Bulk File Handling User Guide
Oracle Banking Payments
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Bulk File Handling User Guide
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Contents

1. About this Manual

1.1   Introduction

This manual is designed to help you to quickly get familiar with the Oracle Banking Payments Bulk File Handling capability. It takes you through the various stages in processing bulk files with mixed work-load.

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

1.2   Audience

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

Role	Function
Payment Department Operators	Payments Transaction Input functions except Authorization.
Back Office Payment Department Operators	Payments related maintenances/Payment Transaction Input functions except Authorization
Payment Department Officers	Payments Maintenance/ Transaction Authorization
Bank's Financial Controller/ Payment Department Manager	Host level processing related setup for PM module and PM 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 g*ives information on the intended audience. It also lists the various chapters covered in this User Manual*.*
Chapter 2	This chapter helps you to upload and process files received from corporate customers containing bulk payment initiation requests
Chapter 3	*Function ID Glossary* has alphabetical listing of Function/Screen ID's used in the module with page references for quick navigation.

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1.5 <u>Glossary of Icons</u>

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

Icons	Function
✖	Exit
＋	Add row
ー	Delete row
🔍	Option List

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2. Bulk File Processing

Oracle Banking Payments supports processing of bulk files received from corporate customers containing mixed workload in ISO pain.001 format. Payment request can be for any of the following payment types:

- Domestic Low Value Payment (ACH)
- Domestic High Value Payment (RTGS)
- Cross-border Payment
- Book Transfer

You can upload and process files received from corporate customers containing bulk payment initiation requests in pain.001 format. You can maintain customer preferences for bulk file handling. Bulk files are parsed, validated and processed so that payments are forwarded to appropriate Networks.

On processing the batches received in a bulk file, the batch amount is blocked in the debit account upfront. The rejected payments are be reversed individually, once the consolidated debit posting is done.

2.1   Bulk File Maintenances

2.1.1   Batch Processing Preferences

A new maintenance is available for Batch Processing Preferences. This is a Host level maintenance. User can specify the time interval to process a batch, Job Execution intervals and Cutoff time for the Networks here.

You can invoke the 'Batch Processing Preferences Detailed' screen by typing 'PMDBTPRF' 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.

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Specify the following fields:

Host Code

The system displays the Host Code of the logged in branch by default when you click on **New**..

Wait Time for Batch processing (in minutes)

Specify the wait time for the Batch process to get completed.

Post the specified wait time, when the batch is completed, system validates the batch file transactions. Following scenarios are possible post batch processing:

- The transactions that are successfully processed are further sent for liquidation and is split as new batch.
- The transactions that are pending will remain in the Original Consol.All failed/success/ seized transactions are created as a new consol and is processed again based on the interval specified in 'Pending batch Job'.

Batch Duplicate Check Days

This preference is considered while doing the batch level duplicate check of bulk files. Enter the number of days. The duplicate check days is performed after the specified number of days.

If the number of days is maintained as 0, no duplicate check is performed.

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Back Value Allowed Limit Days

Specify the number of allowed days for back value dating, System validates the number of allowed days for back value dating, when backdated request is received in a bulk file.

Note

For Bulk file Processing, Batch is moved to PE Queue, if the requested execution date is back dated more than the limit days allowed.

User can either change the maintenances and proceed or can initiate the batch from PE Queue

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Job Execution Interval in minutes

Pending Batch Job

Specify the Job Execution Interval in minutes for the Pending Batch Job.

System creates new consol for success / failed / seized transactions every 'n' minutes as specified in the 'Pending Batch Job' till the cutoff time specified

This will be done, post Wait time for batch processing is completed

Warehouse Pending Batch Job

Specify the Job Execution Interval in minutes for the Warehouse Pending Batch Job based on which the pending transactions are picked from the warehouse queue.

Note

Warehouse pending batch, are the transactions that are pushed to queue after the breach of cutoff time.The transactions that are approved post cutoff time is also moved to warehouse queue

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Network Code

Specify the Network Code in the multi grid block. Select the specific Network for which the cutoff check happens based on the time interval specified here.

Cutoff Time for Batches

Specify the Cut off time in HH:MM format.

This is the time for Job processing cutoff. After the specified time, any transaction/batch that is approved, will be moved to warehouse Queue and is initiated on next working day.

Network Cutoff

The system displays the Network cutoff time based on the Network Maintenance.

2.1.1.1 Duplicate Check Fields

You can capture Duplicate Check Fields information.

You can invoke the 'Duplicate Check Fields sub-screen in batch Processing Preferences Screen by clicking the "Duplicate Check Fields" link present at the bottom of the screen.

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	Field Name	Field Description	

Ok   Exit
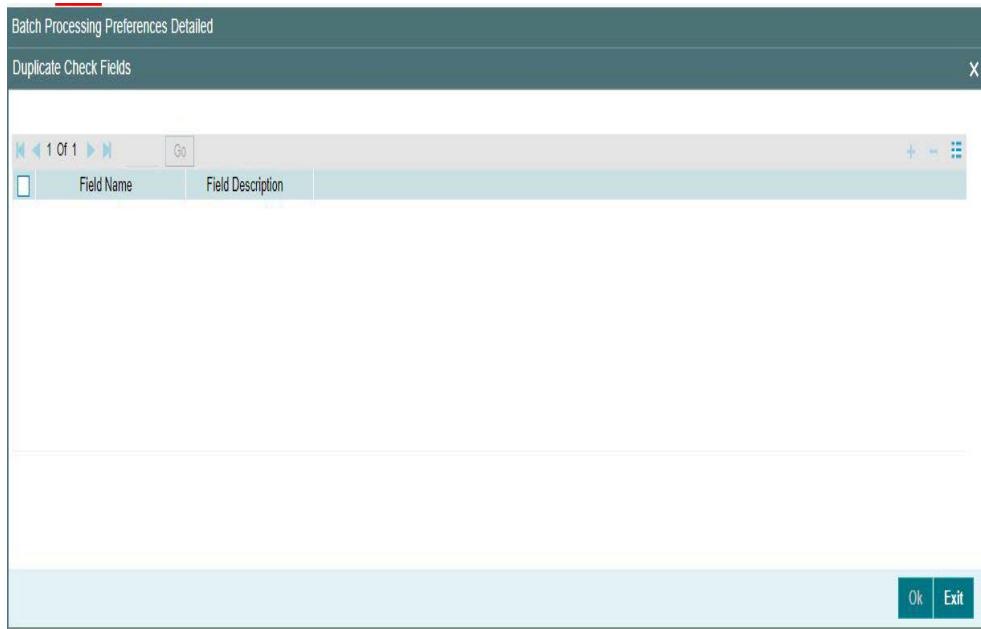
Specify the following details.

Duplicate Check Fields

Field Name

The fields/criterias based on which duplicate check has to be performed for Batch Processing is defined here. System will validate for duplicate transactions for the values defined here.Select the Field Name from the factory shipped values. Following are the List of values available:

- BATCH_ID (Batch ID)
- COMPANY_ID (Company Identification)
- CTRL_SUM (Control Sum)
- DBTR_ACC_CCY (Debtor Account Currency)
- SOURCE_CODE (Source Code)
- TXN_COUNT (Transaction Count)

Description

Description of the Field Name selected is displayed here.

2.1.1.2 Batch Processing Preferences Summary

Batch Processing Preferences maintained in the 'Batch Processing Preferences Detailed' screen can be viewed here.

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You can invoke the "Batch Processing Summary" screen by typing 'PMSBTPRF' in the field at the top right corner of the application toolbar and clicking the adjoining arrow button
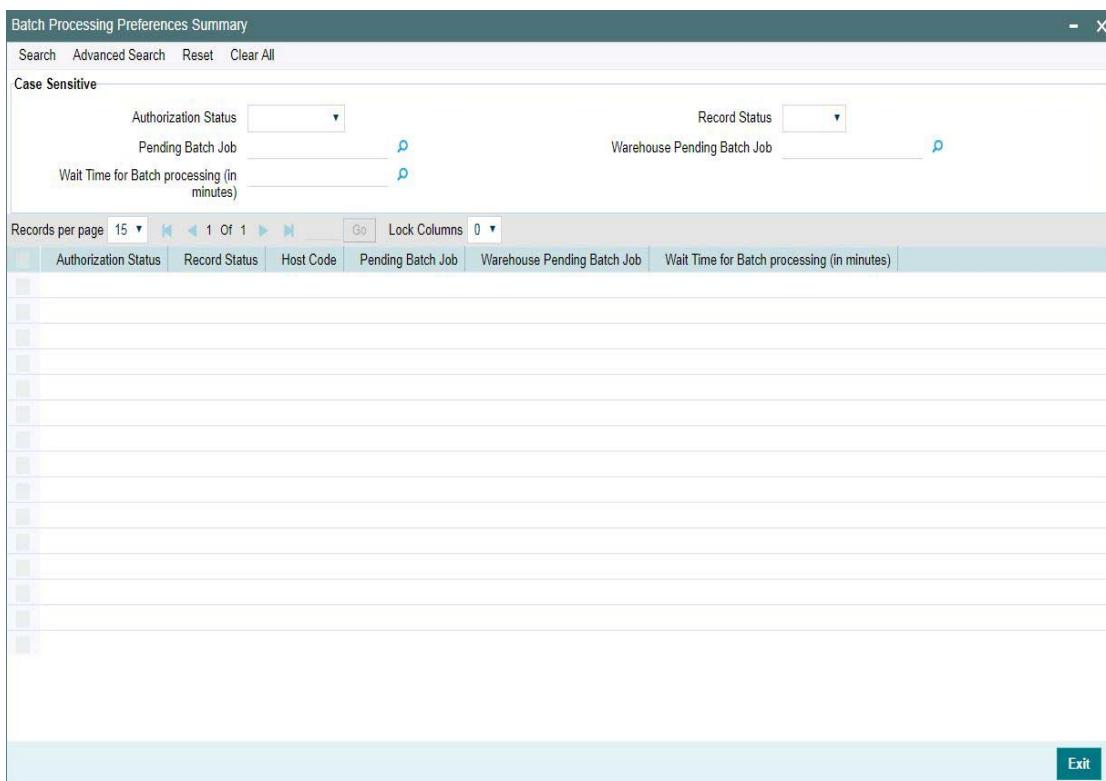
You can click 'Search' button to view all the pending functions. However, you can to filter your search based on any of the following criteria:

