

# Oracle® Banking Payments

## Hong Kong Faster Payment System User Guide



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The Oracle logo, consisting of a solid red square with the word "ORACLE" in white, uppercase, sans-serif font centered within it.

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# 1

## Preface

- [Purpose](#)
- [Audience](#)  
This manual is intended for the following User/User Roles:
- [Documentation Accessibility](#)
- [Critical Patches](#)
- [Diversity and Inclusion](#)
- [Conventions](#)
- [Related Resources](#)
- [Screenshot Disclaimer](#)
- [Acronyms and Abbreviations](#)
- [Basic Actions](#)
- [Symbols, Definitions and Abbreviations](#)  
The following are some of the Symbols you are likely to find in the manual:

## Purpose

This guide is designed to help acquaint you with the Oracle Banking Payments application. This guide provides answers to specific features and procedures that the user need to be aware of the module to function successfully.

## Audience

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

**Table 1-1 User Roles**

Role	Function
Implementation & IT Staff	Implementation & Maintenance of the Software

## 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>.

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## Critical Patches

Oracle advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at [Critical Patches](#), [Security Alerts and Bulletins](#). All critical patches should be applied in a timely manner to make sure effective security, as strongly recommended by [Oracle Software Security Assurance](#).

## Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

## Conventions

The following text conventions are used in this document:

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

## Related Resources

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

- *Getting Started User Guide*
- *Oracle Banking Security Management System User Guide*
- *Oracle Banking Microservices Platform Foundation User Guide*
- *Routing Hub Configuration User Guide*
- *Oracle Banking Common Core User Guide*
- *Interest and Charges User Guide*
- *Oracle Banking Liquidity Management Configuration Guide*
- *Oracle Banking Liquidity Management File Upload User Guide*

## Screenshot Disclaimer

Personal information used in the interface or documents is dummy and does not exist in the real world. It is only for reference purposes.

## Acronyms and Abbreviations

The list of the acronyms and abbreviations that are used in this guide are as follows:

**Table 1-2 Acronyms and Abbreviations**

Abbreviation	Description
DDA	Demand Deposit Accounts
ECA	External Credit Approval
EOD	End of Day
IBAN	International Bank Account Number

## Basic Actions

The basic actions performed in the screens are as follows:

**Table 1-3 Basic Actions**

Actions	Description
<b>New</b>	Click <b>New</b> to add a new record. The system displays a new record to specify the required data. The fields marked with asterisk are mandatory. - This button is displayed only for the records that are already created.
<b>Save</b>	Click <b>Save</b> to save the details entered or selected in the screen.
<b>Unlock</b>	Click <b>Unlock</b> to update the details of an existing record. The system displays an existing record in editable mode. - This button is displayed only for the records that are already created.
<b>Authorize</b>	Click <b>Authorize</b> to authorize the record created. A maker of the screen is not allowed to authorize the same. Only a checker can authorize a record. - This button is displayed only for the already created records. For more information on the process, refer Authorization Process.
<b>Approve</b>	Click <b>Approve</b> to approve the initiated record. - This button is displayed once the user click <b>Authorize</b> .
<b>Audit</b>	Click <b>Audit</b> to view the maker details, checker details of the particular record. - This button is displayed only for the records that are already created.
<b>Close</b>	Click <b>Close</b> to close a record. This action is available only when a record is created.
<b>Confirm</b>	Click <b>Confirm</b> to confirm the action performed.
<b>Cancel</b>	Click <b>Cancel</b> to cancel the action performed.
<b>Compare</b>	Click <b>Compare</b> to view the comparison through the field values of old record and the current record. - This button is displayed in the widget once the user click <b>Authorize</b> .
<b>View</b>	Click <b>View</b> to view the details in a particular modification stage. - This button is displayed in the widget once the user click <b>Authorize</b> .

**Table 1-3 (Cont.) Basic Actions**

Actions	Description
<b>View Difference only</b>	Click <b>View Difference only</b> to view a comparison through the field element values of old record and the current record, which has undergone changes. - This button is displayed once the user click <b>Compare</b> .
<b>Expand All</b>	Click <b>Expand All</b> to expand and view all the details in the sections. - This button is displayed once the user click <b>Compare</b> .
<b>Collapse All</b>	Click <b>Collapse All</b> to hide the details in the sections. - This button is displayed once the user click <b>Compare</b> .
<b>OK</b>	Click <b>OK</b> to confirm the details in the screen.

## Symbols, Definitions and Abbreviations

The following are some of the Symbols you are likely to find in the manual:

**Table 1-4 Symbols**

Icons	Function
	Exit
	Add row
	Delete row
	Option List

**Table 1-5 Common Icons and its Definitions**

Icon Names	Applicable Stages	Operation
Minimize	Initiation, Approval and Hand-off Retry	Users can minimize the transaction input screen. When the screen is minimized, it appears as to a separate tab within the same web page.
Maximize	Initiation, Approval and Hand-off Retry	User can maximize the transaction input screen.
Close	Initiation, Approval and Hand-off Retry	Users can close the transaction input screen. The system displays a warning message to the user that any unsaved data would be lost. User can either choose to ignore the message and close the screen or choose to 'save and close' the transaction.

# 2

## Hong Kong Faster Payment System

- [Introduction](#)
- [Maintenance Screens](#)
- [Outbound Transaction Screens](#)
- [Inbound Transaction Screens](#)

### Introduction

OBPM supports:

- to process HK FPS Credit Transfer in real time mode for HKD, RMB currencies
- to generate/process below messages for outbound Credit Transfers (Real Time):
  - Pacs.008 to FPS (without payee account verification)
  - Pacs.002 from FPS (Payment Status Report from FPS)
- Outbound HKFPS CT transactions is not logged in queue in case of any validation failure and upfront rejected
- Support to process below messages for inbound Credit Transfers (Real Time):
  - Pacs.008 from FPS (without payee account verification)
- Credit/Debit Notifications to payer/payee

### Maintenance Screens

- [HKFPS Outbound Credit Transfer Payment Preferences](#)
- [HKFPS Inbound Credit Transfer Payment Preferences](#)
- [HKFPS Network Currency Details](#)
- [HKFPS Network Directory](#)
- [Branch Identifier for HKFPS Network](#)
- [Network Connectivity Maintenance](#)

### HKFPS Outbound Credit Transfer Payment Preferences

1. On Homepage, specify **PKDOCTPF** in the text box, and click next arrow.  
**HKFPS Outbound Credit Transfer Payment Preferences** screen is displayed.

**Figure 2-1 HKFPS Outbound Credit Transfer Payment Preferences**

- On **HKFPS Outbound Credit Transfer Payment Preferences** screen, specify the fields. For more information about the fields, refer to field description below:

**Table 2-1 HKFPS Outbound Credit Transfer Payment Preferences - Field Description**

Field	Description
<b>Host Code</b>	System defaults the host code of transaction branch on clicking 'New'.
<b>Network Code</b>	Specify the Network Code from the list of values. The list of values lists HK FPS network defined in the host (Open/Authorized) - Network code for Payment Type 'Hong Kong FPS' defined in Network Code Maintenance (PMDNWCOD).
<b>Network Code Description</b>	System defaults the Description based on the selected Network Code.
<b>Network Type Description</b>	System defaults the Network Type Description on the Network code selected.
<b>Network Currency</b>	Specify the Network Currency from list of values. Currency codes defined are listed.
<b>Processing Mode</b>	By-default, Real Time is selected as the Processing Mode.
<b>Limit Details</b>	--
<b>Minimum Amount</b>	Specify the Minimum transaction amount.
<b>Maximum Amount</b>	Specify the Maximum transaction amount.
<b>Exchange Rate Preference</b>	--
<b>FX Rate Type</b>	Specify the Currency Rate Type from the list of values.
<b>Rate Override Variance%</b>	Specify the Exchange Rate Variance for override.
<b>Rate Stop Variance%</b>	Specify the Exchange Rate Variance for processing stop.
<b>External FX Applicable</b>	This check box is to indicate whether external exchange rate applicable or not.

**Table 2-1 (Cont.) HKFPS Outbound Credit Transfer Payment Preferences - Field Description**

Field	Description
<b>FX Cancellation</b>	Select the FX Cancellation from below values: <ul style="list-style-type: none"> <li>FX Unwind Queue</li> <li>Auto Interface</li> </ul>
<b>Accounting Codes</b>	--
<b>Debit Liquidation</b>	Specify the Debit Liquidation from the list of values. List of all valid (Open/Authorized) accounting codes defined in the host where Main Transaction Dr/Cr Indicator is 'Debit'.
<b>Credit Liquidation</b>	Specify the Credit Liquidation from the list of values. List of all valid (Open/Authorized) accounting codes defined in the host where Main Transaction Dr/Cr Indicator is 'Credit'.
<b>Network Account Details</b>	--
<b>Network Account</b>	Specify the Network Account from the list of values. List of all valid (Open/Authorized) accounts defined in the host for the selected currency.
<b>Small FX Limit</b>	--
<b>Small FX Limit Currency</b>	Specify the Small FX Limit Currency from the list of values. List of all valid (Open/Authorized) currency codes are defined.
<b>Small FX Limit Amount</b>	Specify the Small FX Limit Amount.
<b>Price Code Details</b>	--
<b>Transaction Price Code</b>	Specify the Transaction Price Code from the list of values.
<b>Processing Preferences</b>	--
<b>Accounting Preferences</b>	Select the Accounting Preferences from below values: <ul style="list-style-type: none"> <li>Before Messaging (Default)</li> <li>After Messaging</li> </ul>
<b>Dispatch On Us Transfer</b>	This check box is to indicate dispatch outbound message or not for the on-us transfer.

- [HKFPS Outbound Credit Transfer Payment Preferences Summary](#)

## HKFPS Outbound Credit Transfer Payment Preferences Summary

1. On Homepage, specify **PKSOCTPF** in the text box, and click next arrow.

**HKFPS Outbound Credit Transfer Payment Preferences Summary** screen is displayed.

**Figure 2-2 HKFPS Outbound Credit Transfer Payment Preferences Summary**

2. Search using one or more of the following parameters:
  - Authorization Status
  - Record Status
  - Network Code
  - Payment Type
  - Network Currency
  - Processing Mode
3. Once you specified the parameters, click the Search button.  
System displays the records that match the search criteria.

## HKFPS Inbound Credit Transfer Payment Preferences

1. On Homepage, specify **PKDICTPF** in the text box, and click next arrow.  
**HKFPS Inbound Credit Transfer Payment Preferences** screen is displayed.

**Figure 2-3 HKFPS Inbound Credit Transfer Payment Preferences**

- On **HKFPS Inbound Credit Transfer Payment Preferences** screen, specify the fields.

**Table 2-2 HKFPS Inbound Credit Transfer Payment Preferences - Field Description**

Field	Description
<b>Host Code</b>	System defaults the host code of transaction branch on clicking 'New'.
<b>Network Code</b>	Specify the Network Code from the list of values. The list of values lists HK FPS network defined in the host (Open/Authorized) - Network code for Payment Type 'Hong Kong FPS' defined in Network Code Maintenance (PMDNWCOD).
<b>Network Code Description</b>	System defaults the Description based on the selected Network Code.
<b>Network Type Description</b>	System defaults the Network Type Description on the Network code selected.
<b>Network Currency</b>	Specify the Network Currency from list of values. Currency codes defined are listed.
<b>Processing Mode</b>	By-default, Real Time is selected as the Processing Mode.
<b>Accounting Codes</b>	--
<b>Debit Liquidation</b>	Specify the Debit Liquidation from the list of values. List of all valid (Open/Authorized) accounting codes defined in the host where Main Transaction Dr/Cr Indicator is 'Debit'.
<b>Credit Liquidation</b>	Specify the Credit Liquidation from the list of values. List of all valid (Open/Authorized) accounting codes defined in the host where Main Transaction Dr/Cr Indicator is 'Credit'.
<b>Exchange Rate Preference</b>	--
<b>FX Rate Type</b>	Specify the Currency Rate Type from the list of values.
<b>Rate Override Variance%</b>	Specify the Exchange Rate Variance for override.
<b>Rate Stop Variance%</b>	Specify the Exchange Rate Variance for processing stop.
<b>External FX Applicable</b>	This check box is to indicate whether external exchange rate applicable or not.
<b>FX Cancellation</b>	Select the FX Cancellation from below values: <ul style="list-style-type: none"> <li>FX Unwind Queue</li> <li>Auto Interface</li> </ul>
<b>Network Account Details</b>	--

**Table 2-2 (Cont.) HKFPS Inbound Credit Transfer Payment Preferences - Field Description**

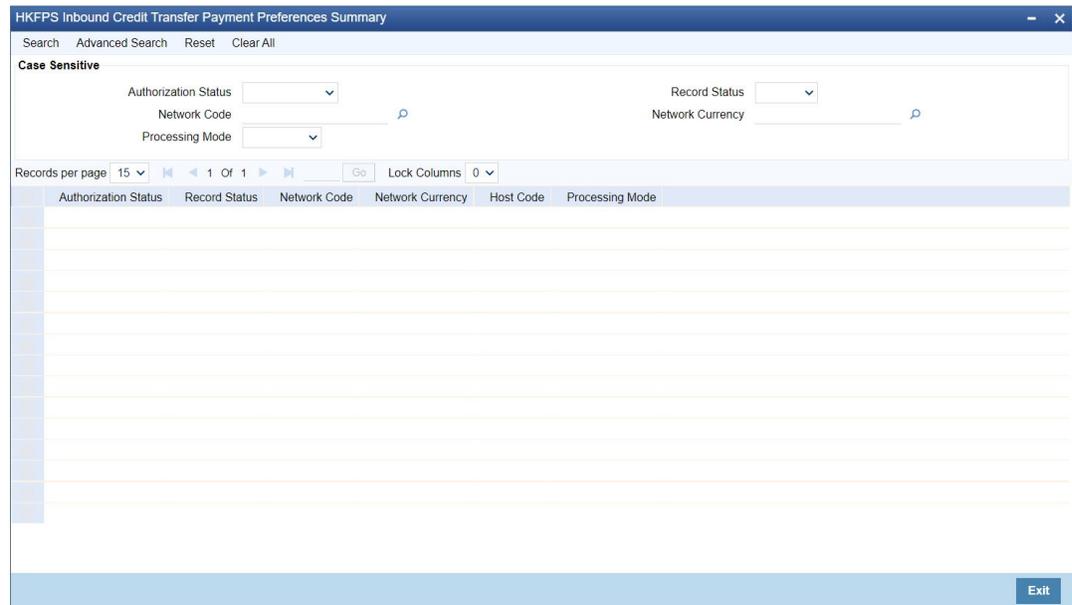
Field	Description
<b>Network Account</b>	Specify the Network Account from the list of values. List of all valid (Open/Authorized) accounts defined in the host for the selected currency.
<b>Small FX Limit</b>	--
<b>Small FX Limit Currency</b>	Specify the Small FX Limit Currency from the list of values. List of all valid (Open/Authorized) currency codes are defined.
<b>Small FX Limit Amount</b>	Specify the Small FX Limit Amount.
<b>Price Code Details</b>	--
<b>Transaction Price Code</b>	Specify the Transaction Price Code from the list of values.

- [HKFPS Inbound Credit Transfer Payment Preferences Summary](#)

## HKFPS Inbound Credit Transfer Payment Preferences Summary

1. On Homepage, specify **PKSICTPF** in the text box, and click next arrow.  
**HKFPS Inbound Credit Transfer Payment Preferences Summary** screen is displayed.

