch Number		
Esternal Cradit encreased Baf	Not Applicable 👻	Trace Number		
External Account Chock Status	Not Applicable at			
External Account Check Reference	Not Applicable 🗸			
View Queue Action Accounting E	ntries			
Maker Id	Checker ID	Record S	status Open 🗸	Exit
Release Time	Checker Date Stamp			

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 <u>Reversal</u>

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 🗸	Evit
Release Time	Checker Date Stamp		LAR

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.

View Queue Action Log						- x	
Enter Query							
Transaction Reference Number			Network Code				
🔣 🚽 1 Of 1 🕨 🛛 😡						+ - =	
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 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.



Accounting Entrie	S							- ×
Enter Query								
Transaction Re	ference Number							
Accounting Entrie	s							
┥ ┥ 1 Of 1 🕨	Go Go							+ - =
Event Code	Transaction Date	Value Date	Account	Account Branch	TRN Code	Dr/Cr	Amount Tag	Account Curre
Accounting Details								^
								Exit

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.

NACHA	Outbound Reversal	View Summary								- ×
Search	Advanced Search	Reset Clear All								
Case Ser	sitive									
	Reversal Reference	3	Q	Original Outbound Tran	saction	Q	File	Reference Number	Q	
	Transaction Status	· ·		Queu	e Code	~		Reversal Status	~	
	Authorization Status	s •								
Records p	er page 15 👻 🔣	◀ 1 Of 1 ► ►	Go Loo	ck Columns 0 🗸						
R	eversal Reference	Original Outbound Transact	ion Reference	Additional Information	Customer No	Customer Service Model	Dispatch Date	Dispatch Reference Number	Dispatch Status	Batch Numb
										T- 2
										Exit

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.

NACHA Inbound Reversal			- ×
Enter Query			
Reversal Reference Number		Transaction Branch	
Reversal Date	YYYY-MM-DD	Host Code	
Original Transaction Reference		Network Code	
Reversal Details		Original Transaction Details	
Reversal Type	Administrative 🗸	Original Transaction EntryType	~
Reversal Reason Code		SEC Code	
Reversal Reason		Instruction Date	
		Activation Date	
Dispatch Details		Transfer Amount	
Dispatch Status		Transfer Currency	
Dispatch Reference Number		Receiver Account Number	
Dispatch Date		Customer No	
Batch Number		Customer Service Model	
Trace Number		Originator Company Identification	
		Originator Company Name	
		Originating DFI	
		Originating DFI Name	
		Batch Number	
		Trace Number	
External System Status			
Reversal Status	~		
Queue Code	~		
Sanction Check Status	~		
Sanction Check Reference			
External Credit Approval Status	~		
External Credit Approval Reference			
View Queue Action Accounting E	ntries		
Maker Id	Checker ID	Authorization Sta	itus E c
Release Time	Checker Date Stamp		Exit

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 <u>Reversal Details</u>

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 <u>View Queue Action Log</u>

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

View Queue Action Log						- ×
Enter Query						
Transaction Reference Numbe	r			Network Code		
K ◀ 1 Of 1 ► N G0						+ - =
Transaction Reference Number	Action	Remarks	Queue Code	Authorization Status	Maker Id	Maker Date Stamp
	View Request Message			View Respon	nse 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.

2.5.6.3 Accounting Entries

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

Accounting Entrie	s							- ×
Enter Query								
Transaction Re	eference Number							
Accounting Entrie	s							
📕 < 1 Of 1 🕨	D Go							+ - ==
Event Code	Transaction Date	Value Date	Account	Account Branch	TRN Code	Dr/Cr	Amount Tag	Account Curre
Accounting Details								^
								Exit

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.

NACHA Inbound Reversal Sum	mary						- ×
Search Advanced Search Re	eset Clear All						
Case Sensitive							
Instruction Da	ate	Q	Origi	nal Transaction EntryType		~	
Original Transaction Referen	ce	Q		Reversal Date	YYYY-MM-DD		
Reversal Reference Numb	ber	Q		Reversal Status		~	
SEC Co	de	Q					
Records per page 15 🗸 🔘 🔺	1 Of 1 🕨	Go Loc	k Columns 0 🗸				
Transaction Branch Ac	tivation Date	Additional Information	Authorization Status	Checker Date Stamp	Checker ID	Customer Service Model	Batch N
							Exit

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.