- Authorization Status
- Record Status
- Pending Batch Job
- Warehouse Pending Batch Job
- Wait Time for Batch processing (in minutes)

When you click 'Search' button the records matching the specified search criteria are displayed.

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

2.1.2 Payments Seed Job Parameter Detailed

Payments Seed Job Parameters screen can be used to configure Start and End Time for an auto job related to bulk file processing.

You can invoke the 'Payments Seed Job Parameters Detailed" screen by typing 'PMDSJBPR' 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.

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Specify the following fields:

Host Code

The system indicates the user's logged in branch Host when you click on **New**.

Execution Branch

The branch selected in this field will be used for checking the local branch holidays for deriving the next execution date for the job. Any valid branch linked to the Host can be selected.

Job Code

Select the job code from the following list:

- C2B_HYBRID_FUTURE_JOB - Job code for future valued transactions
- C2B_HYBRID_NETWORK_RESOLUTION_JOB - Job code for Network resolution transaction
- C2B_HYBRID_POST_WAIT_PENDING_JOB - Job code for post wait pending job
- C2B_HYBRID_PRE_WAIT_PENDING_JOB - Job code for pre wait pending job

Job Description

This is defaulted based on the selected code.

Job Control

Select from the list of values displayed. Options are - Automatic / Manual.

Start Time

Specify the Start Time for the auto job configured.

End Time

Specify the End Time for the auto job configured.

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Running

System defaults the value as 'N' to indicate if the job is running or not.

2.1.2.1 Payments Auto Job Parameters Summary

You can invoke the 'Payments Seed Job Parameters Summary" screen by typing 'PMSSJBPR' 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.

Payments Seed Job Parameters Summary										– x
Search Advanced Search Reset Clear All										

Case Sensitive

Authorization Status	▼		Record Status	▼	
Execution Branch		🔍	Job Code		🔍
Job Control	▼				

Records per page 15 ▼ |◀ ◀ 1 Of 1 ▶ ▶| Go   Lock Columns 0 ▼

	Authorization Status	Record Status	Execution Branch	Host Code	Job Code	Job Control	Job Description	Start Time	End time	Running
☐										
☐										
☐										
☐										
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Exit
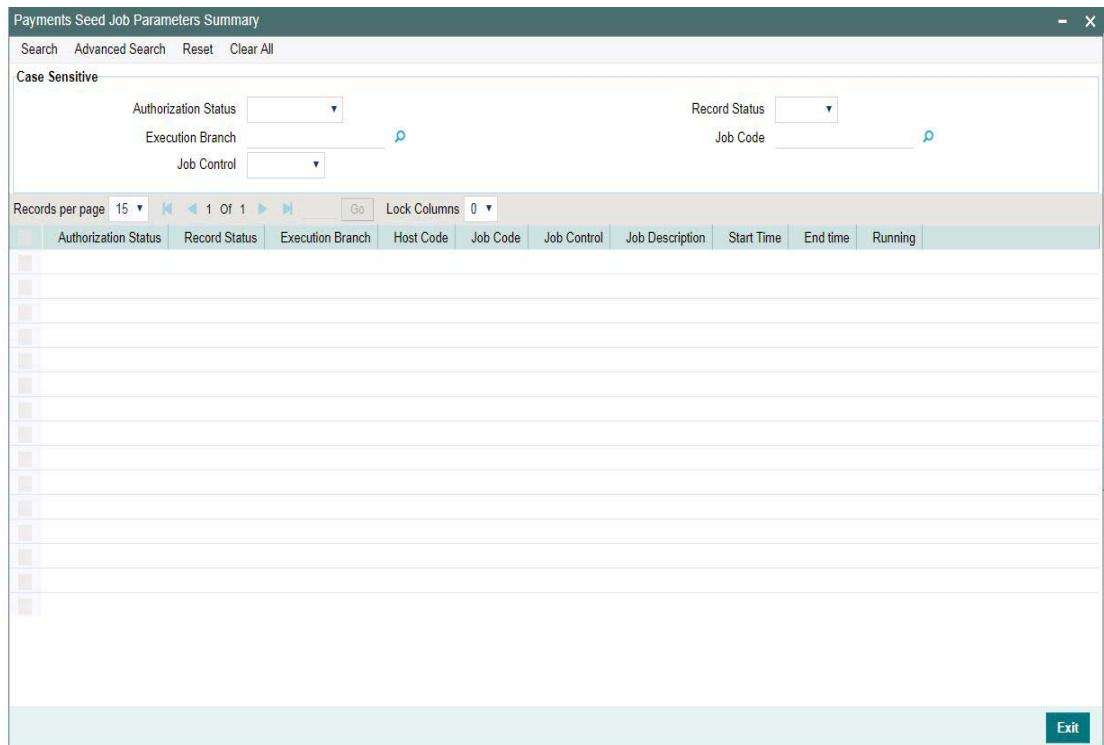
You can search using one or more of the following parameters:

- Authorization Status
- Record Status
- Execution Branch
- Job Code
- Job Control

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

- Authorization Status
- Record Status
- Execution Branch
- Host Code
- Job Code
- Job Control
- Job Description
- Start time
- End Time
- Running

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

2.1.2.2 <u>Other Maintenances</u>

Other common maintenances that are required for Bulk File Handling are as follows:

- File Parameters Detailed (PMDFLPRM)
- Customer Preferences Detailed (PMDFLPRF)
- Network Rule Detailed (PMDNWRLE)
- System Parameters (PMDSYSPM)

Note

C2B_FLOW file path to be specified as H (Hybrid) for C2B Hybrid flow in System Parameters screen.

For more details on these screens, refer to Payments Core User Guide.

2.1.3 <u>pain.002 Reason Code Mapping</u>

You can link the system error codes with the valid reason codes through this screen.This is a common maintenance screen for group / batch / transaction level status.

You can invoke the 'pain.002 Reason Code Mapping' screen by typing 'PMDPNRJT' 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.

You can specify the following details in the fields:

Error Code

Select the Error Code from the list of values that is to be mapped with the Reason code.

Error Description

System defaults the description for the error code selected.

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Reject Code

Select the code from the list of values. ISO reject codes available in External reason codes are listed here.

Reject Reason

System defaults the Reason for the Reject Code selected.

Reason Proprietary

You can specify the proprietary reason, when ISO Code is not selected in Reject Code.In this case, you can specify the proprietary reason. Maximum of 35 characters are allowed to enter.And the Reject Reason can be manually entered.

Note

It is mandatory to provide either reason code or reason proprietary. Both cannot be provided for the same record.

2.2 pain.001 File Processing

2.2.1 pain.001 Batch Processing

- Batches belonging to multiple customers are allowed within the same file.
- pain.001 files to be uploaded are placed in the respective folder (EMS) with a valid format in the respective Host folder
- Batch IDs (the ID received in the tag PaymentInformationIdentification <PmtInfId> of pain.001) provided in the file remains linked to each transaction record till the end of the payment life cycle. It is available as a transaction level information for view and query.
- <MsgID> and <PmtInfId> specified in the file upload is unique and is referred till the job is success.

2.2.1.1 File Handling & parsing

System parses the bulk file received in pain.001 format. Following check are performed, before processing the batches:

- File Format
- Number of transactions (both file level and batch level)
- Control Sum

Control sum as available in the Group header (file level) & PaymentInformation <PmtInf> (batch level) is considered for the check. Since these are optional fields, if the tag is not available for the file / batch, this check will be skipped.

All transactions in a batch should have the same transfer currency. System rejects the file, if this validation fails.

Each batch undergoes the following checks:

- Customer / Debit account status check for statuses which are not overridable:
  - Customer status ->closed, frozen, whereabouts not known or deceased
  - Account status ->closed, blocked or frozen

In case of exceptions/failures batch is moved to process exception (PE) queue. Batch can be reprocessed from the Process Exception queue or can be cancelled.