**Figure 2-4 HKFPS Inbound Credit Transfer Payment Preferences Summary**



2. Search using one or more of the following parameters:
  - Authorization Status
  - Record Status
  - Network Code
  - Payment Type
  - Network Currency
  - Processing Mode

- Once you specified the parameters, click the Search button.  
System displays the records that match the search criteria.

## HKFPS Network Currency Details

- On Homepage, specify **PKDHKFNC** in the text box, and click next arrow.  
**HKFPS Network Currency Details** screen is displayed.

Figure 2-5 HKFPS Network Currency Details

- On **HKFPS Network Currency Details** screen, specify the fields.

Table 2-3 HKFPS Network Currency Details - Field Description

Field	Description
<b>Host Code</b>	System defaults the host code of transaction branch on clicking 'New'.
<b>Network Code</b>	Specify the Network Code from the list of values. The list of values lists HK FPS network defined in the host (Open/Authorized) - Network code for Payment Type 'Hong Kong FPS' defined in Network Code Maintenance (PMDNWCOD).
<b>Network Description</b>	System defaults the Description based on the selected Network Code.
<b>Network Type Description</b>	System defaults the Network Type Description on the Network code selected.
<b>Network Currency</b>	Specify the Network Currency from list of values. System allows HKFPS outbound/inbound payments only in the currencies maintained here for the HKFPS network.
<b>Service ID Details</b>	--
<b>Network Service ID</b>	Specify the Network Service ID from the list of values. The list of values lists of ISO Clearing code- Service ID.

**Table 2-3 (Cont.) HKFPS Network Currency Details - Field Description**

Field	Description
<b>Proprietary Service ID</b>	Specify the Service ID value proprietary. HKF value can be maintained.
<b>Network Identifiers</b>	--
<b>Clearing System Code</b>	Specify the Clearing System Code from the list of values. The list of values lists of ISO Clearing code.
<b>Clearing System Proprietary</b>	Specify the Clearing system Proprietary.
<b>Network Member ID</b>	Specify the Member Id.
<b>Other Details</b>	--
<b>Network Directory Key</b>	Specify the Network Directory Key from the list of values. List of all valid (Open/Authorized) Network Directory Key maintained in the existing screen 'Network Directory Key Maintenance (PMDDRKEY).
<b>Network Participation</b>	Select the Network Participation from the following values: <ul style="list-style-type: none"> <li>• Direct</li> <li>• Indirect</li> </ul>
<b>Business Service</b>	Select the Business Service Code from the following values: <ul style="list-style-type: none"> <li>• PAYC01</li> <li>• PAYC02</li> <li>• PAYC03</li> </ul>
<b>Sender Bank Clearing Code</b>	Specify the Sender Bank Clearing Code from the list of values. List of all valid (Open/ Authorized) Network Clearing code defined in 'HKFPS Network Directory'.
<b>Receiver Bank Clearing Code</b>	Specify the Receiver Bank Clearing Code from the list of values. List of all valid (Open/ Authorized) Network Clearing code defined in 'HKFPS Network Directory'.

- [HKFPS Network Currency Details Summary](#)

## HKFPS Network Currency Details Summary

1. On Homepage, specify **PKSHKFNC** in the text box, and click next arrow.  
**HKFPS Network Currency Details Summary** screen is displayed.

Figure 2-6 HKFPS Network Currency Details Summary

HKFPS Network Currency Details Summary

Search Advanced Search Reset Clear All

Case Sensitive

Authorization Status  Record Status

Network Code  Network Directory Key

Network Currency

Records per page 15 1 Of 1 Go Lock Columns 0

Authorization Status	Record Status	Host Code	Network Code	Business Service	Clearing System Code	Clearing System Proprietary	Network Description	Network Memb
----------------------	---------------	-----------	--------------	------------------	----------------------	-----------------------------	---------------------	--------------

Exit

2. Search using one or more of the following parameters:
  - Authorization Status
  - Record Status
  - Network Code
  - Network Directory Key
  - Payment Type
  - Network Currency
3. Once you specified the parameters, click the Search button.  
System displays the records that match the search criteria.

## HKFPS Network Directory

1. On Homepage, specify **PKDHKFDR** in the text box, and click next arrow.  
**HKFPS Network Directory** screen is displayed.

**Figure 2-7 HKFPS Network Directory**

The screenshot shows a web application window titled "HKFPS Network Directory". At the top, there are buttons for "New" and "Enter Query". The main area contains several input fields:

- Network Directory Key \*** (Red text)
- Clearing Code \*** (Red text)
- Bank Name
- Clearing System Code
- Clearing System Proprietary
- Valid From Date** (Format: YYYY-MM-DD)
- Valid Till Date** (Format: YYYY-MM-DD)

A section titled "Address Details" contains the following fields:

- Address Line 1 through Address Line 7
- Room
- Department
- Sub Department
- Street Name
- Building Number
- Building Name
- Floor
- Post Box
- Address Line 5 through Address Line 7
- Room
- Post Code
- Town Name
- Town Location Name
- District Name
- Country Sub Division
- Country

At the bottom, there is a status bar with fields for "Maker", "Checker", "Date Time", "Mod No", "Record Status", and "Authorization Status". An "Exit" button is located in the bottom right corner.

- On **HKFPS Network Directory** screen, specify the fields.

For more information about the fields, refer to field description below:

**Table 2-4 HKFPS Network Directory - Field Description**

Field	Description
<b>Network Directory Key</b>	Select the specific Network Code from list of values. The list of values lists Network Directory Key maintained in the existing screen 'Network Directory Key Maintenance (PMDDRKEY) are linked here.
<b>Clearing Code</b>	Specify the Clearing Code.
<b>Bank Name</b>	Specify the Bank Name.
<b>Clearing System Code</b>	Specify the Clearing System Code from the list of values.
<b>Clearing System Proprietary</b>	Specify the Clearing system Proprietary.
<b>Valid From Date</b>	Specify the Valid From Date.
<b>Valid Till Date</b>	Specify the Valid Till Date.

**Table 2-4 (Cont.) HKFPS Network Directory - Field Description**

Field	Description
<b>Address Details</b>	Specify the following fields with appropriate values: <ul style="list-style-type: none"> <li>• Address Line 1, 2, 3, 4, 5, 6, 7</li> <li>• Department</li> <li>• Sub Department</li> <li>• Street Name</li> <li>• Building Number</li> <li>• Building Name</li> <li>• Floor</li> <li>• Post Box</li> <li>• Room</li> <li>• Post Code</li> <li>• Town Name</li> <li>• Town Location Name</li> <li>• District Name</li> <li>• Country Sub Division</li> <li>• Country</li> </ul>

- [HKFPS Network Directory Summary](#)

## HKFPS Network Directory Summary

1. On Homepage, specify **PKSHKFDR** in the text box, and click next arrow.  
**HKFPS Network Directory Summary** screen is displayed.

**Figure 2-8 HKFPS Network Directory Summary**

2. Search using one or more of the following parameters:
  - Authorization Status
  - Record Status

- Network Directory Key
  - Clearing Code
  - Bank Name
  - Network Participation
3. Once you specified the parameters, click the Search button.  
System displays the records that match the search criteria.

## Branch Identifier for HKFPS Network

1. On Homepage, specify **PKDHKFBR** in the text box, and click next arrow.  
**Branch Identifier for HKFPS Network** screen is displayed.

**Figure 2-9 Branch Identifier for HKFPS Network**

2. On **Branch Identifier for HKFPS Network** screen, specify the fields.  
For more information about the fields, refer to field description below:

**Table 2-5 Branch Identifier for HKFPS Network - Field Description**

Field	Description
Host Code	System defaults the host code of transaction branch on clicking 'New'.
Host Description	System defaults the Host Code Description on the Host code selected.
Network Code	Specify the Network Code from the list of values. The list of values lists HK FPS network defined in the host (Open/Authorized) - Network code for Payment Type 'Hong Kong FPS' defined in Network Code Maintenance (PMDNWCOD).
Network Description	System defaults the Description based on the selected Network Code.

**Table 2-5 (Cont.) Branch Identifier for HKFPS Network - Field Description**

Field	Description
Network Type Description	System defaults the Network Type Description on the Network code selected.
Branch Code	Specify the specific Network Code from list of values. List of Branch Codes (Open/Authorized) defined in the current host.
Clearing Code	Specify the Clearing Code from list of values. List of Clearing codes (Open/Authorized) defined in the Hong Kong Network Directory maintained.

- [Branch Identifier for HKFPS Network Summary](#)

## Branch Identifier for HKFPS Network Summary

1. On Homepage, specify **PKSHKFBR** in the text box, and click next arrow.

**Branch Identifier for HKFPS Network Summary** screen is displayed.

**Figure 2-10 Branch Identifier for HKFPS Network Summary**

Branch Identifier for HKFPS Network Summary

Search Advanced Search Reset Clear All

Case Sensitive

Authorization Status  Record Status

Host Code  Network Code

Records per page: 15  Lock Columns: 0

Authorization Status	Record Status	Host Code	Network Code
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Exit

2. Search using one or more of the following parameters:
  - Authorization Status
  - Record Status
  - Host Code
  - Network Code
3. Once you specified the parameters, click the Search button.  
System displays the records that match the search criteria.

## Network Connectivity Maintenance

1. On Homepage, specify **PKDHFCT** in the text box, and click next arrow.  
**Network Connectivity Maintenance** screen is displayed.

**Figure 2-11 Network Connectivity Maintenance**

- On **Network Connectivity Maintenance** screen, specify the fields.  
For more information about the fields, refer to field description below:

**Table 2-6 Network Connectivity Maintenance - Field Description**

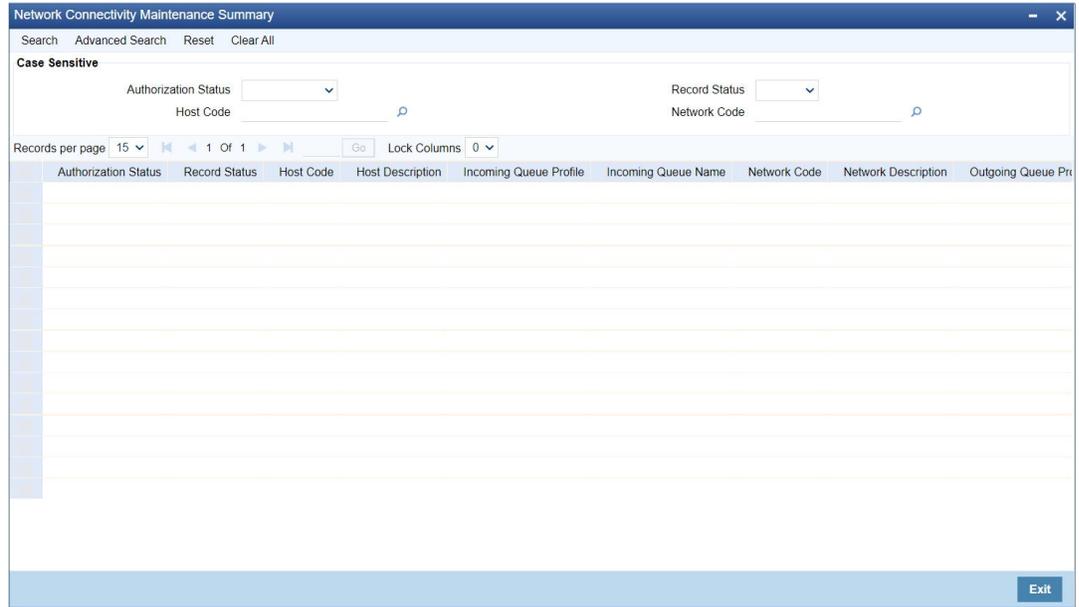
Field	Description
<b>Host Code</b>	System defaults the host code of transaction branch on clicking 'New'.
<b>Host Code Description</b>	System defaults the Host Code Description on the Host code selected.
<b>Network Code</b>	Specify the Network Code from the list of values. The list of values lists HK FPS network defined in the host (Open/Authorized) - Network code for Payment Type 'Hong Kong FPS' defined in Network Code Maintenance (PMDNWCOD).
<b>Network Code Description</b>	System defaults the Description based on the selected Network Code.
<b>Outgoing Queue Details</b>	--
<b>Outgoing Queue Profile</b>	Specify the Outgoing Queue Profile from the list of values.
<b>Outgoing Queue Name</b>	Specify the Queue name.
<b>Incoming Queue Details</b>	--
<b>Incoming Queue Profile</b>	Specify the Incoming Queue Profile from the list of values.
<b>Incoming Queue Name</b>	Specify the Queue name.

- [Network Connectivity Maintenance Summary](#)

## Network Connectivity Maintenance Summary

- On Homepage, specify **PKSHKFACT** in the text box, and click next arrow.  
**Network Connectivity Maintenance Summary** screen is displayed.

**Figure 2-12 Network Connectivity Maintenance Summary**



2. Search using one or more of the following parameters:
  - Authorization Status
  - Record Status
  - Host Code
  - Network Code
3. Once you specified the parameters, click the Search button.  
System displays the records that match the search criteria.

## Outbound Transaction Screens

- [HKFPS Outbound Credit Transfer Transaction Input](#)
- [HKFPS Outbound Credit Transfer Transaction View](#)
- [HKFPS Inbound Real Time Credit Transfer Message Browser](#)

### HKFPS Outbound Credit Transfer Transaction Input

1. On Homepage, specify **PKDOTONL** in the text box, and click next arrow.  
**HKFPS Outbound Credit Transfer Transaction Input** screen is displayed.

**Figure 2-13 HKFPS Outbound Credit Transfer Transaction Input**

- On **HKFPS Outbound Credit Transfer Transaction Input** screen, specify the fields. For more information about the fields, refer to field description below:

**Table 2-7 HKFPS Outbound Credit Transfer Transaction Input - Field Description**

Field	Description
<b>Transaction Branch</b>	System defaults the Transaction Branch details on clicking the 'New' button.
<b>Host Code</b>	System displays the Host Code of selected branch of the logged in user on clicking 'New' button.
<b>Source Code</b>	For manually input transactions, source code is defaulted as MANL. For transactions received through web services or rest services, the source code is populated as received in the request.
<b>Network Code</b>	If only one Network is maintained for with payment type as 'Faster Payment' ('K') for the host code, the same is defaulted in this field. In case multiple networks are found for the same combination, all applicable networks are listed for the field. You can select the required network.
<b>Transaction Reference Number</b>	System defaults the Transaction Branch Number on clicking the 'New' button, using the current logic.
<b>Transaction ID</b>	This field gets generated on authorization of the outbound HKFPS payment. Transaction ID (PKDOTONL/PKDOVIEW) is generated using the UETR number generation logic (used in Cross Border Module). However, with the 4 hyphens removed, resulting in a total length of 32 characters.
<b>End to End ID</b>	End to End ID is populated as the transaction reference. You can modify the same.