NACHA Inbound Reversal Queu	e									- ×
Search Advanced Search Res	set Clear All									
Case Sensitive										^
Reversal Reference Number		Q	Transaction Reference Numb	ber	Q	Sour	ce Reference Numb	er	Q	
Queue Reference Number		Q	Company Identificati	on	Q		Receiving D	FI	Q	
Transaction Action		Q	Authorization Stat	us 🗸		Stand	dard Entry Class Coo	de 🗸		
Entry Type		Q	Customer 1	No	Q	Cu	stomer Service Mod	el	Q	
Transaction Branch		Q	Transfer Curren	cy	Q		Transfer Sha	re	Q	
Activation Date	YYYY-MM-DD		Current Stat	us 🗸						-
Records per page 15 V	1 Of 1 🕨 🕅	Go L	ock Columns 0 🗸							
Reversal Reference Numbe	r Transaction Referen	ce Number	Source Reference Number	Queue Reference Number	Comp	any Identification	Receiving DFI	Transaction Action	Authorization Status	Sta
Accept Dishonor Authorize	Delete View Transact	ion View	Queue Action							
										EXIL

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 Host Code Payment Type Transfer Currency <mark>Remarks</mark> *	NACHA 🗸	Transaction Reference Number Network Code Entry Type Transaction Type Transfer Amount	Credit V Return V	
Dishonor Details		Queue Status		
Reject Code		Return Date		
Reject Reason		Return Reference		
Addenda Information				
Maker Id		Release Time		
Checker ID		Checker Date Stamp		Ok Exit
Authorization Status		00000000 10111170		

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	Q	Return Date		
Reject Reason			Return Reference		
Addenda Information					
Maker Id			Release Time		
Checker ID			Checker Date Stamp		Ok Exit
Authorization Status					

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 scree	en by clicking on the Delete button.
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Accept Details				- ×
Queue Reference Number Host Code Payment Type Transfer Currency <mark>Remarks</mark> *	NACHA 🗸	Transaction Reference Number Network Code Entry Type Transaction Type Transfer Amount Queue Status	Credit V Return V	
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

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						- x
Enter Query						
Transaction Reference Numbe	er			Network Code		
🖌 🛋 1 Of 1 🕨 🦳 😡						+ - =
Transaction Reference Number	Action	Remarks	Queue Code	Authorization Status	Maker Id	Maker Date Stamp
	16mr Donned Macrons			16mi Bone	no Honor	
	view request message			view Respu	nise 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.



3. Function ID Glossary

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PMDABANR2-94
PMDCIACC2-12
PMDNACDP2-9
PMDNCHDR2-20, 2-51, 2-86
PMDNCHUP2-22
PMSCIACC2-13
PMSDNLOG 2-93, 2-98, 2-100
PMSINLOG2-96
PMSNACDP2-11
PMSNCHDR2-21
PNDCRPRF2-2
PNDDMAND2-14, 2-19
PNDDRPRF2-7
PNDIDIVW2-85
PNDIDONL2-78, 2-86
PNDIREVW2-126
PNDIRTNV2-107
PNDITONL2-43, 2-51
PNDIVIEW2-50
PNDNWPRF2-5
PNDODONL2-62, 2-69

PNDODOVW	2-69
PNDOREVR	2-117
PNDOREVV	2-120
PNDORTNV	2-101
PNDOTONL2-2	23, 2-32
PNDOVIEW	2-32
PNSCRPRF	2-4
PNSDMAND	2-18
PNSDRPRF	2-9
PNSIDIVW	2-89
PNSIDONL	2-84
PNSINLOG	2-96
PNSIREVW	2-130
PNSIRTNV	2-113
PNSITONL	2-49
PNSNWPRF	2-6
PNSODONL	2-68
PNSODOVW	2-73
PNSOREVV	2-125
PNSORTNV	2-106
PNSOTONL	2-30
PQSNREVQ	2-131
PQSNRTNQ	2-114