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- Batch duplicate check:

This will be done based on the following parameters:

- Batch ID, Co ID - Co ID received in the payment request *CstmrCdtTrfInitn / PmtInf / Dbtr / Id / OrgId/Othr/Id/SchmeNm/Prtry(*
- Control sum – the control sum at Batch ID level split by transfer currency .
- Currency pair –The debit account currency and CurrencyOfTransfer <CcyOfTrf> will be considered. If account is provided as IBAN, system will find the corresponding account for fetching the debit account currency.
- Item count –Item count available for Batch ID split by transfer currency

Duplicate days is considered based on the information available in Batch Processing Preferences

- Debit account status check for status which are overridden:

Debit Account Status → Dormant, No Debit

Note

- Batch duplicate check and status check for overridable status will be done as single step and in case of exceptions, transaction will be moved to Business Override Queue.
- The batch can be approved or cancelled from the queue.
- Carry forward action for batches will be restricted for batches from PE/BO Queues.

2.2.1.2 Network Resolution

Network resolution is done for each payment record within a batch for channel type 'C2B'. This is based on the rules defined in Network Rule maintenance 'PMDNWRLE'. Based on the linked payment type, payments are marked as urgent or Non-urgent payments.

Urgent/ Non-urgent Batch

Urgent payments are not processed as batches. Each payment record in the batch is processed as an individual record.

In Urgent payments, transactions for the Network - Cross-Border, High Value Payments and Book Transfer, are processed immediately and all the checks for the individual transactions are done. Upon all the checks and verifications, new transactions are created in the respective networks.

Note

Both current & future dated transactions will be sent for processing. And post SC future dated transactions are moved to Warehousing Queue

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Non –urgent payments such as Domestic Low value Payments,are processed as batches irrespective of the Batch booking tag value in the incoming file.

If the Network resolution fails, the transaction is moved to Network Resolution Queue. From this queue Network ID is provided manually.

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2.2.1.3 Batch Re-grouping

For Batches where Batch booking is applicable, re-grouping of the payment requests are done based on the following parameters:

- Network
- Transfer Currency
- CO ID
- FX reference (if available as part of *CreditTransferTransactionInformation <CdtTrfTxInf>*

New consol reference is generated for each re-grouped batch. Original Batch ID is retained after re-grouping for tracking.

Further processing is done at the re-grouped batch level.

2.2.1.4 Date Resolution & Process cutoff check

The requested execution date for all transactions within a batch is same and this date is considered as the instruction date. Activation date is derived based on the instruction date.

Debit currency / Credit currency / Network holiday checks are applied to Instruction date as applicable for the payment type. Branch holiday check is done on the activation date if the same is applicable for the Network.

After deriving the dates, if the activation date falls on current date, process cut off check is done for the batch based on the cutoff time maintained in Payment Processing Cutoff Time screen(PMDCTOFF).

If cutoff time is over, the request date is moved forward automatically if 'Move Forward after Cutoff Time' flag is checked in customer preferences(PMDFLPRF). Otherwise, the batch moves to Process Cutoff Queue.

Release, cancel options is available for the batch from Process cut off queue.

2.2.1.5 Exchange Rate Fetch & Amount block

For current dated batches, exchange rate fetch is done. Internal rates are fetched for the batch if the batch amount is below the FX limit maintained in customer preferences. If batch transfer currency is different from the limit currency maintained, the batch amount will be converted to limit currency amount using the midrate between the currencies.

If the batch amount is more than limit amount, the batch details are sent for External rate fetch if External Rate fetch is applicable for the customer.When the criteria is not met, it moves to Exchange Rate Queue and carry forward/cancel/retry is manually initiated.

 If FX reference number is available as part of the payment request, the same is sent to external system.

If no FX reference is available in the request and if the FX reference returned by the external system, the same is stored for the batch.

2.2.1.6 Credit Approval Check

The total batch amount along with other payment details is sent to DDA system for Customer/ account validation, balance check and amount block in debit account.

If the amount block is a success, the ECA reference received is stored for the batch and the individual payments in the batch are sent to the payment processor for further processing.

If a batch is released from ECA queue on a later date, rollover preference for queues is applied based on Outbound Non-urgent Payment Preferences maintained for the source, Co-ID and debit account.

The interim/timed-out responses received are moved to ECA Queue and from this queue, we can manually initiate - Resend/Cancel/Carry Forward/ Approve actions.

If cancellation is done, FX unwind request is sent.

2.2.1.7 Payment processing for individual transactions

The following processing steps are completed for each payment:

- Payment validations resulting in Process Exception, Repair or Business Override

Since the status validations for customer/debit account are already done at batch level, this is not be repeated again while processing individual transactions for current dated batches. For book transfers, credit account status validations are done.

- Sanction Check

It is possible to process sanction seizure for an individual transaction. Credit accounting will be to seizure GL in such cases. Messaging is not be applicable.

- Charge calculation

If a charge account is provided in the payment request the same is used for debiting the charges. If not available in the request the charge claim account maintained in customer preferences PMDFLPRF is used as debit amount for charges. If no preference is available transaction debit account is the charge account as well.

No amount block is done for charge accounting. Charges are force posted.

- EAC check for credit accounts in Book Transfers

The individual payment processing completion updates status of payment as one of the following:

- – Success - All processing steps listed above are completed
- – Cancelled - Payment is cancelled from any of the exception queue
- – Seized - Sanction seizure applied to the payment
- – Pending - Payment is pending in an exception queue

2.2.2 Batch Processing of transactions

- A batch is closed and Network cutoff check/ accounting are done if
  - – All transactions are processed successfully

OR

- – Processing preferences is completed ahead of Host network cutoff or completion of the wait time configured in Batch
- For example, a file is received at 10 a.m. and another file at 2.30.p.m. Wait time for Batch Processing maintained is 2 hours and Host network cutoff is @3.45
  - – If all transactions are not processed successfully for the first file, @ 12.p.m, system segregates the successful transactions from the parent batch and creates a child

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batch. This batch of successful transactions are processed further. The pending transactions remain in the original batch.

– For the second batch wait time ends at 4.30 p.m. Since the Host network cutoff is earlier to this, the segregation of successful transactions to a new batch happens at 3.45.

2.2.2.1 Batch processing of Successful transactions

● If all transactions shows 'Success' status, Network cutoff is checked for the batch based on the time maintained in Network maintenance (PMDNWMNT).

● If cutoff time is over, the payment is moved to Network Cutoff Queue. Force release, Cancel & carry forward actions is possible from Network Cutoff queue.

● If a batch is cancelled from Network Cutoff queue, unwind requests for FX and ECA are sent.

● Debit accounting is applicable for successfully completed transactions only. Consolidated/Itemsised entries are posted based on Batch booking tag value or Non-Urgent preferences mainatained.

The debit amount and entries posted will be consolidated if

– Batch Booking tag value in the incoming file for the Batch ID is 'True'

OR

– If Batch Booking tag is not available for the Batch ID, in the Non urgent payment preferences, 'Batch debit accounting' field value set as 'Consolidated'.

The debit amount and entries posted will be Itemised if

● Individual debit entries are posted if Batch Booking tag in the file for the Batch ID is set as 'False' or if the tag is not available for the Batch ID, then in the Non urgent payment preferences, 'Batch debit accounting' field value set as 'Itemized'.

● Credit amount is always be passed for accounting as consolidated batch amount irrespective of the debit accounting preference.

● ECA reference is mentioned for the consolidated debit amount / transaction debit amount only. Charges are sent with Force Post flag as 'Yes'.

● On completion of accounting the transactions are released from batch for messaging and dispatch file generation.

2.2.2.2 Pending transactions

Whenever successful transactions are sent for processing generating a new batch, the pending transactions will remain in the original batch.

The pending batch will be checked again for successful transactions at regular intervals. This will be achieved by configuring a job which can be run at pre-defined intervals. The time interval can be set in minutes.

The check for successful transactions will continue till the Host Network cutoff time is reached.

● If pending transactions are remaining in the batch even after reaching the Host network cutoff time, the batch is carried forwarded to next business day.

– The pending transactions in the batch is triggered every 'n ' minutes as maintained in Batch Processing Preferences(PMDBTPRF). This process continues till the Network Cutoff is reached.

● And the transactions that are still pending/ approved after network cutoff is moved to Warehousing queue.

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- Processing of carried forward batches is explained under the section Future dated batch processing.

2.2.2.3 Rejected transactions handling

For each cancelled transaction, FX unwind request and Amount block reversal request is sent immediately on cancellation. This is processed at individual transaction level.

Every cancelled transaction for current date within a consolidation batch is part of the same reject batch. This reject batch form a place holder for all cancelled transactions, though processing is not batch -wise.

2.2.2.4 Seized transactions handling

If any transaction is moved to 'Seized' status from Sanction Queue during individual processing, a separate seized batch is created. Every seized transaction for current date within a consolidation batch is part of the same seized batch.

- The processing of a seized transaction is at individual transaction level. Accounting is posted debiting the customer account and crediting the seizure GL, if applicable.