**Table 2-7 (Cont.) HKFPS Outbound Credit Transfer Transaction Input - Field Description**

Field	Description
<b>Message ID</b>	<p>This field is generated at the time of message generation on authorization of the outbound HKFPS payment.</p> <p>Format: M[Clearing Code][YYYYMMDD][Others]</p> <p>Clearing Code which is part of mask: This is populated as the Sender Bank Clearing Code as maintained in 'HKFPS Network Currency Details' [PKDHFNC].</p> <p>"[YYYYMMDD]" is the activation date in YYYYMMDD format [pick up from PKDOTONL]</p> <p>"[Others]" is transaction reference number generated and defaulted in field 'Payment Details Reference' in the transaction screen.</p> <p>Valid example: M00120160801-A10200/N3001</p>
<b>Payee Account Verification</b>	<p>By default, this field is un-checked. During message generation,</p> <ul style="list-style-type: none"> <li>• If Checked: populate 'PERFORM_PYE_VRF'</li> <li>• If un-checked: populate 'SKIP_PYE_VRF'</li> </ul>

- [Main Tab](#)
- [Additional Details](#)
- [Pricing Tab](#)
- [UDF Button](#)
- [MIS Button](#)
- [HKFPS Outbound Credit Transfer Transaction Input Summary](#)

## Main Tab

- On **Main Tab**, specify the fields.

**Figure 2-14 HKFPS Outbound Credit Transfer Transaction Input\_Main Tab**

The screenshot shows the 'Main Tab' of the HKFPS Outbound Credit Transfer Transaction Input screen. It features three main sections: Payer Details, Payee Details, and Payment Details. The Payer Details section includes fields for Payer Account Number, Payer Account Currency, Payer Account Branch, Payer Name, Payer ID (Customer Number), and Debit Amount. The Payee Details section includes fields for Payee Bank Clearing Code, Payee Account Number Type (a dropdown menu), Payee Account Number, Payee Mobile Number, Payee Email ID, Payee FPS ID, Payer Name, and Payee ID. The Payment Details section includes fields for Booking Date, Instruction Date, Activation Date, Instructed Currency Indicator (a dropdown menu), Instructed Currency, Instructed Amount, Transfer Currency, Transfer Amount, Exchange Rate, FX Reference Number, Remarks, Payment Details Reference, Category Purpose Code (a dropdown menu), and On Us Transfer (a dropdown menu). At the bottom of the screen, there are buttons for 'UDF' and 'MIS', and an 'Exit' button. Below these buttons are fields for 'Maker Id', 'Maker Date Stamp', 'Checker ID', 'Checker Date Stamp', and 'Authorization Status'.

**Table 2-8 HKFPS Outbound Credit Transfer Transaction Input\_Main Tab - Field Description**

Field	Description
<b>Payer Details</b>	--
<b>Payer Account Number</b>	Specify the Payer Account Number from the list of values. The field lists all open and authorized accounts maintained in the External Customer Account maintenance (STDCRACC).
<b>Payer Account Currency</b>	Payer Account Currency is auto-populated based on the debtor account selected.
<b>Payer Account Branch</b>	Payer Account Branch is auto-populated based on the debtor account selected.
<b>Payer Name</b>	Payer Name is auto-populated based on the debtor account selected.
<b>Payer ID (Customer Number)</b>	Specify the Payer ID. The customer number linked to the payer account are populated.
<b>Debit Amount</b>	This field is populated as the transfer amount converted in debtor account currency. Exchange rate pick up is based on network preferences maintained. This field is disabled for user input.
<b>Payee Details</b>	--
<b>Payee Bank Clearing Code</b>	Specify the Payee Bank Clearing Code from the list of values. The field lists all the open/authorized clearing codes maintained in HKFPS Network Directory (PKDHFDR).
<b>Payee Account Number Type</b>	Select the Payee Account Number Type from below values provided in the drop down: <ul style="list-style-type: none"> <li>• BBAN - Customer / bank account number</li> <li>• AIIN - Credit card number</li> <li>• SVID - FPS identifier</li> <li>• EMAL - Email address</li> <li>• MOBN - Mobile number</li> <li>• CUST - Customer ID</li> </ul>
<b>Specify the fields, as required:</b>	<ul style="list-style-type: none"> <li>• Payee Account number</li> <li>• Payee Mobile number</li> <li>• Payee Email ID</li> <li>• Payee FPS ID</li> <li>• Payee Name</li> <li>• Payee ID (Customer number)</li> </ul>
<b>Payment Details</b>	--
<b>Booking Date</b>	This field is defaulted as application server date.
<b>Instruction Date</b>	This field gets defaulted as booking date. Back date / future date is not allowed. It is current dated always for Hong Kong FPS.
<b>Activation Date</b>	Activation date is a derived field based on the instruction date provided. Payment is processed on Activation date. If Instruction date is back-dated, Activation date is moved to Current date.  Branch Holidays, Network Holidays are not applicable, if processing mode is Real-Time as maintained in PKDOCTPF.
<b>Instructed Currency Indicator</b>	Select the Instructed Currency Indicator from the following: <ul style="list-style-type: none"> <li>• Debit Currency</li> <li>• Transfer Currency</li> </ul> If transfer currency is selected, it is mandatory to provide transfer amount. If debit currency is selected, it is mandatory to input debit amount.
<b>Instructed Currency</b>	Specify the Instructed Currency from the list of values.

**Table 2-8 (Cont.) HKFPS Outbound Credit Transfer Transaction Input\_Main Tab - Field Description**

Field	Description
<b>Instructed Amount</b>	Specify the Instructed Amount.
<b>Transfer Currency</b>	Specify the Transfer Currency. If the network allows only single currency as per HKFPS Network currency preferences (PKDHFNC) maintained, this currency is populated as transfer currency. If multiple currencies (HKD, RMB, CNY, USD as applicable) are allowed, you can select from the list of allowed currencies.
<b>Transfer Amount</b>	Specify the Transfer Amount that is to be sent in the outbound payment.
<b>Exchange Rate</b>	<p>If transfer currency and debtor (payer) 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 HKFPS Outbound Credit Transfer Preferences' (PKDOCTPF) level.</p> <p>If exchange rate is not a user input, system picks up exchange rate during 'Enrich' provided the transfer amount is less than small FX limit maintained. If there exchange rate is not available, a proper error message is shown.</p> <p>Based on debit amount/transfer amount input, the other amount is computed by the system.</p> <p>If transfer amount is more than small FX limit and if external exchange rate is applicable, then rate pick up happens during transaction processing.</p>
<b>FX Reference Number</b>	Specify the FX Reference Number.
<b>Remarks</b>	Specify the Remarks, if any.
<b>Payment Details Reference</b>	Specify any payment specific reference this field. This is defaulted to transaction reference number and editable.
<b>Category Purpose Code</b>	Select the Category Purpose Code from the following: <ul style="list-style-type: none"> <li>• CXPSNL - For General Personal Payment (Default)</li> <li>• CXBSNS - For General Business Payment</li> <li>• CXMRCH - For Merchant Payment</li> <li>• CXSALA - For Salary and Benefits Payment</li> </ul>
<b>Enrich Button</b>	On enrich, populate exchange rate, debit amount and charge/tax amounts.
<b>On Us Transfer</b>	This field is displayed based on the payee branch clearing code from the following: <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>

## Additional Details

- On **Additional Details** button, specify the fields.

**Figure 2-15 HKFPS Outbound Credit Transfer Transaction Input\_Additional Details**

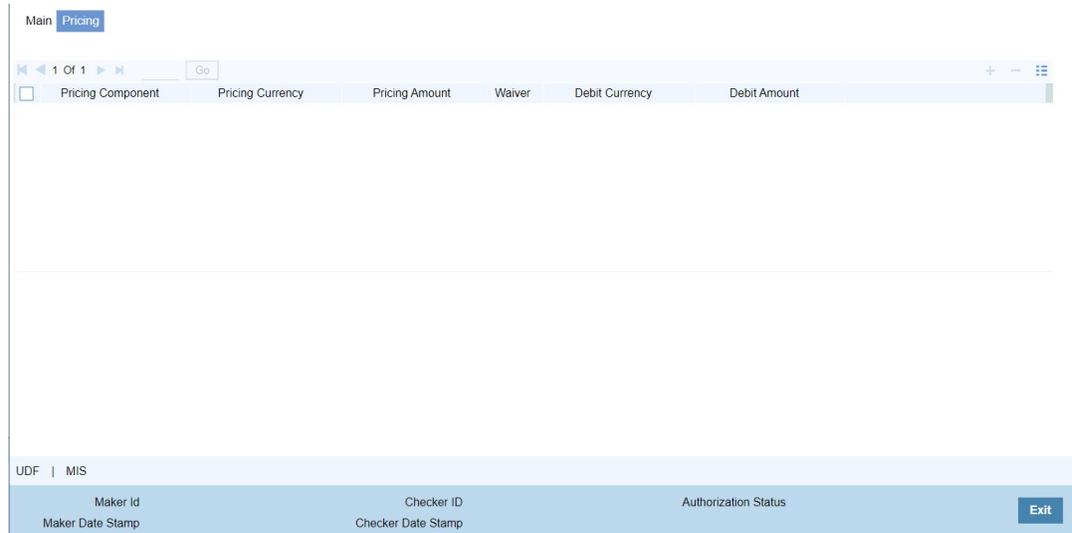
**Table 2-9 HKFPS Outbound Credit Transfer Transaction Input\_Additional Details - Field Description**

Field	Description
<b>Transaction Reference Number</b>	This field displays Transaction Reference Number.
<b>Host Code</b>	This field displays Host Code.
<b>Network Code</b>	Specify the Network Code.
<b>Activation Date</b>	The field displays Activation Date.
<b>Payment Details (Unstructured)</b>	--
<b>Remittance Information 1-6</b>	Specify the payment related information here. For HKFPS, add information details in only one line.
<b>Purpose Details</b>	--
<b>Category Purpose Code</b>	Specify the ISO Category Purpose Code from the list of values.
<b>Purpose Value</b>	Specify any non-ISO purpose codes.

## Pricing Tab

1. You can view the charge amount computed by the system for each of the Pricing components of the Pricing code linked to the network code of the transaction.
2. For the Transaction initiated, system displays the fees/tax charged in this tab. Click the "Pricing" tab.
3. On **Pricing Tab**, specify the fields.

**Figure 2-16 HKFPS Outbound Credit Transfer Transaction Input - Pricing Tab**



**Table 2-10 HKFPS Outbound Credit Transfer Transaction Input\_Pricing Tab - Field Description**

Field	Description
<b>Pricing Component</b>	System displays each Pricing component of the Pricing code from the Pricing Code Maintenance.
<b>Pricing Currency</b>	System displays the Pricing currency of each Pricing component of the Pricing code.
<b>Pricing Amount</b>	System displays the calculated Charge amount for each Pricing component of the Pricing code.
<b>Waived</b>	System displays if charges for any Pricing component are waived in the Pricing maintenance.
<b>Debit Currency</b>	System displays the currency of the Charge account to be debited for the charges.
<b>Debit Amount</b>	System displays the Charge amount for each Pricing component debited to the charge account in Debit currency. If the Pricing currency is different from the Debit currency the calculated charges are converted to the Debit currency and populated in this field.

## UDF Button

1. This sub-screen defaults values of UDF fields that are part of the UDF group specified for the 'Manual' source.
2. Click the **UDF button** to invoke the 'UDF' sub-screen.
3. On **UDF Button**, specify the fields.

**Figure 2-17 UDF Button**



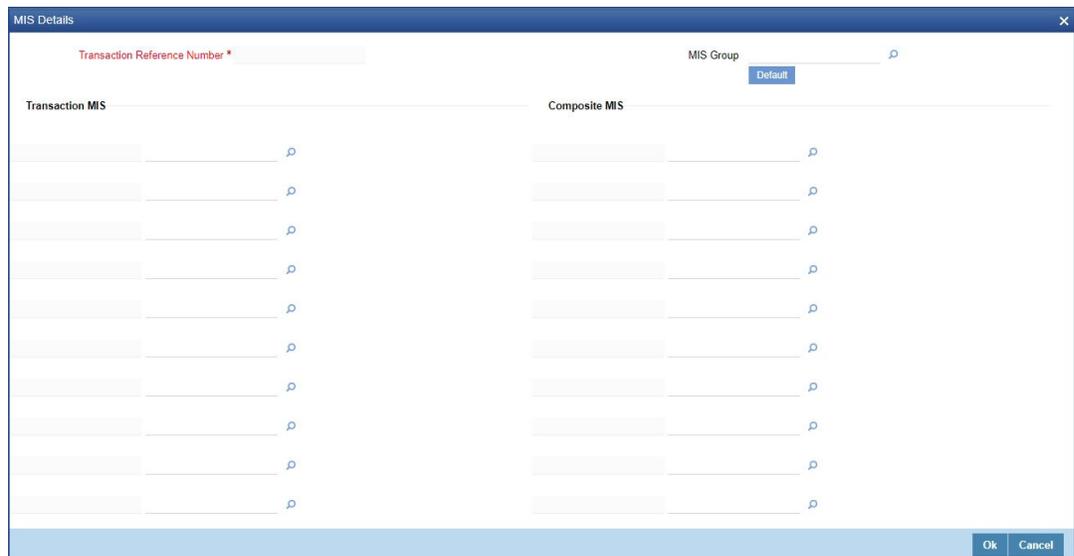
**Table 2-11 UDF Button - Field Description**

Field	Description
Field Label	System displays all fields that are part of the associated UDF group.
Field Value	System displays the default value, where exists for the UDF fields. You can change the default value or specify value for other fields (where default value does not exist).

## MIS Button

1. You can maintain the MIS information for the Transaction. If the MIS details are not entered for the Transaction the same is defaulted from the product maintenance.
2. Click the **MIS** button to invoke the 'MIS' sub-screen.
3. On **MIS Button**, specify the fields.

**Figure 2-18 MIS Button**



**Table 2-12 MIS Button - Field Description**

Field	Description
<b>Transaction Reference</b>	System displays the transaction reference number of the transaction.
<b>MIS Group</b>	You can select the MIS group code from the option list, or specify the code for the MIS group in the Source maintenance. The system displays all valid MIS groups for different sources in the MIS group list in the Source maintenance. When booking a transaction from this screen, the MIS group linked to the 'Manual' source is populated by default.
<b>Default button</b>	After selecting a MIS group different from the default MIS Group, click this button to populate any default MIS values and link them to the Transaction MIS and Composite MIS classes.
<b>Transaction MIS</b>	You can populate the default MIS values for Transaction MIS classes for the MIS group. Alternatively, you can change one or more default MIS values or specify additional MIS values. Or, you can select MIS values from the option list.
<b>Composite MIS</b>	You can populate the default MIS values for Composite MIS classes for the MIS group. Alternatively, you can change one or more default MIS values or specify additional MIS values. Or, you can select MIS values from the option list.

## HKFPS Outbound Credit Transfer Transaction Input Summary

1. On Homepage, specify **PKSOTONL** in the text box, and click next arrow.  
**HKFPS Outbound Credit Transfer Transaction Input Summary** screen is displayed.

**Figure 2-19 HKFPS Outbound Credit Transfer Transaction Input Summary**

2. Search using one or more of the following parameters:
  - Transfer Currency
  - Transaction Reference Number

- Network Code
  - Authorization Status
  - Payer ID (Customer Number)
  - Payee Account Number
3. Once you specified the parameters, click the **Search** button.  
System displays the records that match the search criteria.

## HKFPS Outbound Credit Transfer Transaction View

1. On Homepage, specify **PKDOVIEW** in the text box, and click next arrow.  
**HKFPS Outbound Credit Transfer Transaction View** screen is displayed.