2.2.3 Future Dated Batch Processing

Future dated batches are processed till sanction check on booking date itself. On value date, based on booking date processing, a separate batch is created for successful transactions. This batch is considered for value date processing.

Re-grouping of the pending/success/rejected batches are done. Then FX and amount block are done and transactions are sent for individual payment processing. The rest of the process flow remains same like a current dated batch.

The new job runs in regular intervals re-checking the transaction status of the transactions in the pending batches. The monitoring interval can be configured in minutes in Payments Auto Job Parameters (PMDSJBPR) based on the Pre wait/ Post wait job.

Note

For carried forward batches it is required to be checked whether FX or ECA is already done. If done, the undo request for old amount will be included in the new request sent on value date.

2.2.4 Corporate File Browser

Corporate File Browser Screen is provided for users to view all the received pain.001 files. Batch IDs received in the file are stored for each batch processed and is available as a transaction level information for view and query.

You can invoke the 'Corporate File Browser' screen by typing 'PMDUPDST' 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.

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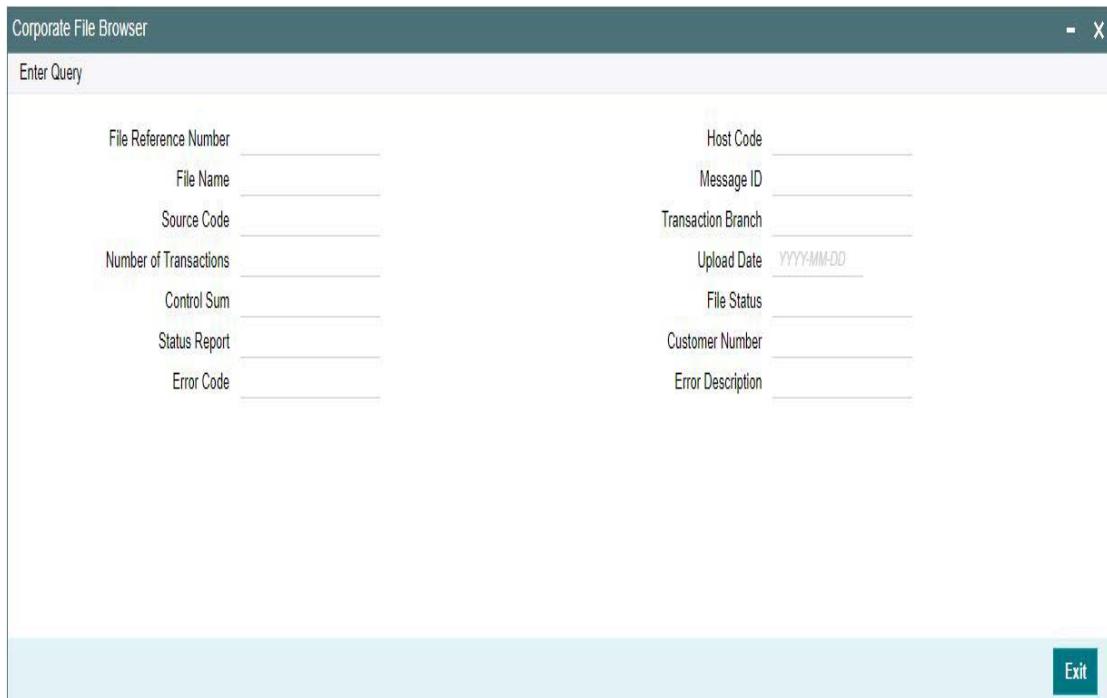
Query the details by entering the File Reference Number.The file details are displayed by the system on executing the query.

- Host Code
- File Name
- Message ID
- Source Code
- Transaction Branch
- Number of Transactions
- Upload Date
- Control Sum
- File status –Accepted/Rejected
- Status Report-pain.002 generated/dispatched
- Customer Number
- Error Code
- Error Description

2.2.4.1 Viewing Corporate File Browser Summary

You can invoke the 'Corporate File Browser Summary' screen by typing 'PMSUPDST' 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.

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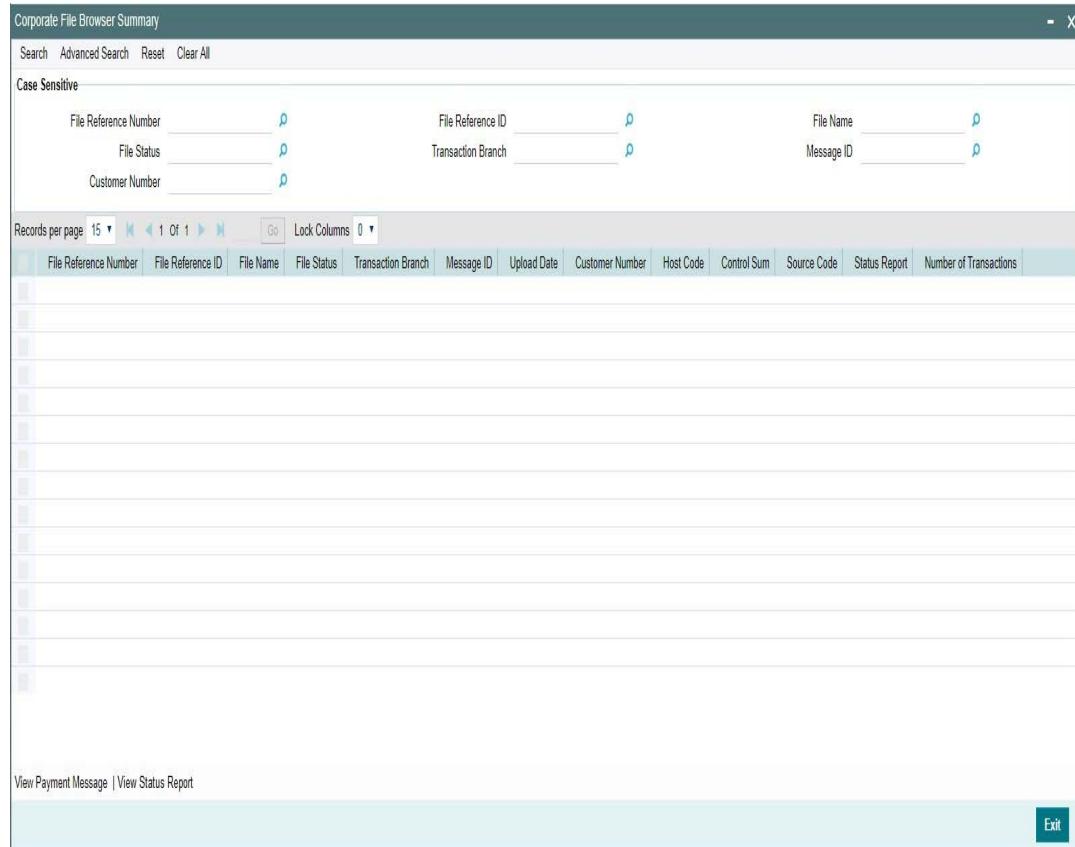
You can click 'Search' button to view all the pending functions. However, you can to filter your search based on any of the following criteria:

- File Reference Number
- File Reference ID
- File Name
- File Status
- Transaction Branch
- Message ID
- Customer Number

When you click 'Search' button the records matching the specified search criteria are displayed. For each record fetched by the system based on your query criteria, the following details are displayed:

- File Reference Number
- File Reference ID
- File Name
- File Status
- Transaction Branch
- Message ID
- Upload Date
- Customer Number
- Host Code
- Control Sum

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- Source Code
- Status Report
- Number of Transactions

Action Buttons

View Payment Message

You can invoke the screen by clicking ' View Payments Message' action button in Corporate File Browser Summary screen.
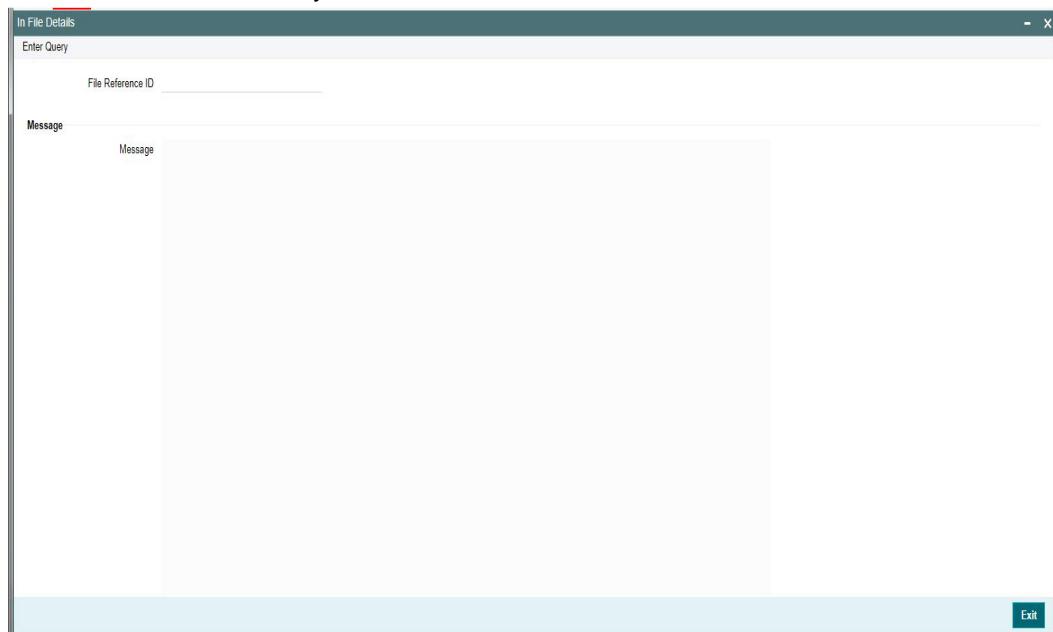
You can select a record in the Corporate File Browser Summary' screen 'PMSUPDST' and click on View Payment message button to view the message details.