**Figure 2-20 HKFPS Outbound Credit Transfer Transaction View**

2. On **HKFPS Outbound Credit Transfer Transaction View** screen, specify the fields.  
For more information about the fields, refer to field description below:

**Table 2-13 HKFPS Outbound Credit Transfer Transaction View - Field Description**

Field	Description
Transaction Branch	This field displays the Transaction Branch details.
Transaction Reference Number	This field displays the Transaction Branch Number, using the current logic.
Host Code	This field displays the Host Code details.
Transaction ID	This field gets generated on authorization of the outbound HKFPS payment. Transaction ID (PKDOTONL/PKDOVIEW) is generated using the UETR number generation logic (used in Cross Border Module). However, with the 4 hyphens removed, resulting in a total length of 32 characters.

**Table 2-13 (Cont.) HKFPS Outbound Credit Transfer Transaction View - Field Description**

Field	Description
Source Code	For manually input transactions, source code is defaulted as MANL. For transactions received through web services or rest services, the source code is populated as received in the request.
Network Code	If only one Network is maintained for with payment type as 'Faster Payment' ('K') for the host code, the same is displayed in this field. In case multiple networks are found for the same combination, all applicable networks are listed for the field. You can select the required network.
End to End ID	End to End ID is populated as the transaction reference.
Message ID	This field is generated at the time of message generation on authorization of the outbound HKFPS payment. Format: M[Clearing Code][YYYYMMDD][Others] Clearing Code which is part of mask: This is populated as the Sender Bank Clearing Code as maintained in 'HKFPS Network Currency Details' [PKDHFNC]. "[YYYYMMDD]" is the activation date in YYYYMMDD format [pick up from PKDOTONL] "[Others]" is transaction reference number generated and defaulted in field 'Payment Details Reference' in the transaction screen. Valid example: M00120160801-A10200/N3001
Payee Account Verification	By default, this field is un-checked. During message generation, <ul style="list-style-type: none"> <li>• If Checked: populate 'PERFORM_PYE_VRF'</li> <li>• If un-checked: populate 'SKIP_PYE_VRF'</li> </ul>

- [Main Tab](#)
- [Additional Details](#)
- [Processing Status Tab](#)
- [Pricing Tab](#)
- [Exception Tab](#)
- [UDF Button](#)
- [MIS Button](#)
- [View Queue Action Log](#)
- [Accounting Details](#)
- [All Messages](#)
- [HKFPS Outbound Credit Transfer Transaction View Summary](#)

## Main Tab

- On **Main Tab**, specify the fields.

**Figure 2-21 HKFPS Outbound Credit Transfer Transaction View - Main Tab**

**Table 2-14 HKFPS Outbound Credit Transfer Transaction View\_Main Tab - Field Description**

Field	Description
<b>Payer Details</b>	--
<b>Payer Account Number</b>	This field displays the Payer Account Number from the list of values. All open and authorized accounts maintained in the External Customer Account maintenance (STDCRACC) are listed for this field.
<b>Payer Account Currency</b>	This field displays Payer Account Currency that gets auto-populated based on the debtor account selected.
<b>Payer Account Branch</b>	This field displays Payer Account Branch that gets auto-populated based on the debtor account selected.
<b>Payer Name</b>	This field displays the Payer Name that gets populated based on debtor account customer.
<b>Payer ID(Customer Number)</b>	This field displays the Payer ID. The customer number linked to the payer account are populated.
<b>Debit Amount</b>	This field is populated as the transfer amount converted in debtor account currency. Exchange rate pick up is based on network preferences maintained. This field is disabled for user input.
<b>Payee Details</b>	--
<b>Payee Bank Clearing Code</b>	This field displays Payee Bank Clearing Code from the list values.
<b>Payee Account Number Type</b>	This field displays Payee Account Number Type from the following: <ul style="list-style-type: none"> <li>• BBAN - Customer / bank account number</li> <li>• AIIN - Credit card number</li> <li>• SVID - FPS identifier</li> <li>• EMAL - Email address</li> <li>• MOBN - Mobile number</li> <li>• CUST - Customer ID</li> </ul>
These fields are displayed, as required:	<ul style="list-style-type: none"> <li>• Payee Account number</li> <li>• Payee Mobile number</li> <li>• Payee Email ID</li> <li>• Payee FPS ID</li> <li>• Payee Name</li> <li>• Payee ID (Customer number)</li> </ul>
<b>Payment Details</b>	--
<b>Booking Date</b>	This field is defaulted as application server date.
<b>Instruction Date</b>	This field gets defaulted as booking date. Back date / future date is not allowed. It is current dated always for Hong Kong FPS.

**Table 2-14 (Cont.) HKFPS Outbound Credit Transfer Transaction View\_Main Tab - Field Description**

Field	Description
<b>Activation Date</b>	<p>Activation date is a derived field based on the instruction date provided. Payment is processed on Activation date. If Instruction date is back-dated, Activation date is moved to Current date.</p> <p>Branch Holidays, Network Holidays are not applicable, if processing mode is Real-Time as maintained in PKDOCTPF.</p>
<b>Instructed Currency Indicator</b>	<p>This field displays Instructed Currency Indicator from the following:</p> <ul style="list-style-type: none"> <li>• Debit Currency</li> <li>• Transfer Currency</li> </ul> <p>If transfer currency is selected, it is mandatory to provide transfer amount. If debit currency is selected, it is mandatory to input debit amount.</p>
<b>Instructed Currency</b>	This field displays the Instructed Currency from the list of values.
<b>Instructed Amount</b>	This field displays Instructed Amount.
<b>Transfer Currency</b>	This field displays Transfer Currency. If the network allows only single currency as per HKFPS Network currency preferences (PKDHFNC) maintained, this currency is populated as transfer currency. If multiple currencies (HKD, RMB, CNY, USD as applicable) are allowed, you can select from the list of allowed currencies.
<b>Transfer Amount</b>	This field displays Transfer Amount that is to be sent in the outbound payment.
<b>Exchange Rate</b>	<p>If transfer currency and debtor (payer) 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 HKFPS Outbound Credit Transfer Preferences' (PKDOCTPF) level.</p> <p>If exchange rate is not a user input, system picks up exchange rate during 'Enrich' provided the transfer amount is less than small FX limit maintained. If there exchange rate is not available, a proper error message is shown.</p> <p>Based on debit amount/transfer amount input, the other amount is computed by the system.</p> <p>If transfer amount is more than small FX limit and if external exchange rate is applicable, then rate pick up happens during transaction processing.</p>
<b>FX Reference Number</b>	This field displays FX Reference Number.
<b>Remarks</b>	This field displays Remarks, if any.
<b>Payment Details Reference</b>	You can specify any payment specific reference this field. This is defaulted to transaction reference number and editable.
<b>Category Purpose Code</b>	<p>Select the Category Purpose Code from the following:</p> <ul style="list-style-type: none"> <li>• CXPSNL - For General Personal Payment (Default)</li> <li>• CXBSNS - For General Business Payment</li> <li>• CXMRCH - For Merchant Payment</li> <li>• CXSALA - For Salary and Benefits Payment</li> </ul>
<b>Sanction Seizure</b>	This field displays Sanction Seizure.
<b>On Us Transfer</b>	<p>This field is displayed based on the payee branch clearing code from the following:</p> <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>

## Additional Details

- On **Additional Details** button, specify the fields.

**Figure 2-22 HKFPS Outbound Credit Transfer Transaction View - Additional Details**

**Table 2-15 HKFPS Outbound Credit Transfer Transaction View\_Additional Details - Field Description**

Field	Description
<b>Transaction Reference Number</b>	This field displays Transaction Reference Number.
<b>Host Code</b>	This field displays Host Code.
<b>Network Code</b>	This field displays Network Code.
<b>Activation Date</b>	The field displays Activation Date.
<b>Payment Details (Unstructured)</b>	--
<b>Remittance Information 1-6</b>	This field displays the payment related information here.
<b>Purpose Details</b>	--
<b>Category Purpose Code</b>	This field displays Category Purpose Code from the list of values.
<b>Purpose Value</b>	This field displays any non-ISO purpose codes.

## Processing Status Tab

- This tab provides the Transaction Status Details, External System Requests Status, Dispatch and Error details.

**Figure 2-23 HKFPS Outbound Credit Transfer Transaction View - Processing Status Tab**

The screenshot displays the 'Processing Status' tab of the HKFPS Outbound Credit Transfer Transaction View. At the top, there are navigation tabs: 'Main', 'Processing Status' (selected), 'Pricing', and 'Exception'. Below this, the 'Status Details' section contains several dropdown menus: Transaction Status, Exception Queue (with a 'View Queue' button), DRLQ Status, CRLQ Status, Settlement Status, and On-Us Credit Transfer. The 'External Communications' section includes Sanction Check Status, Sanction Check Reference, Sanction Seizure, External Credit Approval Status, External Credit Approval Reference, External Exchange Rate Status, and External Exchange Rate Reference. The 'Dispatch Details' section has Dispatch Reference and File Reference Number. The 'Error Details' section has an Error Code field. At the bottom, there are navigation links: 'UDF | MIS | View Queue Action | Accounting Entries | All Messages'. The footer contains 'Maker Id', 'Maker Date Stamp', 'Checker ID', 'Checker Date Stamp', 'Authorization Status', and an 'Exit' button.

## Pricing Tab

1. You can view the charge amount computed by the system for each of the Pricing components of the Pricing code linked to the network code of the transaction.
2. For the Transaction initiated, system displays the fees/tax charged in this tab. Click the "Pricing" tab.
3. On **Pricing Tab**, specify the fields.

**Figure 2-24 HKFPS Outbound Credit Transfer Transaction View - Pricing Tab**

The screenshot displays the 'Pricing' tab of the HKFPS Outbound Credit Transfer Transaction View. At the top, there are navigation tabs: 'Main', 'Processing Status', 'Pricing' (selected), and 'Exception'. Below this, there is a table with the following columns: Pricing Component, Pricing Currency, Pricing Amount, Waiver, Debit Currency, and Debit Amount. The table is currently empty. At the bottom, there are navigation links: 'UDF | MIS | View Queue Action | Accounting Entries | All Messages'. The footer contains 'Maker Id', 'Maker Date Stamp', 'Checker ID', 'Checker Date Stamp', 'Authorization Status', and an 'Exit' button.

**Table 2-16 HKFPS Outbound Credit Transfer Transaction View\_Pricing Tab - Field Description**

Field	Description
<b>Pricing Component</b>	System displays each Pricing component of the Pricing code from the Pricing Code Maintenance.
<b>Pricing Currency</b>	System displays the Pricing currency of each Pricing component of the Pricing code.
<b>Pricing Amount</b>	System displays the calculated Charge amount for each Pricing component of the Pricing code.
<b>Waived</b>	System displays if charges for any Pricing component are waived in the Pricing maintenance.
<b>Debit Currency</b>	System displays the currency of the Charge account to be debited for the charges.

**Table 2-16 (Cont.) HKFPS Outbound Credit Transfer Transaction View\_Pricing Tab - Field Description**

Field	Description
<b>Debit Amount</b>	System displays the Charge amount for each Pricing component debited to the charge account in Debit currency. If the Pricing currency is different from the Debit currency the calculated charges are converted to the Debit currency and populated in this field.

## Exception Tab

- This tab provides the Return and Network Reject Details.

**Figure 2-25 HKFPS Outbound Credit Transfer Transaction View - Exception Tab**

## UDF Button

1. This sub-screen defaults values of UDF fields that are part of the UDF group specified for the 'Manual' source.
2. Click the **UDF button** to invoke the 'UDF' sub-screen.
3. On **UDF Button**, specify the fields.

**Figure 2-26 UDF Button**

**Table 2-17 UDF Button - Field Description**

Field	Description
Field Label	System displays all fields that are part of the associated UDF group.
Field Value	System displays the default value, where exists for the UDF fields. You can change the default value or specify value for other fields (where default value does not exist).

## MIS Button

1. You can maintain the MIS information for the Transaction. If the MIS details are not entered for the Transaction the same is defaulted from the product maintenance.
2. Click the **MIS** button to invoke the 'MIS' sub-screen.
3. On **MIS Button**, specify the fields.

**Figure 2-27 MIS Button**

The screenshot shows a window titled "MIS Details" with a close button (X) in the top right corner. At the top, there is a "Transaction Reference Number \*" field and a "MIS Group" dropdown menu with a "Default" button next to it. Below these, the window is divided into two columns: "Transaction MIS" on the left and "Composite MIS" on the right. Each column contains a list of input fields, each with a small blue icon to its right. At the bottom right of the window, there are "Ok" and "Cancel" buttons.

**Table 2-18 MIS Button - Field Description**

Field	Description
<b>Transaction Reference</b>	System displays the transaction reference number of the transaction.
<b>MIS Group</b>	You can select the MIS group code from the option list, or specify the code for the MIS group in the Source maintenance. The system displays all valid MIS groups for different sources in the MIS group list in the Source maintenance. When booking a transaction from this screen, the MIS group linked to the 'Manual' source is populated by default.
<b>Default button</b>	After selecting a MIS group different from the default MIS Group, click this button to populate any default MIS values and link them to the Transaction MIS and Composite MIS classes.

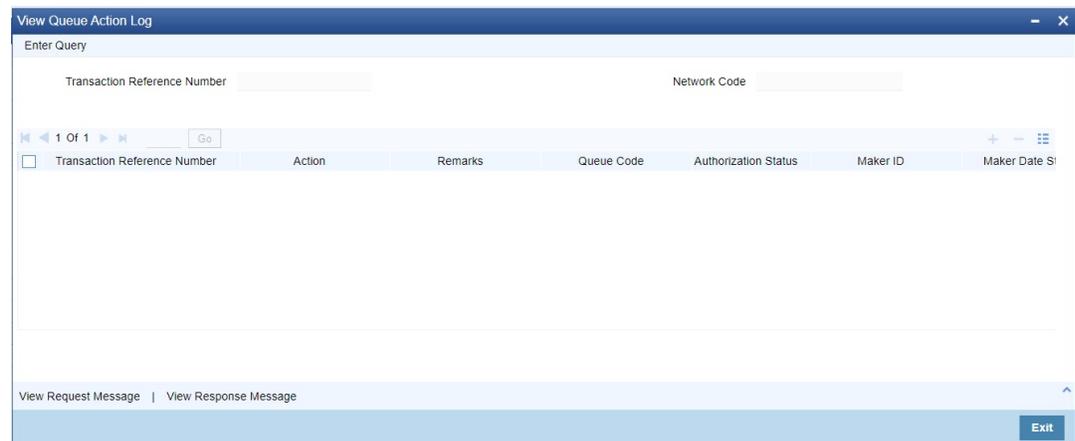
**Table 2-18 (Cont.) MIS Button - Field Description**

Field	Description
<b>Transaction MIS</b>	You can populate the default MIS values for Transaction MIS classes for the MIS group. Alternatively, you can change one or more default MIS values or specify additional MIS values. Or, you can select MIS values from the option list.
<b>Composite MIS</b>	You can populate the default MIS values for Composite MIS classes for the MIS group. Alternatively, you can change one or more default MIS values or specify additional MIS values. Or, you can select MIS values from the option list.

## View Queue Action Log

1. You can view all the queue actions for the respective transaction initiated. You can invoke this screen by clicking the **View Queue Action** tab in main screen, where the Transaction Reference Number is auto populated and Queue movement related details are displayed.
2. Click the **View Queue Action Log** button to invoke the sub-screen.