View Status Report

You can invoke the screen by clicking ' View Status Report' action button in Corporate File Browser Summary screen.

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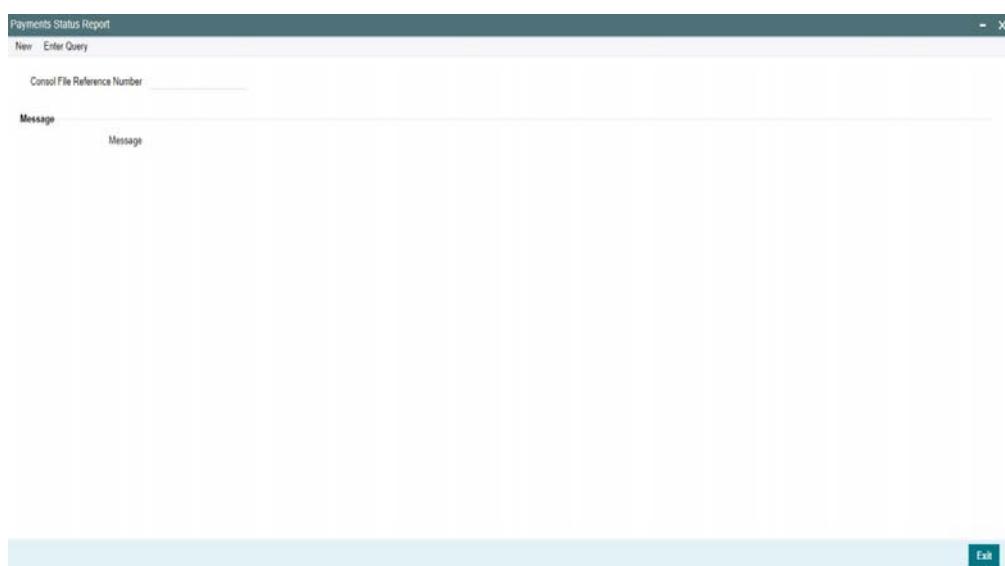
User can select a record in the Corporate File Browser Summary' screen 'PMSUPDST' and click on View Status Report button to view status of the Pain.001 files and its details.

Also user can keying the Consol File Reference Number and verify the details.

2.2.5 **Batch Booking Browser**

You can view the batches received in a file in this screen. Also, you can view all the linked Consol batches by selecting a particular batch.

You can invoke the 'Batch Booking Browser Detailed' screen by typing 'PMDBATBR' 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.

Input a valid File Reference Number and click on Execute Query. System defaults all the details pertaining to the batches and Consol.batches. Following are the details displayed:

- Host Code
- Transaction Branch
- File Reference Number

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- File Name (Name of the pain.001 file uploaded)
- Message ID (Is a unique ID for all the batches)
- Source
- Received Date
- Process Status (Displays the Process status for all the batches)
- Error Code
- Error Parameter

Batch Details

Batch Ref Number

Displays the Batch Ref number for the multiple batches created

Batch ID

Displays the unique Batch ID given in the pain.001 file before processing.

No of Transactions

Displays the no of transactions specified in each batch.

Control Sum

Displays the sum of transaction amount for the no of transactions specified in each batch

Transaction Type

Displays the type of transaction as - Debit/Credit

Requested Execution Date

Displays the date of execution date and it is the current date and its the date provided in <ReqdExctnDt>tag of pain001

Also the following details are displayed in the Batch Details grid:

- Batch Status
- Queue Code
- Network Resolution Status
- Co ID
- Customer No
- Debit Account
- Debit Account Branch
- Debit Account Currency
- Error Code
- Error Description

Consol Details

Following are the details displayed in the Consol Details grid:

- File Consol Ref No
- Consol Status (If the consol is success/cancelled/seized/moved to queue/Future dated)
- Queue Code
- Exchange Rate Status
- DRLQ Status (Debit Liquidation Status)
- CRLQ (Credit Liquidation Status)

- ECA Status (Credit Approval Status)
- Post Cutoff
- Debit Currency
- Total Debit Amount (sum of the transactions in the consol)
- Exchange Rate
- Payment Category (If its urgent/non-urgent)
- Payment Type (displays the respective payment types)
- Process Date
- FX Reference
- Network Code
- Error Code
- Error Description

Following view actions can be performed from this screen:

2.2.5.1 View Batch Payments

You can view all the transactions in that batch and the selected consol by clicking the ' View Batch Payments' action tab present in the screen. All the details pertaining to that transaction can be viewed.
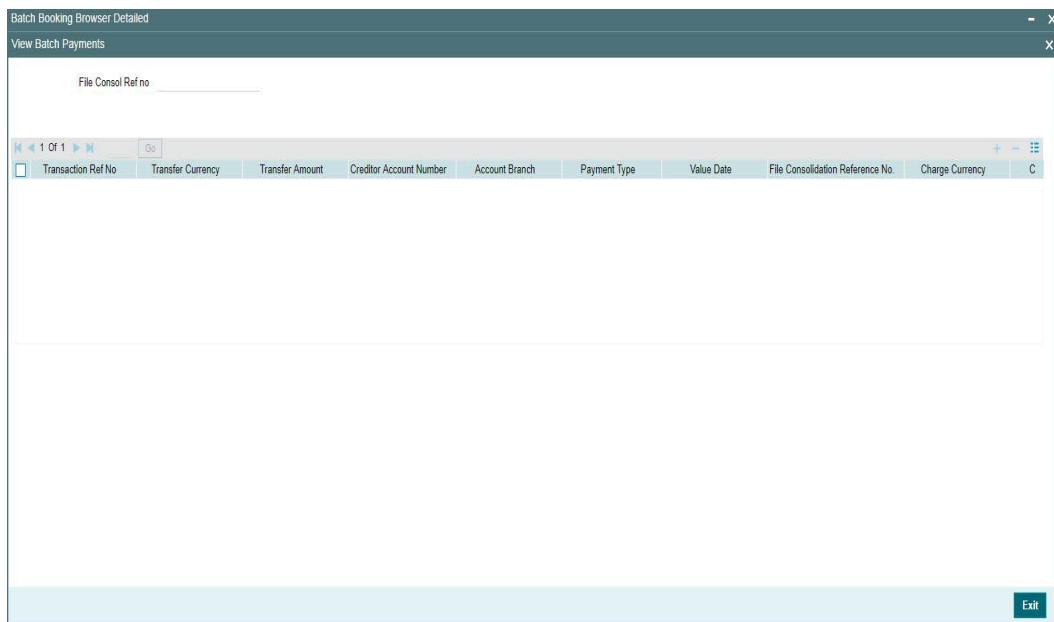
2.2.5.2 View Accounting Entries

You can view the accounting entries for the selected Consol by clicking the ' View Accounting Entries' action tab present in the screen. Entries can either be consolidated or Itemised based on the preferences defined in the pain.001 file.

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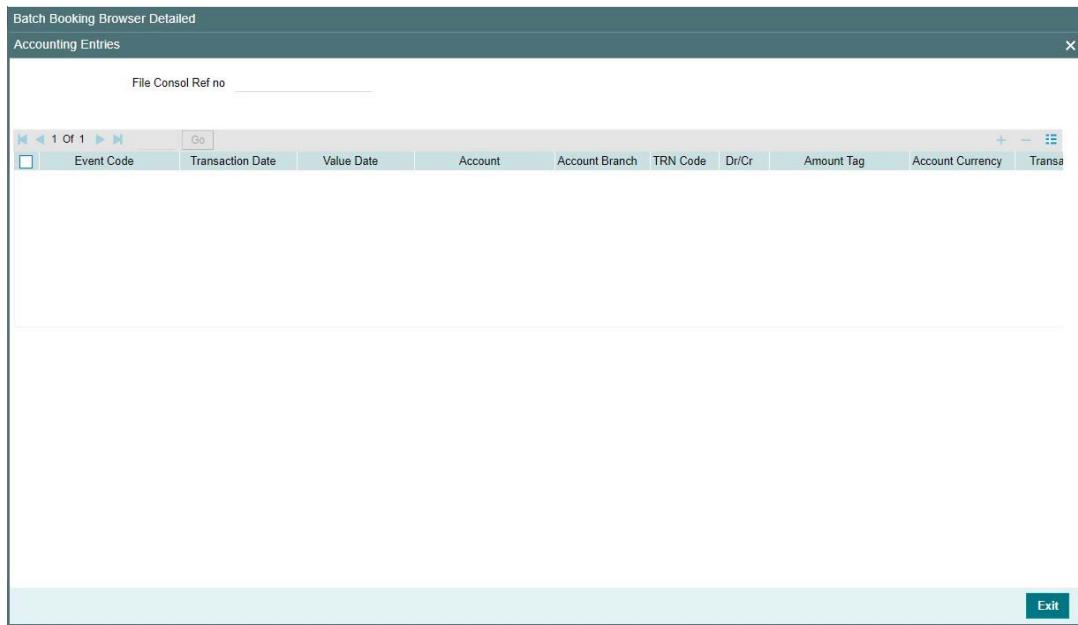
2.2.5.3 View Batch Queue Action Log

You can view all the queue actions for the selected batch by clicking the ' View Batch Queue Action Log' action tab present in the screen
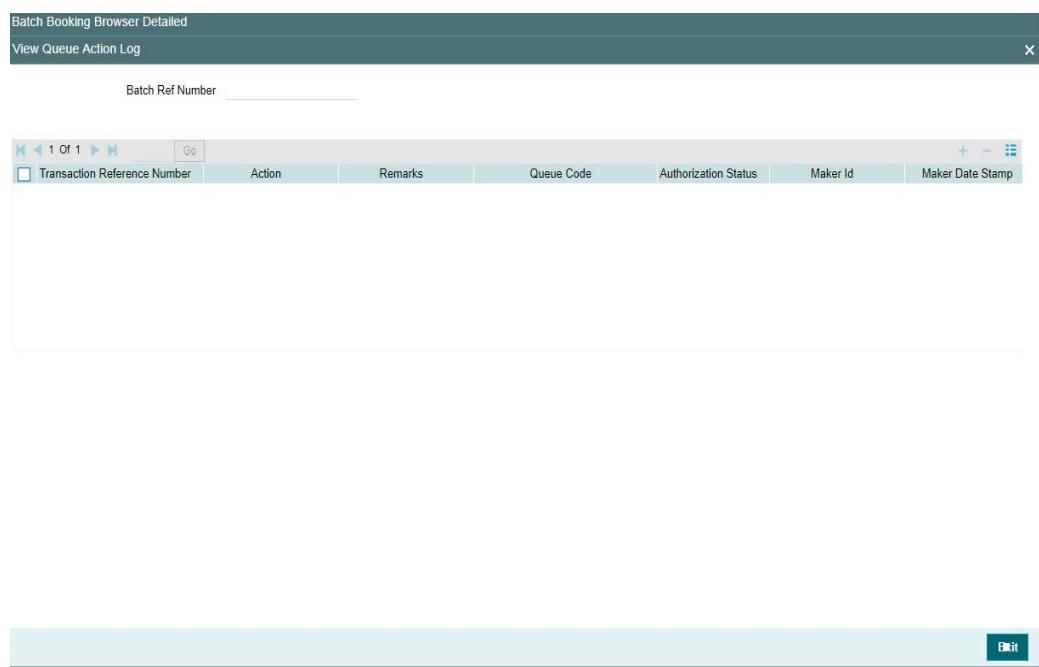
2.2.5.4 View Consol Queue Action Log

You can view all the queue actions for the selected Consol by clicking the ' View Consol Queue Action Log' action tab present in the screen.

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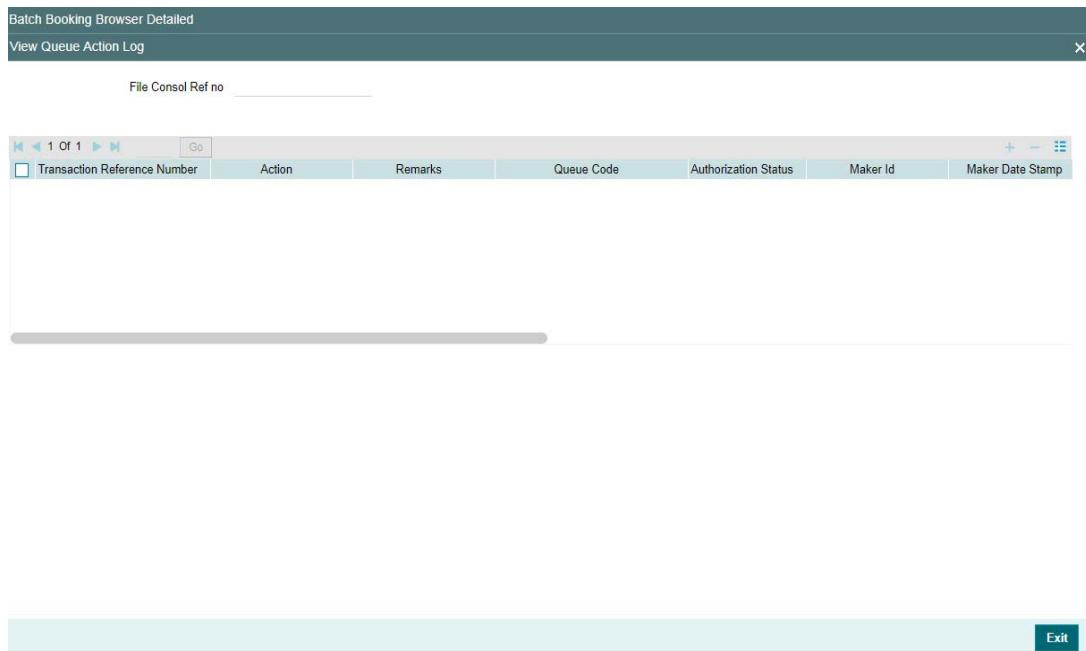
2.2.5.5 View Batch Cancellation Details

You can view all the cancelled transactions and its details for the batch, by clicking the ' View Batch Cancellation details' action tab present in the screen.

Also, you can view the batch cancellations uploaded through pain.007 file in this screen.
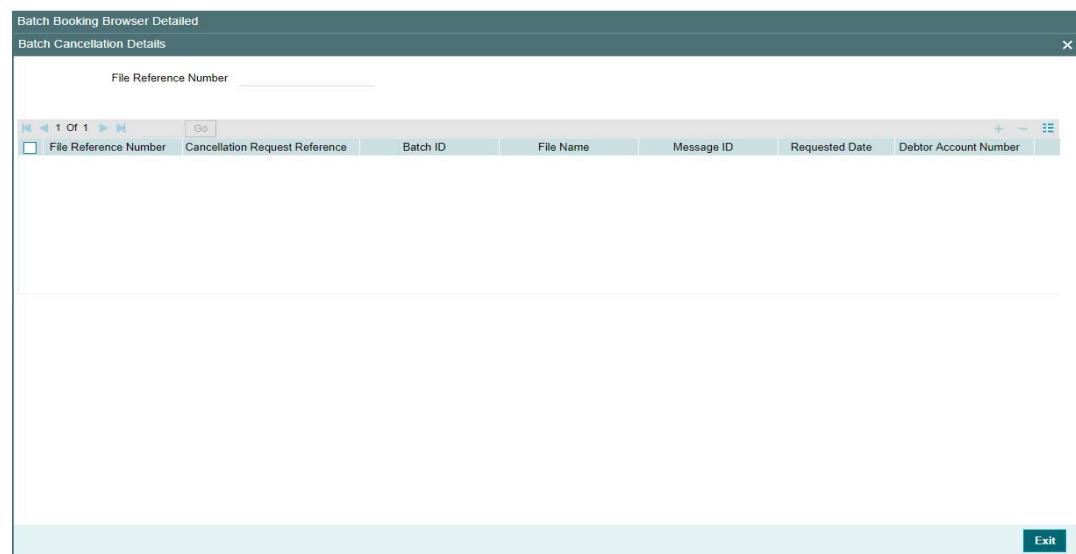
2.2.5.6 Batch Booking Browser Summary

You can view all the Batch Booking browser summary through this screen.

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You can invoke ' Batch Booking Browser Summary ' screen by typing 'PMSBATBR' 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.