**Figure 2-28 View Queue Action Log**



3. 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

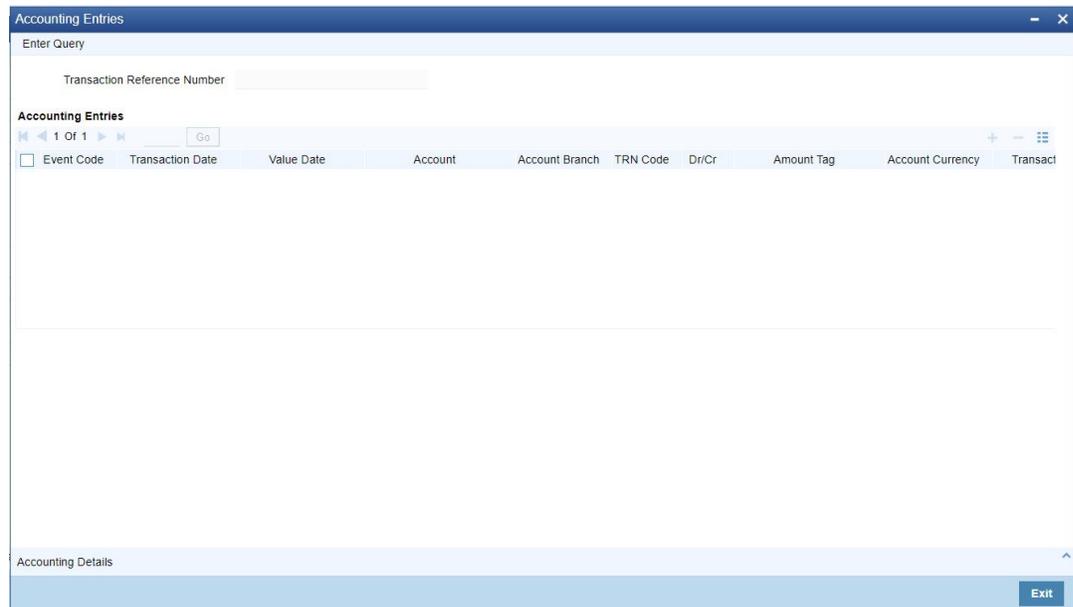
You can view the request sent and the corresponding response received for each row in Queue Action Log.

4. Also, you can view the request sent to and the response received from external systems for the following:
  - Sanction System
  - External Credit Approval
  - External Account Check
  - External FX fetch
  - External Price Fetch
  - Accounting System

## Accounting Details

1. Click the **Accounting Details** tab and view the accounting entries for the transaction initiated.

**Figure 2-29 Accounting Entries**



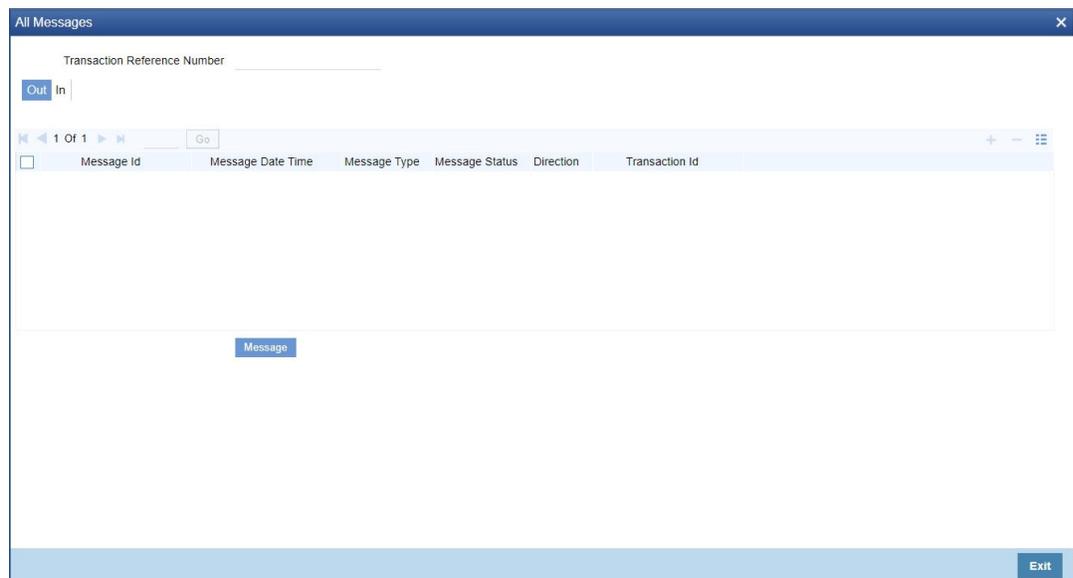
2. By default, the following attributes are displayed:
  - Event Code
  - Transaction Date
  - Value Date
  - Account

- 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

## All Messages

- You can invoke this screen by clicking 'All Messages' tab in the screen. On click of 'All Messages', system displays the below screen, with the outbound pacs.008 message sent, inbound pacs.002 settlement message received.

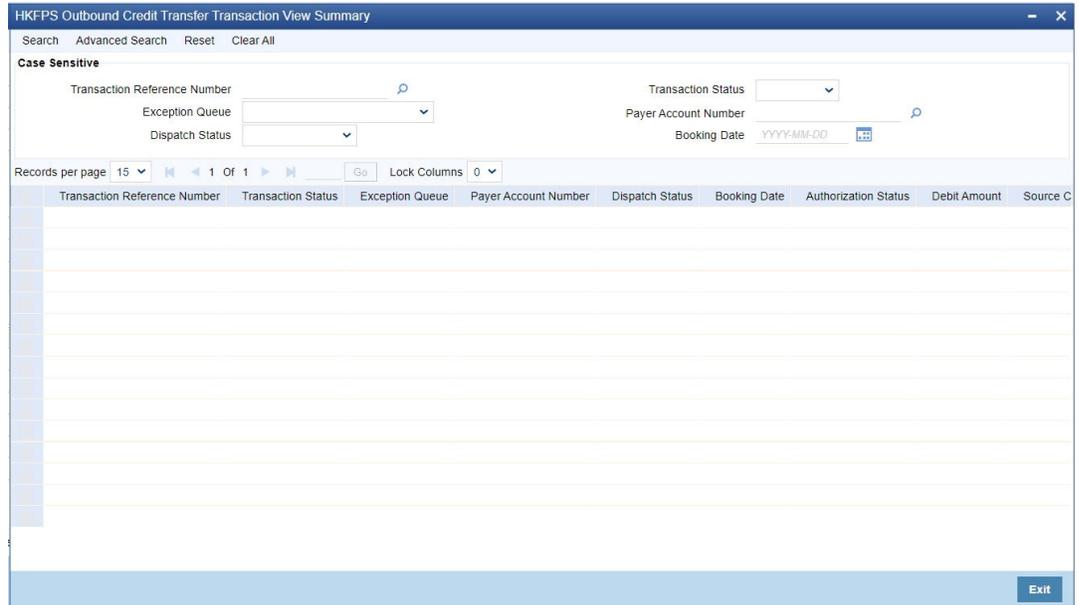
**Figure 2-30 HKFPS Outbound Credit Transfer Transaction View - All Messages**



## HKFPS Outbound Credit Transfer Transaction View Summary

1. On Homepage, specify **PKSOVIEW** in the text box, and click next arrow.  
**HKFPS Outbound Credit Transfer Transaction View Summary** screen is displayed.

**Figure 2-31 HKFPS Outbound Credit Transfer Transaction View Summary**



2. Search using one or more of the following parameters:
  - Transaction Reference Number
  - Transaction Status
  - Exception Queue
  - Payer Account Number
  - Dispatch Status
  - Booking Date
3. Once you specified the parameters, click the **Search** button.  
System displays the records that match the search criteria.

## HKFPS Inbound Real Time Credit Transfer Message Browser

1. On Homepage, specify **PKSINBRW** in the text box, and click next arrow.

HKFPS Inbound Real Time Credit Transfer Message Browser screen is displayed.

Figure 2-32 HKFPS Inbound Real Time Credit Transfer Message Browser

2. Search using one or more of the following parameters:

- Branch
- Original Message ID
- Original Transaction ID
- Message Type
- Network code
- Transaction Reference Number
- FPS Reference Number

- Message Status
  - Settlement Status
  - Message Date
3. Once you specified the parameters, click the Search button.  
System displays the records that match the search criteria.
  4. Perform the following actions:

**Table 2-19 HKFPS Inbound Real Time Credit Transfer Message Browser - Action**

Action	Description
<b>View Message</b>	Click View Message button to invoke the sub screen that displays outgoing pacs.008 messages applicable.
<b>View Transaction</b>	Click View Message button to invoke the sub screen that displays the Inbound view screen (PKDIVIEW) for pacs.008 messages.

## Inbound Transaction Screens

- [HKFPS Inbound Credit Transfer Transaction View](#)
- [HKFPS Inbound Real Time Credit Transfer Message Browser](#)

### HKFPS Inbound Credit Transfer Transaction View

1. On Homepage, specify **PKDIVIEW** in the text box, and click next arrow.  
**HKFPS Inbound Credit Transfer Transaction View** screen is displayed.

**Figure 2-33 HKFPS Inbound Credit Transfer Transaction View**

2. On **HKFPS Inbound Credit Transfer Transaction View** screen, specify the fields.

**Table 2-20 HKFPS Inbound Credit Transfer Transaction View - Field Description**

Field	Description
<b>Transaction Branch</b>	This field displays the Transaction Branch details.
<b>Transaction Reference Number</b>	This field displays the Transaction Branch Number, using the current logic.
<b>Host Code</b>	This field displays the Host Code details.
<b>Transaction ID</b>	Transaction ID received in the pacs.008 message is populated.
<b>Source Code</b>	This field displays 'HKPFS' for transactions received from the clearing network.
<b>Network Code</b>	Network Code maintained in PKDICTPF screen for the inbound payment is displayed.
<b>End to End ID</b>	End to End id received in the pacs.008 message is populated.
<b>Message ID</b>	Message Id received in the pacs.008 message is populated.
<b>Payee Account Verification</b>	If Checked: populate 'PERFORM_PYE_VRF' If un-checked: populate 'SKIP_PYE_VRF'

- [Main Tab](#)
- [Additional Details](#)
- [Processing Status Tab](#)
- [Pricing Tab](#)
- [Exception Tab](#)
- [UDF Button](#)
- [MIS Button](#)
- [View Queue Action Log](#)
- [Accounting Details](#)
- [All Messages](#)
- [HKFPS Inbound Credit Transfer Transaction View Summary](#)

## Main Tab

- On **Main Tab**, specify the fields.

**Figure 2-34 HKFPS Inbound Credit Transfer Transaction View - Main Tab**

The screenshot shows the 'Main Tab' of the HKFPS Inbound Credit Transfer Transaction View. The interface includes the following sections and fields:

- Payee Details:**
  - Payee Account Number Type (dropdown)
  - Payee Account Number
  - Payee Account Currency
  - Credit Amount
  - Payee Name
  - Payer ID(Customer Number)
  - Payee Mobile Number
  - Payee Email ID
  - Payee FPS ID
- Payment Details:**
  - Booking Date (YYYYMMDD)
  - Instruction Date
  - Transfer Currency
  - Transfer Amount
  - Exchange Rate
  - FX Reference Number
  - Remarks
  - Payment Details Reference
  - Category Purpose Code
  - Sanction Seizure (dropdown)
  - On Us Transfer (dropdown)
- Payer Details:**
  - Payer Account Number
  - Debtor Name
  - Payer ID
  - Payer Bank Clearing Code

At the bottom of the screen, there is a navigation bar with buttons for 'UDF', 'MIS', 'View Queue Action', 'Accounting Entries', and 'All Messages'. Below this is a status bar with fields for 'Maker Id', 'Checker ID', 'Maker Date Stamp', 'Checker Date Stamp', 'Authorization Status', and an 'Exit' button.

**Table 2-21 HKFPS Inbound Credit Transfer Transaction View\_Main Tab - Field Description**

Field	Description
<b>Payee Details</b>	
Payee Account Number Type	This field displays the Payee Account Number Type.
Payee Account Number	This field displays Payee Account Number as received in the pacs.008 message.
Payee Account Currency	This field displays Payee Account Currency.
Payee Name	This field displays Payee Name.
Payee ID(Customer Number)	This field displays Payee ID. The customer number linked to the payee account are populated.
Payee Mobile Number	This field displays Payee Mobile Number.
Payee Email ID	This field displays Payee Email ID.
Payee FPS ID	This field displays Payee FPS ID.
<b>Payer Details</b>	
Payer Account Number	This field displays Payer Account Number as received in the pacs.008 message.
Debtor Name	This field displays Debtor Name.
Payer ID	This field displays Payer ID.
Payee Bank Clearing Code	This field displays Payer Bank Clearing Code as received in the pacs.008 message.
<b>Payment Details</b>	
Booking Date	This field is defaulted as application server date.
Instruction Date	This field gets defaulted as booking date. Back date / future date is not allowed. It is current dated always for Hong Kong FPS.
Activation Date	Activation date is a derived field based on the instruction date provided. Payment is processed on Activation date. If Instruction date is back-dated, Activation date is moved to Current date. Branch Holidays, Network Holidays are not applicable, if processing mode is Real-Time as maintained in PKDOCTPF.
Instructed Currency Indicator	This field displays Instructed Currency Indicator from the following: <ul style="list-style-type: none"> <li>Debit Currency</li> <li>Transfer Currency</li> </ul>
Instructed Currency	This field displays Instructed Currency.
Instructed Amount	This field displays Instructed Amount.
Transfer Currency	This field displays Transfer Currency. If the network allows only single currency as per HKFPS Network currency preferences (PKDHFNC) maintained, this currency is populated as transfer currency.
Transfer Amount	This field displays the Transfer Amount received in the outbound payment.
Exchange Rate	System picks up exchange rate during 'Enrich' provided the transfer amount is less than small FX limit maintained. If there exchange rate is not available, a proper error message is shown. Based on transfer amount input, the other amount is computed by the system. If transfer amount is more than small FX limit and if external exchange rate is applicable, then rate pick up happens during transaction processing.

**Table 2-21 (Cont.) HKFPS Inbound Credit Transfer Transaction View\_Main Tab - Field Description**

Field	Description
FX Reference Number	This field displays FX Reference Number.
Remarks	This field displays Remarks, if any.
Payment Details Reference	This field displays any payment specific reference this field. This is defaulted to transaction reference number and editable.
Category Purpose Code	This field displays Category Purpose Code from the following: <ul style="list-style-type: none"> <li>• CXPSNL - For General Personal Payment (Deafult)</li> <li>• CXBSNS - For General Business Payment</li> <li>• CXMRCH - For Merchant Payment</li> <li>• CXSALA - For Salary and Benefits Payment</li> </ul>
Sanction Seizure	This field displays Sanction Seizure.
On Us Transfer	This filed is displayed the following: <ul style="list-style-type: none"> <li>• Yes</li> <li>• No</li> </ul>

## Additional Details

- On **Additional Details** button, specify the fields.

**Figure 2-35 HKFPS Inbound Credit Transfer Transaction View - Additional Details**

**Table 2-22 HKFPS Inbound Credit Transfer Transaction View\_Additional Details - Field Description**

Field	Description
<b>Transaction Reference Number</b>	This field displays Transaction Reference Number.
<b>Host Code</b>	This field displays Host Code.
<b>Network Code</b>	This field displays Network Code.
<b>Activation Date</b>	The field displays Activation Date.
<b>Payment Details (Unstructured)</b>	--
<b>Remittance Information 1-6</b>	This field displays the payment related information here.

**Table 2-22 (Cont.) HKFPS Inbound Credit Transfer Transaction View\_ Additional Details - Field Description**

Field	Description
<b>Purpose Details</b>	--
<b>Category Purpose Code</b>	This field displays Category Purpose Code from the list of values.
<b>Purpose Value</b>	This field displays any non-ISO purpose codes here.

## Processing Status Tab

- This tab provides the Transaction Status Details, External System Requests Status, Dispatch and Error details.

**Figure 2-36 HKFPS Inbound Credit Transfer Transaction View - Processing Status Tab**

## Pricing Tab

1. You can view the charge amount computed by the system for each of the Pricing components of the Pricing code linked to the network code of the transaction.
2. For the Transaction initiated, system displays the fees/tax charged in this tab. Click the "Pricing" tab.
3. On **Pricing Tab**, specify the fields.

**Figure 2-37 HKFPS Inbound Credit Transfer Transaction View - Pricing Tab**

**Table 2-23 HKFPS Inbound Credit Transfer Transaction View\_Pricing Tab - Field Description**

Field	Description
Pricing Component	System displays each Pricing component of the Pricing code from the Pricing Code Maintenance.
Pricing Currency	System displays Pricing currency of each Pricing component of the Pricing code.
Pricing Amount	System displays calculated Charge amount for each Pricing component of the Pricing code.
Waived	System displays if charges for any Pricing component are waived in the Pricing maintenance.
Credit Currency	System displays currency of the Charge account to be credited for the charges.
Credit Amount	System displays Charge amount for each Pricing component credited to the charge account in Debit currency. If the Pricing currency is different from the Credit currency the calculated charges are converted to the Credit currency and populated in this field.

## Exception Tab

- This tab provides the Return and Network Reject Details.

**Figure 2-38 HKFPS Inbound Credit Transfer Transaction View - Exception**

## UDF Button

1. This sub-screen defaults values of UDF fields that are part of the UDF group specified for the 'Manual' source.
2. Click the **UDF button** to invoke the 'UDF' sub-screen.
3. On **UDF Button**, specify the fields.

**Figure 2-39 UDF Button**



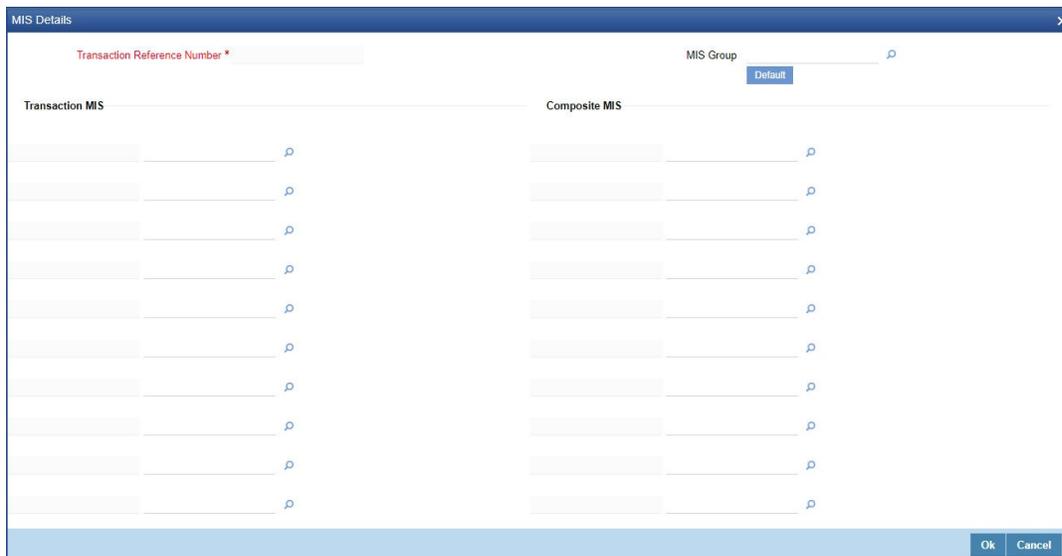
**Table 2-24 UDF Button - Field Description**

Field	Description
Field Label	System displays all fields that are part of the associated UDF group.
Field Value	System displays the default value, where exists for the UDF fields. You can change the default value or specify value for other fields (where default value does not exist).

## MIS Button

1. You can maintain the MIS information for the Transaction. If the MIS details are not entered for the Transaction the same is defaulted from the product maintenance.
2. Click the **MIS** button to invoke the 'MIS' sub-screen.
3. On **MIS Button**, specify the fields.

**Figure 2-40 MIS Button**



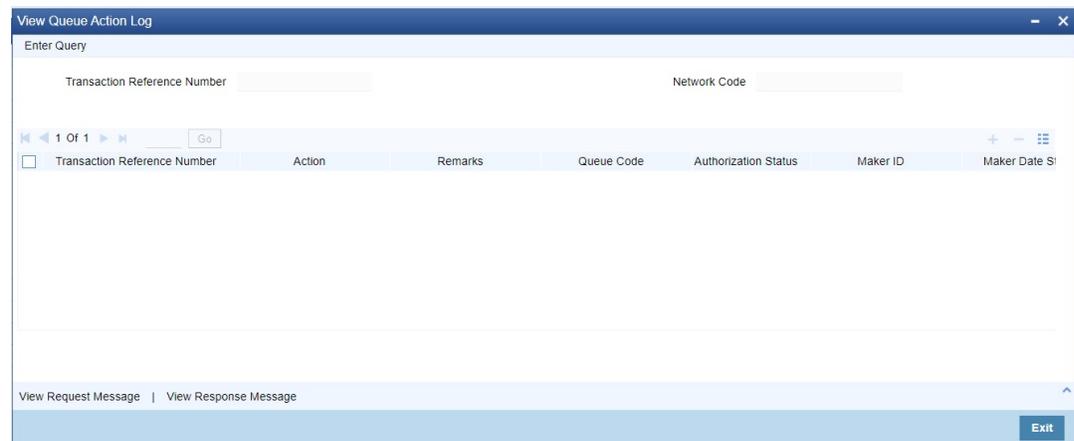
**Table 2-25 MIS Button - Field Description**

Field	Description
<b>Transaction Reference</b>	System displays the transaction reference number of the transaction.
<b>MIS Group</b>	You can select the MIS group code from the option list, or specify the code for the MIS group in the Source maintenance. The system displays all valid MIS groups for different sources in the MIS group list in the Source maintenance. When booking a transaction from this screen, the MIS group linked to the 'Manual' source is populated by default.
<b>Default button</b>	After selecting a MIS group different from the default MIS Group, click this button to populate any default MIS values and link them to the Transaction MIS and Composite MIS classes.
<b>Transaction MIS</b>	You can populate the default MIS values for Transaction MIS classes for the MIS group. Alternatively, you can change one or more default MIS values or specify additional MIS values. Or, you can select MIS values from the option list.
<b>Composite MIS</b>	You can populate the default MIS values for Composite MIS classes for the MIS group. Alternatively, you can change one or more default MIS values or specify additional MIS values. Or, you can select MIS values from the option list.

## View Queue Action Log

1. You can view all the queue actions for the respective transaction initiated. You can invoke this screen by clicking the **View Queue Action** tab in main screen, where the Transaction Reference Number is auto populated and Queue movement related details are displayed.
2. Click the **View Queue Action Log** button to invoke the sub-screen.

**Figure 2-41 View Queue Action Log**



3. 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

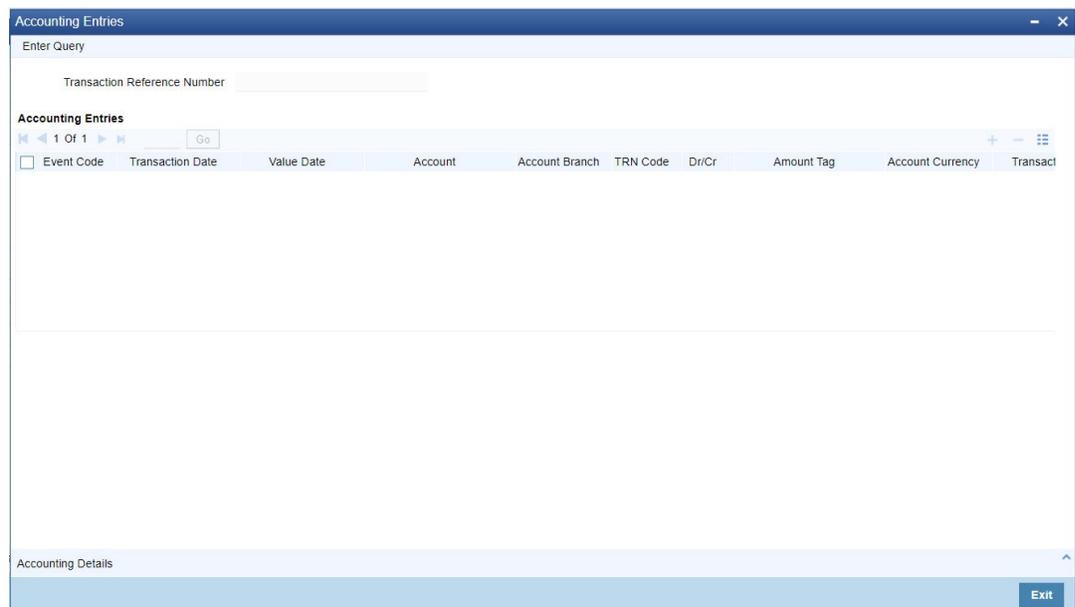
You can view the request sent and the corresponding response received for each row in Queue Action Log.

4. Also, you can view the request sent to and the response received from external systems for the following:
  - Sanction System
  - External Credit Approval
  - External Account Check
  - External FX fetch
  - External Price Fetch
  - Accounting System

## Accounting Details

1. Click the **Accounting Details** tab and view the accounting entries for the transaction initiated.

**Figure 2-42 Accounting Entries**

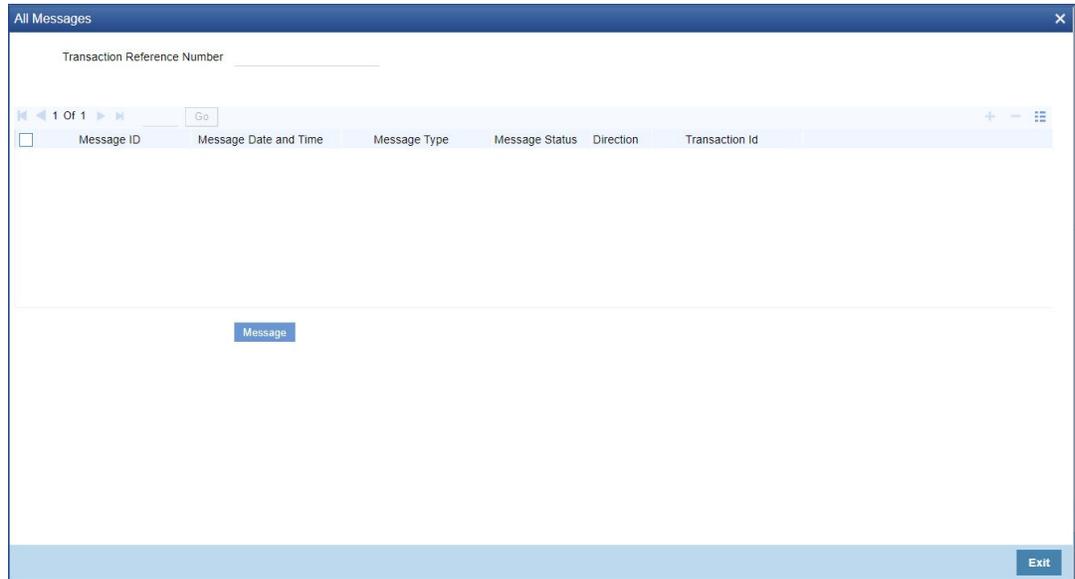


2. By default, the following attributes are displayed:
  - Event Code
  - Transaction Date
  - Value Date
  - Account
  - Account Branch
  - TRN Code
  - Dr/Cr
  - Amount Tag
  - Account Currency
  - Transaction Amount
  - Netting
  - Offset Account
  - Offset Account Branch
  - Offset TRN Code
  - Offset Amount Tag
  - Offset Currency
  - Offset Amount
  - Offset Netting
  - Handoff Status

## All Messages

- You can invoke this screen by clicking 'All Messages' tab in the screen. On click of 'All Messages', system displays the below new screen, with the incoming pacs.008 message received.

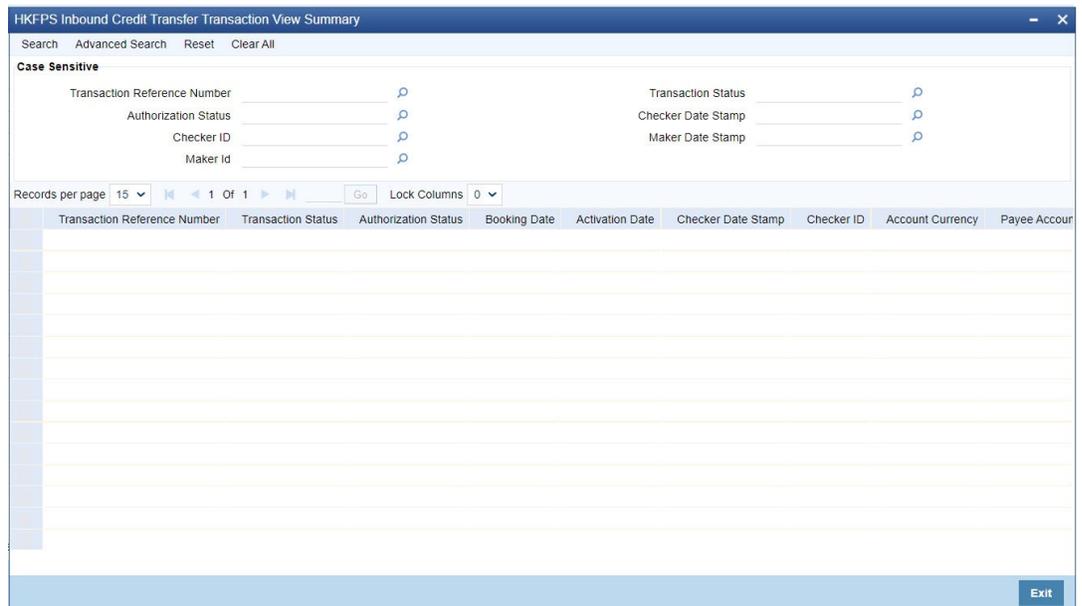
**Figure 2-43 HKFPS Inbound Credit Transfer Transaction View - All Messages**



## HKFPS Inbound Credit Transfer Transaction View Summary

1. On Homepage, specify **PKSIVIEW** in the text box, and click next arrow.  
**HKFPS Inbound Credit Transfer Transaction View Summary** screen is displayed.

**Figure 2-44 HKFPS Inbound Credit Transfer Transaction View Summary**



2. Search using one or more of the following parameters:
  - Transaction Reference Number
  - Transaction Status
  - Authorization Status

- Checker Date Stamp
  - Checker ID
  - Maker Date Stamp
  - Maker Id
3. Once you specified the parameters, click the Search button.  
System displays the records that match the search criteria.

## HKFPS Inbound Real Time Credit Transfer Message Browser

1. On Homepage, specify **PKSINBRW** in the text box, and click next arrow.

HKFPS Inbound Real Time Credit Transfer Message Browser screen is displayed.