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

- File Reference Number
- File Name
- Transaction Branch
- Message ID
- Process Status
- File Consolidation Status

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

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

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2.2.5.7 Pain Generation

You can manually generate pain.002 files for the records listed in Batch Booking Browser Summary screen by clicking the 'Pain Generation' button.
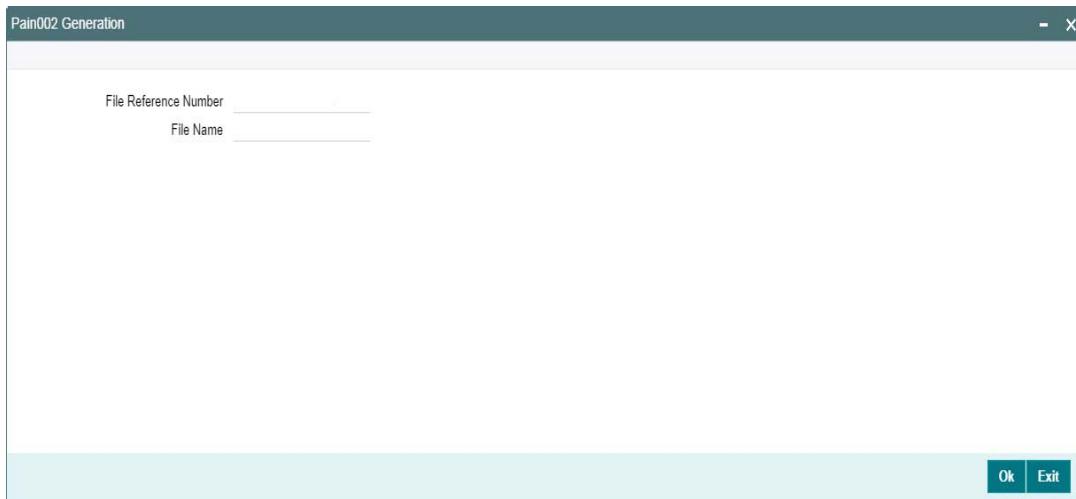
Generated file details are displayed here.

- Irrespective of the pain.002 generation level, i.e File level (L1), Batch +Transaction (L2) level or R-transaction (L3) level, auto generation of pain.002 is job based. A new job is provided which can be configured to run after regular host level batch cutoff so that the file level processing status can be sent to the customer.

- This is done on the date of file processing. If any R-transaction is initiated for one or more of the transactions which are part of the file, then too pain.002 message will be generated for the file.

- The pain.002 file is generated if the initiating party (if not available, debit account customer) has preferred for auto file generation.

- The file and batch level statuses are deduced while pain.002 message is generated.

2.2.5.8 View pain.002

You can view the pain.002 files generated both automatically and manually here by clicking the 'View pain.002 button'.

pain.002 files that are generated automatically based on the preferences maintained in the Customer Preference Detailed screen (PMDFLPRF) can be viewed here.This is applicable only for L3 transactions.

And the files generated manually through Pain generation in Batch Booking Browser Summary screen (PMSBATBR) screen is also listed here.

System launches the 'pain.002 Acknowledgement Browser' screen on clicking the 'View pain.002' action button in PMSBATBR screen.

You can also invoke the 'pain.002 Acknowledgement Browser' screen by typing 'PMSACKBR' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

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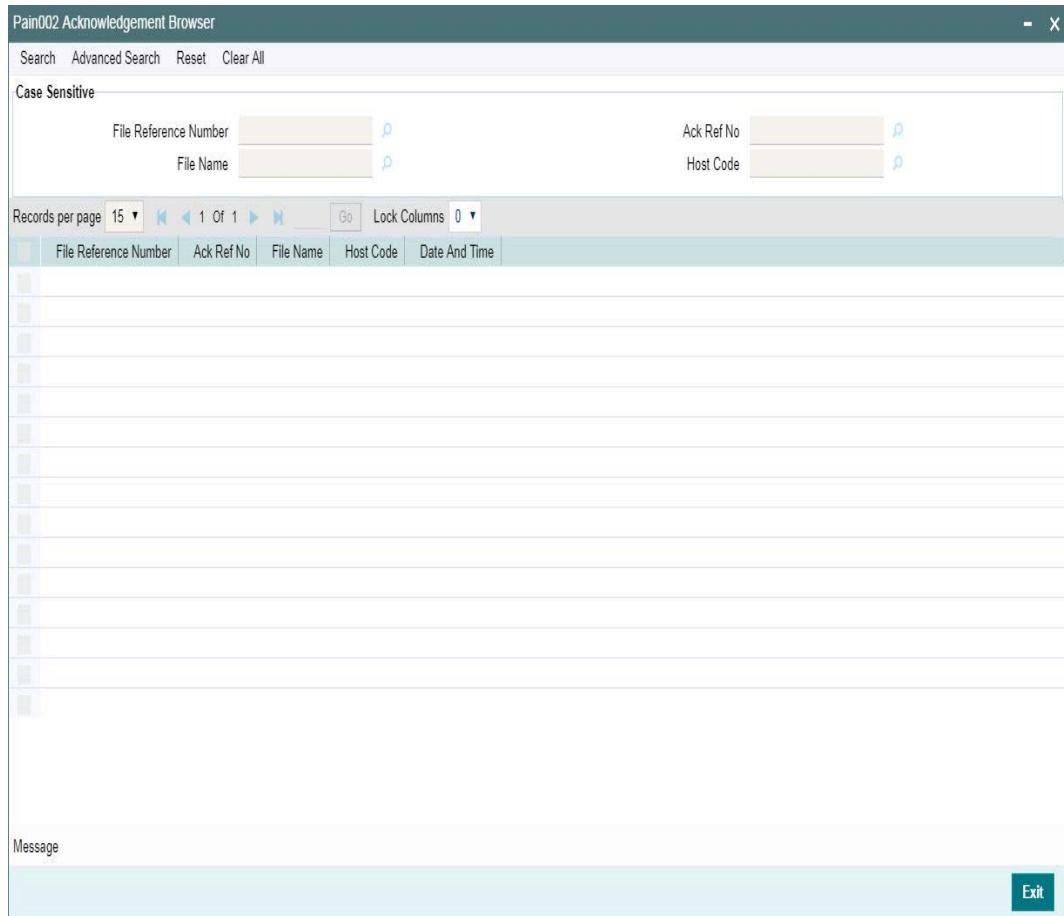
From the records listed, you can select a file and click on 'Message' action button to view the pain.002 message details.

ORACLE
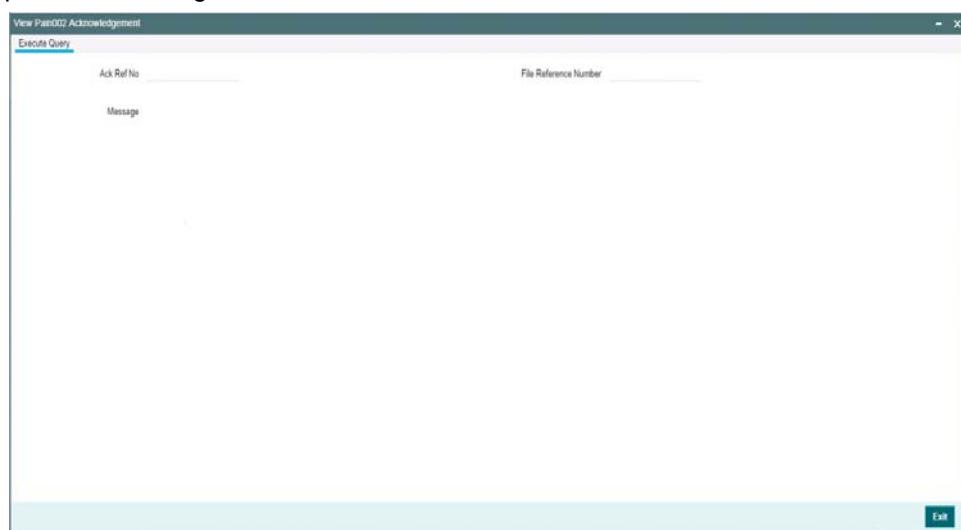
2.3 Status Reports

You can generate customer payment status report pain.002 at the end of batch/file processing giving the current status for payment processing (e.g., reject, repair, passed STP, etc.). It is required to generate this report immediately post-processing and at any point thereafter.

2.3.1 File Level Status Report (L1)

- If the file is rejected due to format issues or the control sum being wrong, pain.002 will be generated for the file rejected status.
- The list of fields which will be populated for pain.002 message is detailed in the excel sheet in Appendix.
- Group Status
  - Status will be populated as RJCT (Rejected).Individual batch/payment information will not be populated.
- StatusReasonInformation –Reason Code
  - For the group status level reason code, the following error-codes will be listed:

Exception scenario	Error code	Status level
Invalid File Format		Group
Invalid Controlsum		Group
Any other error		Group

Note

Status Reason Information tag will not be populated in pain.002 if the reason code mapping is not found for the exception. The system will not fail the message generation for this reason.

2.3.2 Branch/Transaction Level Status Report (L2)

Generation of batch level pain.002 status reports are done in the following cases:

- All transactions in the batch are completed processing
- All success **(Case 1)**
  - PaymentInformationStatus <PmtInfSts> is populated as ACSC - Settlement on the debtor's account has been completed.
  - Reason code is not applicable
  - Transaction level details are not populated
- All transaction are future valued (**Case2**)
  - PaymentInformationStatus <PmtInfSts> is populated as PEND - Settlement on the debtor's account has been completed.
  - Reason code is not applicable
  - Transaction level details is not populated
- All cancelled or rejected (**Case3**)
  - PaymentInformationStatus <PmtInfSts> is populated as RJCT - Payment initiation or individual transaction included in the payment initiation has been rejected.
  - PaymentInformationStatus <PmtInfSts> StatusReasonInformation <StsRsnInf> is populated for the batch.

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- PaymentInformationStatus <PmtInfSts> StatusReasonInformation <StsRsnInf> is populated for the batch
- Partly success, rest are rejected/cancelled/pending   (**Case4**)
  - PaymentInformationStatus <PmtInfSts> is populated as PART- A number of transactions have been accepted, whereas another number of transactions have not yet achieved 'accepted' status.
  - PaymentInformationStatus <PmtInfSts> StatusReasonInformation <StsRsnInf> is not populated for the batch
  - Number of transactions and transaction status is populated at payment information level.
  - TransactionStatus <TxSts> & StatusReasonInformation <StsRsnInf> will be populated for rejected transactions .Reason code population is based on the error code mapping.
- For Case1, 2 & 3 listed above, transaction level details are not populated in pain.002. Batch level reason code is applicable for case 3.
- A batch can be cancelled as a result of a cancellation request received or can be rejected manually from the exception queues due to the following validation failures.:

Batch Exception scenario	Error code	Status level
Invalid debtor account (on cancellation from BO queue due to customer/account status validations)		Payment Information
Duplicate Payment Information ID ((on cancellation from BO queue due to duplicate check)		Payment Information
If cancelled from ECA queue		Payment Information
FX queue cancellation		Payment Information
Batch cancellation based on customer request		Payment Information

- For case 4 transaction level details of the rejected/cancelled transaction and the reason code will be populated.

Exception scenario	Error code	Status level
Invalid debtor account (on cancellation from BO queue due to customer/account status validations)		Transaction Status
Transaction Duplicate check		Transaction status
If cancelled from ECA queue		Transaction status
FX queue cancellation		Transaction status
transaction cancellation based on customer request		Transaction status

- If no linkage to reason code is found, no reason details are populated.

2.3.3   R-Transaction Status Report (L3)

This report is generated as a last step of processing the following R-Transactions:

- SCT return of outward transaction
- SCT positive/negative response to recall of outward transaction

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Note

R transaction related status reason codes are taken as is from the transaction and whether ISO reason code or not, it is validated from existing Reject code maintenance PM-DRJMNT.

2.4 Batch Cancellation

User can send cancellation request for a batch that is part of the Bulk File that is processed through this screen.

Also the Batch cancellation requests uploaded as pain.007 file through 'File Envelope Upload' screen (PMDFLEVP).

You can invoke ' Batch Cancellation Detailed ' screen by typing 'PMDBATCL' 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.

You can specify the following details:

Host Code

System defaults the Host Code that is linked to the logged in branch.

File Name

Select the File Name from the list of values. Also user can select the file by querying with File Name, File Reference and Message ID.

File Reference Number & Message ID

System defaults the details for File Reference Number and Message ID upon selecting the File Name.

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Cancellation Request Reference

System generates the Cancellation Request Reference on clicking 'New' button.

Requested Date

System defaults the Requested Date as Current Date. The date cannot be modified and is disabled.

Source Code

System defaults the Source Code as MANL, when the request is input from the UI.

Note

For Webservices, the external source code from which the request is received is populated.

Source Reference Number

This field is null and disabled for the requests input through UI and for the requests received through webservices, Source Reference Number is mandatory and gets defaulted.

Batch ID

Select the Batch ID, that is to be marked for cancellation from the list of values.All the Batch IDs linked to the file name selected, which are not cancelled or marked for cancellation can be selected from the list.

Note

- List of values can be queried using the fields Batch ID, Debit Account, Batch Total and Total Number of Payments.
- It is mandatory to select minimum one Batch ID for the request to get saved.

Debtor Account Number

System defaults the Debtor Account Number on selecting the Batch ID.

Batch Total

System defaults the Batch Total amount on selecting the Batch ID.

Total Number of Payments

System defaults the Total number of payments on selecting the Batch ID.

Reason Code

Select a valid Reason Code for Batch cancellation from the list of values available.

Reason Description

System defaults the Reason Description for the Reason Code selected.

Reason Proprietary

You can input free text in this field upto 35 characters.

<u>Saving of Batch Cancellation</u>

System validates that no other cancellation request record is pending for authorization for the same file upon saving the details.Also the following validations are done upon Saving.

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- If the batch has completed processing of some of the regrouped batches wherein the related transactions have completed messaging/dispatch, such batches are not be considered for cancellation.
- System validates at various stages of batch processing whether the cancellation request is received. If yes, the cancellation of the batch is initiated.

Accounting Entries

When a batch is marked as cancelled, system reverses all the accounting entries posted for every individual transaction in the batch. The reversed entries are posted with '-' sign as prefix with the amount reversed.

2.4.1 Batch Cancellation Checks

The related processing of cancellation is explained in the below table depending on the processing stage at which the request is received:

Batch Cancellation Check	Resultant system action
On successfully completing debit account validations which are not overridable. OR On releasing the batch from PE queue	Check whether batch is marked for cancellation. If yes, mark the batch as cancelled.
After successfully completing overridable exceptions OR On releasing the batch from BO queue	
On completion of network resolution OR On releasing the batch from Network resolution queue	Check whether batch is marked for cancellation. If yes, mark each transaction record as cancelled.
On segregating urgent and non-urgent payments, the non-urgent payment batches will be checked for batch cancellation	Check whether batch is marked for cancellation. If yes, mark the Consol batch as cancelled. Note: Consol batch is the batch created after re-grouping
After holiday check & processing date derivation of non-urgent batches	
On completion of FX rate fetch for non-urgent batches OR On release of batch from FX queues	Check whether batch is marked for cancellation. If yes, mark the Consol batch as cancelled. Request for FX unwind will be sent.
On completion of amount block for debit amount for non-urgent batches OR On release of the batch from ECA queue	Check whether batch cancellation request received. If yes, mark the Consol batch as cancelled. Requests for FX & ECA unwind will be sent.

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Individual payment processing of Non urgent transactions completed last stage of individual payment processing	Check whether batch cancellation request received. If yes, mark each transaction record as cancelled. Requests for FX & ECA unwind will be sent transaction-wise, if already done.
Before Network cutoff check of a success batch	Check whether batch cancellation request received. If yes, mark the Consol batch as cancelled. Requests for FX & ECA unwind will be sent. Transaction records of the Consol Batch will be marked as cancelled.
On completion of network cutoff check	
Before doing accounting handoff	
Before doing dispatch	Check whether batch cancellation request received. If yes, mark each transaction record as cancelled. Requests for FX & ECA unwind will be sent transaction-wise .Accounting entries will be reversed.
When successful transactions of a future dated batch is sent for value date processing	Check whether batch cancellation request received. If yes, mark the batch and the related payment records as cancelled.
When successful transactions of a carried forward batch is sent for value date processing	Check whether batch cancellation request received. If yes, mark the batch and related payment records as cancelled. Requests for FX & ECA unwind will be sent.
When Urgent payment processing (individual)completed each stage or is released from an exception queue	Check whether batch cancellation request received. If yes, mark each transaction record as cancelled. Requests for FX & ECA unwind will be sent transaction-wise, if already done.
Transaction processing is completed with dispatch for a batch/consol batch	Cancellation will not be applicable

2.4.2 Batch Cancellation Summary

You can view all the Batch Cancellations summary through this screen.

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You can invoke ' Batch Cancellation Summary ' screen by typing 'PMSBATCL' 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.

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

- Authorization Status
- Cancellation Request Reference
- File Reference Number
- File Name
- Message ID
- Cancellation Status
- Requested Date
- Source Code
- Source Reference Number

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

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

2.4.3 pain.007 File Processing

User can initiate batch cancellation through file upload as well. pain.007.001.06 file with cancellation details is uploaded through File Envelope Upload screen (PMDFLEVP) by placing the file in a specified path.

The files uploaded gets displayed in the Batch Booking Browser screen (PMDBATBR)

Batch Cancellation through file upload, will be validated based on the following parameters:

Cancellation of all Transactions in a batch

If all the transactions in a batch has to be cancelled then, following parameters to be specified

- <PmtInfRvsl> is 'True'. Then all the transactions in a batch are marked as cancelled
- <NbOfTxs> is the number of transactions. This is specified as '0' since all the transactions are cancelled.
- Along with this, the key parameters <OrgnlPmtInfId> and <OrgnlMsgId> is also mentioned to specify the exact batch

Cancellation of specific Transactions in a batch

If a specific transaction in a batch has to be cancelled then, following parameters to be specified

- <PmtInfRvsl> is 'False'. Then the specific transactions in a batch are marked as cancelled
- <NbOfTxs> is the number of transactions. This is specified as 'n'. User can specify the exact number of transactions, that needs to be cancelled.
- Along with this, the key parameters <OrgnlPmtInfId> and<OrgnlMsgId> is also mentioned to specify the exact batch in which transactions are to be cancelled.
- And one has to specify the details pertaining to individual transactions like - <OrgnlEndToEndId>, <RvsdInstdAmt>, <DbtrAcct>, <Cdtr> details in the pain.007 file.

Successfully uploaded files are processed and can be viewed in Batch Booking Browser under View batch Cancellation Details.

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3. Function ID Glossary

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