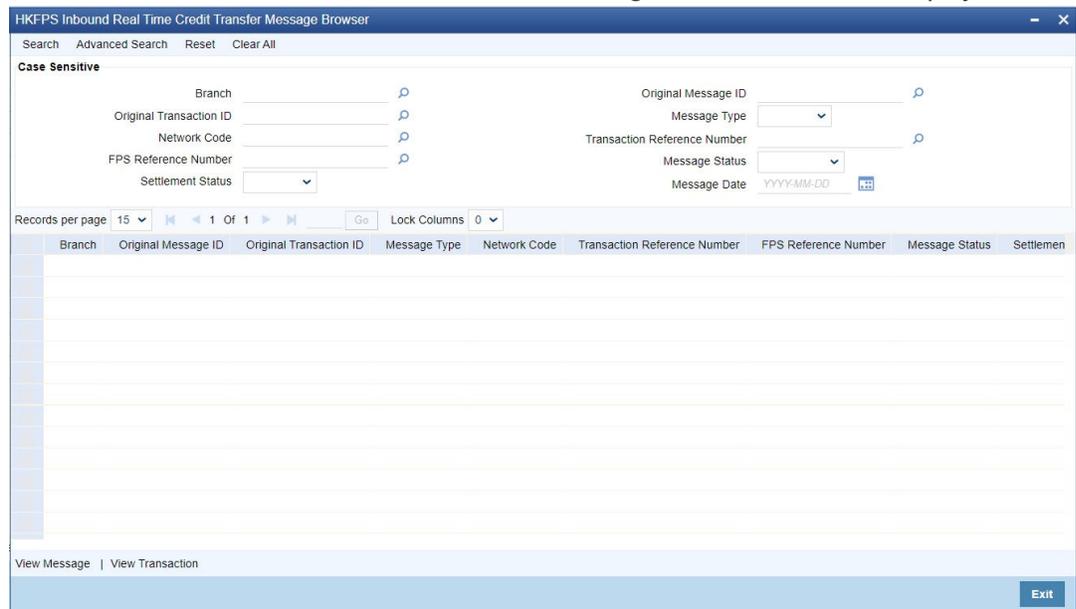
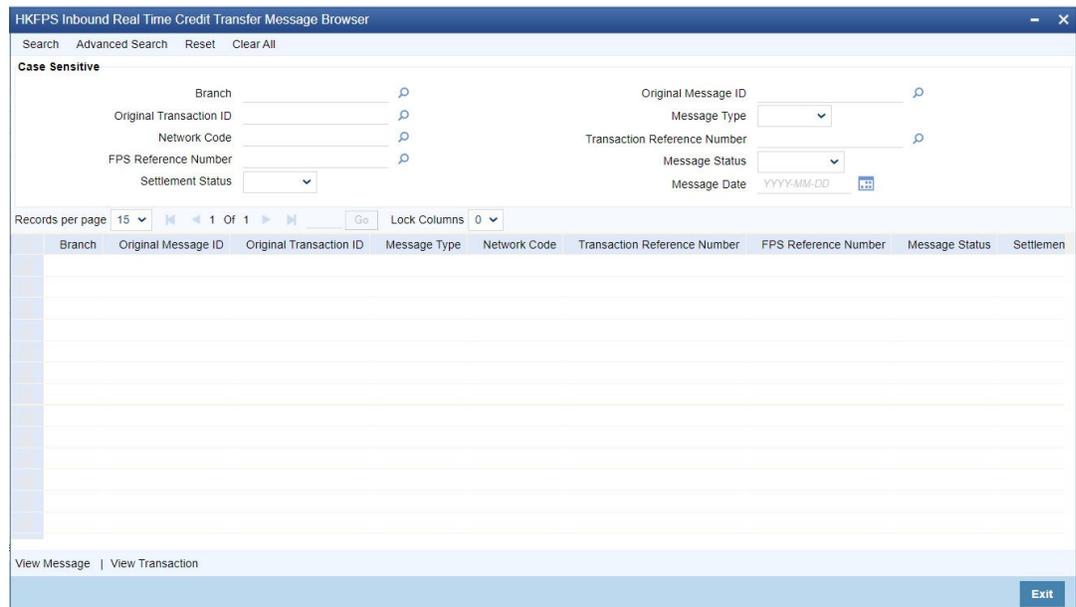


Figure 2-45 HKFPS Inbound Real Time Credit Transfer Message Browser



2. Search using one or more of the following parameters:
  - Branch
  - Original Message ID
  - Original Transaction ID
  - Message Type
  - Network code
  - Transaction Reference Number
  - FPS Reference Number
  - Message Status
  - Settlement Status
  - Message Date
3. Once you specified the parameters, click the Search button.  
System displays the records that match the search criteria.
4. Perform the following actions:

**Table 2-26 HKFPS Inbound Real Time Credit Transfer Message Browser - Action**

Action	Description
<b>View Message</b>	Click View Message button to invoke the sub screen that displays outgoing pacs.008 messages applicable.
<b>View Transaction</b>	Click View Message button to invoke the sub screen that displays the Inbound view screen (PKDIVIEW) for pacs.008 messages.

# 3

## HKFPS Processing

- [Outbound Credit Transfer Processing](#)
- [Inbound Credit Transfer Processing](#)

### Outbound Credit Transfer Processing

- [OBPM Internal/External Queues](#)
- [Mandatory Checks](#)
- [Referential Integrity Check & Initial Validations](#)
- [Holiday Check & Date Derivation](#)
- [Network Validations & Special Character Replacement](#)
- [Duplicate Check](#)
- [Sanction Check](#)
- [Small FX Limit Check & Currency Conversion](#)
- [Pricing Check](#)
- [ECA Check](#)
- [Accounting Preferences Check](#)
- [Network Cutoff Check](#)
- [Message Generation and Dispatch](#)
- [On-Us Transfer Check](#)
- [Notifications](#)
- [Inbound Pacs.002 Payment Settlement Message Processing](#)

### OBPM Internal/External Queues

Exception queues are not applicable.

Transactions are logged in queue in case of any validation failure and upfront rejected with the appropriate error message depending on the stage at which transaction failed.

Below are the validation done on Save of the transaction:

### Mandatory Checks

Mandatory checks are done as per current functionality for processing outbound payments,

Below fields are mandatory in the request for HKFPS outbound payments:

- Host Code

- Network Code
- Source Code
- Payer Account Number
- Payee Bank Clearing Code
- Payee Account Number
- Payee Mobile Number
- Payee Email ID
- Payee FPS ID
- Payee Name
- Transfer Currency
- Transfer Amount
- Instruction Date

## Referential Integrity Check & Initial Validations

1. Following parameters are validated with the static maintenance available for existence of the values:

Parameter	Description
Network code	Validated against the static maintenance (PMDNWCOD) available.
Currency Codes	In HKFPS Network Currency preferences (PKDHFNC), a record should be available for the Network Code, Network Currency combination. i.e HKD, RMB as required.
Host Code	This field is checked against valid host codes available in Host Code maintenance (STDHSTCD).
Transaction Branch Code	This has to be a valid branch maintained in system.
Debit Customer (Payer)	This is validated to check whether customer number is valid and existing.
Customer Account (Payer)	The customer account is verified to check whether it is valid and existing for the customer.
Transaction Branch - HKFPS Network Directory Check	<p>To identify if the network is allowed for the bank branch clearing code (Transaction Branch), system performs below check:</p> <ul style="list-style-type: none"> <li>• Derive the transaction branch clearing code from 'Branch Identifier for HKFPS Network (PKDHFBR)' based on the transaction branch code.</li> <li>• Check if the Network Directory key is maintained as same in the following screens/ tables: <ul style="list-style-type: none"> <li>- Network Directory Key maintained at 'HKFPS Network Directory (PKDHFDR)' for the derived transaction branch clearing code = Network Directory Key maintained at 'HKFPS Network Currency Details (PKDHFNC)' for the corresponding network code- transfer currency.</li> </ul> </li> <li>• If the above condition is not satisfied, a proper error message is given 'Transaction Branch clearing code, Network Directory Key combination does not match the Network Currency - Network Directory combination.</li> </ul>

Parameter	Description
On Us Transfer	If the payee account belongs to the same Bank and Host and Dispatch is not applicable, then 'On Us Transfer' flag is checked by the system during processing. This flag indicates that payee account is internal to Bank and dispatch to Network is not applicable.

2. If any of the above validation fails, transaction is rejected with proper error code.

## Holiday Check & Date Derivation

Holiday Check i.e., Branch Holidays, Network Holidays are not applicable for outbound HKFPS payments if processing mode is real time as maintained in (PKDOCTPF).

Activation Date is derived as same as Instruction Date.

Future date as Instruction Date is not allowed. Transaction is rejected with proper error code.

If Instruction date is back-dated, Activation date is moved to Current date.

## Network Validations & Special Character Replacement

Payer/Payee/Bank/Additional details entered for a payment transaction are validated against valid characters allowed for the network.

- HKFPS Allowed characters set: A-Z, a-z, 0-9
- HKFPS Allowed special characters: !@#\$%^&\*()\_+{}|:<>?-=';','./

If fields contain any invalid HKFPS character, then transaction is rejected with proper error code. Following fields are validated:

- Payer Name, Payer ID
- Payee Mobile Number, Payee Email ID, Payee FPS ID, Payee Name, Payee ID
- Remarks

Special characters entered in a payment transaction are validated and replaced with specific characters as defined in Special Characters maintenance.

## Duplicate Check

Duplicate checks are done during transaction processing. Payment fields maintained for duplicate check in Source maintenance (PMDSORCE) are matched with all the payments booked within the duplicate period.

Booking date of the payments are considered for checking duplicate payments. Duplicate period is considered based on the number of days maintained for duplicate check for the source (PMDSORCE). If the maintenance is not available, no duplicate check is done.

Transaction is rejected with proper error code in case of duplicate transaction.

The following parameters are available for duplicate check:

- Payer Account : DBTR\_ACC
- Payee Account: CRDTR\_ACC (Mobile Number, Email ID, FPS ID is mapped to this element)
- Transfer Amount: TFR\_AMT
- Instruction Date: VALUE\_DATE

- Payee Bank Clearing Code: CRDTR\_BANK\_CODE (For HKFPS, Clearing Codes are mapped for this element)

Below are the validations done on Authorization of the transaction:

## Sanction Check

Sanction check for HKFPS outbound payment transaction is done on payment activation date (current dated).

System verifies whether sanction check is applicable in Network Preferences, for outbound transaction type and initiates sanction check validation. Sanction check reference number is generated by system.

Out queue name for sending the sanction check relevant transaction details and In queue name for the response is fetched from 'Sanction Check System' maintenance.

Sanction Check system provides a response for the request. External system sanction status can be mapped to a system sanction status. This maintenance is available as part of Sanction Check Maintenance.

The system sanction status can be:

- Approved: Sanction check is approved by the external system
- Interim: Interim status or approval with override is received from external system
- Rejected.:This indicates that the contract failed sanction check

If the sanction check response status for a payment transaction is 'Approved', then further processing continues.

If the sanction check response status is 'Interim' or 'Rejected' then transaction is rejected with proper error code.

The seizure functionality of parking the funds to Seizure GL applies if a transaction is rejected and "Seize on Reject" flag is enabled at Sanctions Check System maintenance.

During seizure processing, the customer account (for outbound)/Nostro or Clearing GL (for incoming) is debited and Compliance Suspense GL is credited. Transaction Charges are not computed. Dispatch/Message generation is skipped for outbound transactions. Transaction status is marked as 'Cancelled' and 'SC Seizure' flag at transaction level is marked as 'Yes'.

## Small FX Limit Check & Currency Conversion

For a cross currency payment transaction where debit currency and transfer currency are different, exchange rate maintained for the transaction branch in the Core system is considered.

If Small FX limit is defined in HKFPS Outbound Credit Transfer Preferences' (PKDOCTPF), then the auto rate pick up happens only if the transfer amount is within the small FX limit.

Transfer amount is converted limit currency maintained using midrate of FX rate type linked and limit check is done.

Exchange Rate Type is based on HKFPS Outbound Credit Transfer Preferences' (PKDOCTPF), maintained. Buy/Sell indicator is derived by the system based on the currency pair maintenance available.

If the transfer amount is above the small FX limit specified, system checks whether External Exchange Rate is applicable in HKFPS Outbound Credit Transfer Preferences' (PKDOCTPF).

If external system is available the transaction details, then system interfaces with external system for receiving the exchange rate along with FX Reference Number.

Based on the response received, exchange rate is populated and further processing of transaction continues.

If Small FX limit is not maintained auto rate pick up is done for all cross currency payment transactions without any limit check.

Payment is rejected in the following cases with proper error code details:

- Exchange Rate derivation based on core system maintenance fails
- Small FX limit is breached and no external exchange rate system maintenance is available

For transactions received from UI input, exchange rate is already available as part of transaction details and no processing on exchange rate is done again.

## Pricing Check

Charge computation for HKFPS payment transaction is made based on the “External Pricing Applicable” flag set at Source Network Preferences level.

If External pricing is not applicable for the Source and Network combination, then Charge and tax for HKFPS Payment transaction is calculated based on the Pricing Code linked in the outbound credit transfer payment preferences (PKDOCTPF).

Pricing components applicable to the price code and the attributes like whether the component is a charge or tax, Pricing currency and the exchange rate type are derived from Pricing Code maintenance (PPDCDMNT).

For the payment source of the transaction and applicable service model of debit customer, pricing values are fetched from Pricing Value Maintenance (PPDVLMT).

The pricing value record valid for current date only is considered. Any pricing value record maintained with a future effective date is excluded.

Charge components are processed prior to tax components involved. If a charge component is waived, the related tax also is waived automatically.

If “External Pricing Applicable” flag is set as Yes at Source Network Preferences, charge calculation is skipped and system captures the pricing details from External Pricing System.

If the pricing check response status is 'Interim' or 'Rejected', then transaction is rejected with proper error code.

## ECA Check

Payments is sending debit accounting entries pertaining to payment amount and charge/tax amounts to external system for credit checks. ECA checks are done on activation date (current dated).

External Credit Approval is done for all the external accounts for which debit entries are getting posted. Debit account entry details are sent in JMS queues to external ECA system.

Transaction ECA status is updated based on the response received from the external system.

The ECA system is expected to validate the following and send the response:

- Existence of the account
- Currency of the account specified is correct

- Account belongs to the customer specified
- Account exists on the specified branch
- Account is authorized, active & open
- Account status is Normal i.e., not Dormant
- Debit is not restricted on the account
- Clear available balance in the account is greater than the transaction amount specified
- Amount block is successfully executed for the specified transaction amount. Expiry date of the transaction is transaction value date

If the ECA response status for a payment transaction is 'Approved', then further processing continues.

If ECA validation fails i.e. the status is 'Interim' or 'Rejected', transaction is rejected with proper error codes.

## Accounting Preferences Check

**Before Messaging:** If the accounting preference chosen for the Network is 'Before Messaging' as maintained in 'HKFPS Outbound Credit Transfer Preferences' (PKDOCTPF), the Message Generation and Handoff of Payment message is subsequent to debit/credit accounting for the outbound payment. However, the payment processor do not wait for the accounting success/failure response from Accounting/DDA system.

- In case of payment rejection as per pacs.002 response from network, Accounting reversal request is sent to DDA system and payment status is reversed.

**On Confirmation from CI:** If the accounting preference selected is 'On confirmation from ICL', the debit /credit accounting is passed only after the receipt of pacs.002 response from network. If the payment is rejected the balance block (ECA) reversal request is sent to DDA system.

**Accounting entries:** The following details are sent to accounting system in an xml format to External Accounting System as part of Debit/Credit liquidation:

Details in Accounting hand-off	Debit Liquidation	Credit Liquidation
Accounting Event	DRLQ	CRLQ
Amount Tag	XFER_AMT	XFER_AMT
Transaction Account	Payer Account	Outward Clearing GL maintained in the Accounting code. If Nostro Account (Network Account) is maintained in (PKDOCTPF) that is considered
Offset Account	This is picked from the Debit Liquidation Accounting code maintenance	This is picked from the Credit Liquidation Accounting code maintenance
Transaction Currency	Debit Account Currency	Transfer Currency
Transaction Amount	Debit Amount	Transfer Amount
Transaction Date/ Value Date	Activation Date	Activation Date
Offset Currency	Transfer Currency	Transfer Currency
Offset Amount	Transfer Amount	Transfer Amount

Details in Accounting hand-off	Debit Liquidation	Credit Liquidation
Local Currency Amount	<p>If either transaction currency or offset currency is local currency, corresponding amount is handed off as local currency amount.</p> <p>If not, transfer amount is converted to local currency in mid-rate.</p>	Local currency amount of DRLQ is used.

## Network Cutoff Check

Network Cutoff check is not applicable for outbound HKFPS payments if processing mode is real time as maintained in (PKDOCTPF).

## Message Generation and Dispatch

Only 'Real Time' processing mode is supported.

System generates real-time dispatch of pacs.008 message with single payment transaction in HKFPS standard ISO 20022 format.

Message dispatch is done on activation date (current dated) for real time payments.

## On-Us Transfer Check

Before dispatch of the outbound pacs.008 message, system checks if the outbound payment is On-Us Transfer or not.

If the outbound payment is derived as 'On-Us Transfer' (Yes), then system further checks

- If 'Dispatch On-Us Transfer' flag is 'checked' or 'un-checked' at 'HKFPS Outbound Credit Transfer Payment Preferences screen (PKDOCTPF)
  - If 'Y' (Checked), then system hand-off the outbound pacs.008 message to FPS.
  - If 'N' (Un-checked), then outbound pacs.008 message is not handed off to FPS. Instead system automatically books an inbound credit transfer payment for the same.

On Us Transfer: Payer & Payee Account numbers are within the different branches of the same bank or within the same branch. A record for payee bank clearing code is present in 'Branch Identifier for HKFPS Network (PKDHKFBR)'

- If the outbound payment is not a 'On-Us Transfer'
  - Outbound pacs.008 message is handed off to FPS

## Notifications

Notifications are posted asynchronously to Notification Queue in a generic xml format for payment status (and is available for consumption to external systems).

Applicable Notification events: PAYMENT\_SUCCESS, PAYMENT\_CANCEL, PAYMENT\_CREDIT\_CONFIRMED (on receipt of pacs.002).

The generated notifications can be viewed from Notification Browser (PMSNOTFY).

## Inbound Pacs.002 Payment Settlement Message Processing

On receipt of incoming pacs.002, system matches to the original outbound payment based on 'Message ID'.

- Check <Document><pacs.002.001.08">, if <TxInfAndSts> is 'ACSC' or not
- Match based on <OrgnlMsgId> of incoming pacs.002 = <MsgId> of outgoing pacs.008
- and update the outbound CT payment settlement status (New Field in main) 'Settled', 'Rejected' or 'Pending' (i.e. pacs.002 message yet to be received)

Reason Code <TxInfAndSts/ TxSts>	Settlement Status	Transaction Status
If ACSC	Settled	Processed
If Other than ACSC	Rejected	Rejected

## Inbound Credit Transfer Processing

- [OBPM Internal/External Queues](#)
- [Message Upload - Account Branch/Host/Network/Transaction Type Derivation](#)
- [Payee Account Verification Check](#)
- [Mandatory Checks](#)
- [Referential Integrity Check & Initial Validations](#)
- [Duplicate Check](#)
- [Sanction Check](#)
- [FX Limit Check](#)
- [External Account Check](#)
- [Pricing Check](#)
- [Debit/Credit Liquidation](#)
- [Notifications](#)

## OBPM Internal/External Queues

Exception queues are not applicable.

Transactions are logged in queue (except the below) in case of any validation failure and upfront rejected with the appropriate error message depending on the stage at which transaction failed:

- **Sanction Check** - However Payment is auto- rejected (with appropriate reject reason code) in case SC Response is 'Rejected', 'Interim'. None of the queue actions are allowed.
- **EAC Check** - However Payment is auto- rejected (with appropriate reject reason code) in case EAC Response is 'Rejected', 'Interim'. None of the queue actions are allowed.
- **Exchange Rate Queue** - Rate Input, Resend actions are allowed.

## Message Upload - Account Branch/Host/Network/Transaction Type Derivation

Background job is available for reading the incoming pacs.008 message and to populate the data into staging table. Source code is derived as 'HKFPS'.(Hard-Coded Value).

System performs branch, network & value date resolutions at this stage.

### Transaction Account Branch & Host Resolution:

- System derives the transaction account branch from the below tag in the incoming pacs.008 message.
- <CtrAgt\FinInstnId\BICFI\ClrSysMmbld\Mmbld>
- Above, transaction branch clearing code is compared with branch codes mapped in 'Branch Identifier for HKFPS Network (PKDHKFBR).
- Once the branch code is identified, system checks Core maintenance for branches (STDCRBRN) to derive the linked Host code for the branch.

### Network & Transaction Type Resolution:

- Network Code is derived based on 'Network Directory Key' (Hard-Coded Value 'HKFPS') maintained in 'HKFPS Network Currency Details (PKDHKFNC).
- The Transaction type\* is derived as 'Incoming' based on the network code maintained in 'HKFPS Inbound Credit Transfer Preferences' (PKDICTPF).
- \* This term has been used as reference. There is no corresponding field.

### Payment Value Date Resolution:

- Holiday Check i.e., Branch Holidays are not applicable for inbound HKFPS payments if processing mode is real time as maintained in (PKDICTPF).
- Interbank Settlement Date is considered as Instruction date for incoming payment.
- Activation Date is derived as same as Instruction Date.
- If Instruction date is back-dated, Activation date is moved to Current date.

Transaction reference number is generated as per existing logic.

Reference Numbers as received from incoming message are stored in the following fields:

- Transaction Identification stored in Original Transaction ID.
- End to end Identification stored in End to End ID.
- Clearing system reference stored in FPS Reference Number.

Interbank settlement amount/currency is considered as transfer currency for incoming transactions.

System performs mandatory field checks & referential integrity checks during transaction saving.

## Payee Account Verification Check

System checks for the following from the incoming pacs.008 message:

- <LclInstrm><Prtry> ="SKIP\_PYE\_VRF"

- If the above condition is satisfied, in case of any subsequent validation failure during processing of inbound payments, system generates pacs.004 payment return message.

## Mandatory Checks

Below fields are mandatory for booking HKFPS incoming payment:

- Host Code
- Transaction Branch
- Network Code
- Source Code
- Payer Account Number
- Payer Bank Clearing Code
- Payee Bank Clearing Code
- Payee Account Number
- Transfer Currency
- Transfer Amount
- Instruction Date

## Referential Integrity Check & Initial Validations

Following parameters are validated with the static maintenance available for existence of the values:

**Network code:** Validated against the static maintenance (PMDNWCOD) available.

**Currency Codes:** In HKFPS Network Currency preferences (PKDHFNC), a record should be available for the Network Code, Network Currency combination. i.e HKD, RMB as required.

**Host Code:** This field is checked against valid host codes available in Host Code maintenance (STDHSTCD).

**Transaction Branch Code:** This has to be a valid branch in core maintenance.

**Payee Customer Account:** This is validated to check whether customer number is valid and existing.

**Payee Customer Account:** The customer account is verified to check whether it is valid and existing for the customer.

## Duplicate Check

Duplicate checks are done during transaction processing. Payment fields maintained for duplicate check in Source maintenance (PMDSORCE) are matched with all the payments booked within the duplicate period.

Transaction is rejected with proper error code in case of duplicate transaction.

The following parameters are available for duplicate check:

- Payer Account : DBTR\_ACC
- Payee Account: CRDTR\_ACC (Mobile Number, Email ID, FPS ID is mapped to this element.)

- Transfer Amount: TFR\_AMT
- Instruction Date: VALUE\_DATE
- Payee Bank Clearing Code: CRDTR\_BANK\_CODE (For HKFPS, Clearing Codes is mapped for this element)

## Sanction Check

Sanction check for HKFPS incoming payment transaction is done on payment activation date.

If sanction is approved, the transaction is resumed with the further processing.

In case of seizure, Nostro account is debited, and the Seizure GL is credited. (No response is generated)

If the status is rejected, interim or timed out, the transaction is rejected. If SC status is

- Rejected/Interim- Transaction is returned
  - System do not consider SC Final Response for the 'interim' status
- Pending - OBPM awaits a response from SC system and based on the response received, it processes further as above

## FX Limit Check

For a cross currency payment transaction where debit currency and transfer currency are different, exchange rate maintained for the transaction branch in the Core system is considered.

If Small FX limit is defined in HKFPS Inbound Credit Transfer Preferences (PKDICTPF), then the auto rate pick up happens only if the transfer amount is within the small FX limit.

Transfer amount is converted limit currency maintained using midrate of FX rate type linked and limit check is done.

Exchange Rate Type is based on HKFPS Inbound Credit Transfer Preferences' (PKDICTPF), maintained. Buy/Sell indicator is derived by the system based on the currency pair maintenance available.

If the transfer amount is above the small FX limit specified, system checks whether External Exchange Rate is applicable in HKFPS Inbound Credit Transfer Preferences' (PKDICTPF).

If external system is available the transaction details, then system interfaces with external system for receiving the exchange rate along with FX Reference Number.

Based on the response received, exchange rate is populated and further processing of transaction continues.

If Small FX limit is not maintained auto rate pick up is done for all cross currency payment transactions without any limit check.

Payment is moved to Exchange Rate Queue in the following cases with proper error code details:

- Exchange Rate derivation based on core system maintenance fails.
- Small FX limit is breached and no external exchange rate system maintenance is available.
- Only Resend, Rate Input actions are allowed from the queue.

## External Account Check

Credit entry details to payee account are sent to external DDA system for validating external account status.

Credit amount net of charges to be credited to customer account is sent in the JMS request header details. Details about transaction amount, transaction code, netting details and component wise charge details are also part of request message.

- If External Account Check is 'Approved', the transaction is marked as 'Processed'.
- If the EAC status is 'Rejected', 'Interim', then the transaction is returned.
- System do not consider EAC/DDA Final Response for the 'interim' status.

If the EAC status is 'Pending', OBPM awaits a response from EAC/DDA system and based on the response received, it processes further as above.

## Pricing Check

Charge/Tax computation is similar to HKFPS inbound transactions.

Internal pricing calculations is performed for the inbound payment, if applicable.

## Debit/Credit Liquidation

Debit and credit liquidation is done based on the accounting code maintained in HKFPS Inbound Credit Transfer Preferences (PKDICTPF).

The following details are sent to accounting system in an xml format to External Accounting System as part of Debit/Credit liquidation:

Details in Accounting hand-off	Debit Liquidation	Credit Liquidation
Accounting Event	DRLQ	CRLQ
Amount Tag	XFER_AMT	XFER_AMT
Transaction Account	Inward Clearing GL maintained in the Accounting code. If Nostro Account (Network Account) is maintained in (PKDICTPF) that is considered.	Payee Account
Offset Account	This is picked from the Debit Liquidation Accounting code maintenance	This is picked from the Credit Liquidation Accounting code maintenance
Transaction Currency	Transfer Currency	Credit Account Currency
Transaction Amount	Transfer Amount	Credit Amount
Transaction Date/ Value Date	Activation Date	Activation Date
Offset Currency	Transfer Currency	Transfer Currency
Offset Amount	Transfer Amount	Transfer Amount

Details in Accounting hand-off	Debit Liquidation	Credit Liquidation
Local Currency Amount	Local currency amount of DRLQ is used.	<p>If either transaction currency or offset currency is local currency, corresponding amount is handed off as local currency amount.</p> <p>If not, transfer amount is converted to local currency in mid-rate.</p>

## Notifications

Notifications are posted asynchronously to Notification Queue in a generic xml format for payment status and is available for consumption to external systems.

Applicable Notification events: PAYMENT\_SUCCESS.

The generated notifications can be viewed from Notification Browser (PMSNOTFY).

# Glossary

**PKDHKFBR**

[Branch Identifier for HKFPS Network](#)

**PKDHKFCT**

[Network Connectivity Maintenance](#)

**PKDHKFDR**

[HKFPS Network Directory](#)

**PKDHKFNC**

[HKFPS Network Currency Details](#)

**PKDICTPF**

[HKFPS Inbound Credit Transfer Payment Preferences](#)

**PKDIVIEW**

[HKFPS Inbound Credit Transfer Transaction View](#)

**PKDOCTPF**

[HKFPS Outbound Credit Transfer Payment Preferences](#)

**PKDOTONL**

[HKFPS Outbound Credit Transfer Transaction Input](#)

**PKDOVIEW**

[HKFPS Outbound Credit Transfer Transaction View](#)

**PKSHKFBR**

[Branch Identifier for HKFPS Network Summary](#)

**PKSHKFCT**

[Network Connectivity Maintenance Summary](#)

**PKSHKFDR**

[HKFPS Network Directory Summary](#)

**PKSHKFNC**

[HKFPS Network Currency Details Summary](#)

**PKSICTPF**

[HKFPS Inbound Credit Transfer Payment Preferences Summary](#)

**PKSINBRW**

[HKFPS Inbound Real Time Credit Transfer Message Browser](#)

**PKSIVIEW**

[HKFPS Inbound Credit Transfer Transaction View Summary](#)

**PKSOCTPF**

[HKFPS Outbound Credit Transfer Payment Preferences Summary](#)

**PKSOTONL**

[HKFPS Outbound Credit Transfer Transaction Input Summary](#)

**PKSOUTBR**

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**PKDOTONL**

[HKFPS Outbound Credit Transfer Transaction Input](#)

**PKDOVIEW**

[HKFPS Outbound Credit Transfer Transaction View](#)

**PKSHKFBR**

[Branch Identifier for HKFPS Network Summary](#)

**PKSHKFCT**

[Network Connectivity Maintenance Summary](#)

**PKSHKFDR**

[HKFPS Network Directory Summary](#)

**PKSHKFNC**

[HKFPS Network Currency Details Summary](#)

**PKSICTPF**

[HKFPS Inbound Credit Transfer Payment Preferences Summary](#)

**PKSINBRW**

[HKFPS Inbound Real Time Credit Transfer Message Browser](#)

**PKSIVIEW**

[HKFPS Inbound Credit Transfer Transaction View Summary](#)

**PKSOCTPF**

[HKFPS Outbound Credit Transfer Payment Preferences Summary](#)

**PKSOTONL**

[HKFPS Outbound Credit Transfer Transaction Input Summary](#)

**PKSOUTBR**

[#unique\\_116](#)

**PKSOVIEW**

[HKFPS Outbound Credit Transfer Transaction View Summary](#)