



DN Web Client Transaction Research



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Introduction

Purpose

This document is provided to clients using the DataNavigator® Web Client application.

The Transaction Research component of DataNavigator® allows you to search for transactions, review detailed transaction data just minutes after a transaction has occurred, and compare detail for multiple transactions.

In addition, you will have the ability to create and submit exception cases for transactions that did not complete as expected.

Note: *The ability to create and submit exception cases requires the purchase of the Exception Management System, an optional component of the Data- Navigator® Client application. Refer to the DataNavigator® Client Exception Management System User's Guide for more information. Contact your Business Development Executive for more information on optional components.*

This manual contains the following information:

- Instructions for logging onto the DataNavigator® Client application.
- Descriptions of the screens used for Transaction Research.
- Instructions for setting preferences and customizing data displays.
- Instructions for using the standard transaction search and advanced transaction search features.
- Instructions on how to use the on-line help system.

Revision Log

Date	Effective w/Version	Change
August 2020	V2.8	<ul style="list-style-type: none"> • Updated the Visa Information section to reflect the new field CVV/ICVV Results Code in the Unique Transaction Data section. • Updated the Token screen to reflect the new field Requestor-Service Provider ID.
September 2018	V2.8	Updated the Additional Transaction Information screen to reflect the new field AVS Result in Unique Transaction Data section.
August 2018	V2.8	Updated the Visa Information screen to reflect the new field ATM Routing Table ID in the SMS Information section.
March 2018	V2.8	<ul style="list-style-type: none"> • Replaced the screen in the Maestro and Cirrus section. • Added the section Shazam Information
April 2017	V2.8	Updated the version of the manual. No specific changes made in this manual for this version.

Date	Effective w/Version	Change
February 2017	V2.7B	<ul style="list-style-type: none"> Added Maestro and Cirrus in Conditional Links, Tabs, and Buttons. Replaced the MasterCard ISO Information - Part 1 screen. Added MasterCard ISO Information - Part 5 (Additional Transaction Analysis) screen. Added a new section for Maestro and Cirrus.
July 2016	V2.7B	Updated the version of the manual. No specific changes made in this manual for this version.
February 2016	V2.5C	<p>This update is effective as of April 2016 Spring Mandate for Visa.</p> <ul style="list-style-type: none"> Updated the Visa Information screen to reflect the new field Dynamic Currency Conversion in the Base II section. <p>This update is effective as of April 2016 Spring Mandate for MasterCard.</p> <ul style="list-style-type: none"> Updated the MasterCard IPM screen and the MasterCard ISO to reflect the new field Wallet Identifier.

Getting Started

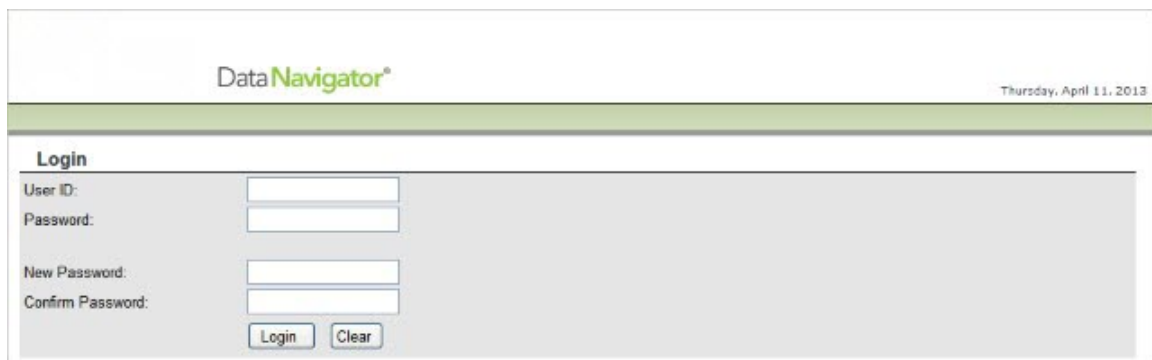
This chapter provides instructions for logging onto the DataNavigator® Web Client application and on each of the main menu components. Only components for which you have system access are displayed on the menu.

Login Screen

Upon launching the DataNavigator Web Client, the user will need to enter a user ID and password.

1. Enter your **User ID**.
2. Enter your **Password**.
3. Click **Login**.

DataNavigator® Login Page



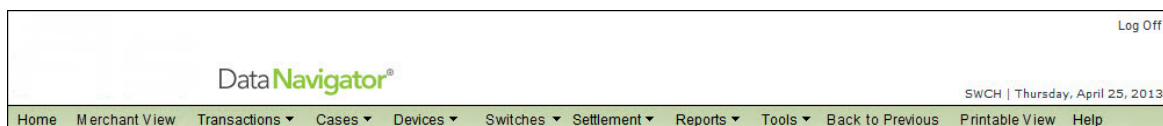
The screenshot shows the DataNavigator® Login Page. At the top, the DataNavigator® logo is on the left and the date "Thursday, April 11, 2013" is on the right. Below the header is a "Login" section with four input fields: "User ID:", "Password:", "New Password:", and "Confirm Password:". Below the "Confirm Password:" field are two buttons: "Login" and "Clear".

Menu Components

Once you login to the DataNavigator® Web Client application, the menu components are displayed.

Note: The number of components present on the menu bar depends on the security access of the user.

Menu Components



The screenshot shows the DataNavigator® menu bar. At the top, the DataNavigator® logo is on the left and the date "SWCH | Thursday, April 25, 2013" is on the right. Below the header is a horizontal menu bar with the following items: "Home", "Merchant View", "Transactions", "Cases", "Devices", "Switches", "Settlement", "Reports", "Tools", "Back to Previous", "Printable View", and "Help". A "Log Off" link is located in the top right corner.

The menu components are:

- [Home Page](#)
- [Merchant View](#)
- [Transactions](#)
- [Cases](#)

- [Devices](#)
- [Switches](#)
- [Settlement](#)
- [Reports](#)
- [Tools](#)
- [Back to Previous](#)
- [Printable View](#)
- [Help](#)

Home Page

The home page is the place you begin your work. This is applicable if the user has access to a single switch. If the user has access to more than one switch then the Switch Selection screen would be displayed as shown in section [Switch Selection](#).

From the Home Page you can access the System Highlights, Preferences, and Help pages. You can also begin a transaction search or select a task based on the level you need: processor, institution, device, or merchant.

You will be able to see whatever levels you have access to. The groups build from the highest level to the lowest. For example, if you have access to more than one processor, you first select the processor. Once you select the processor, the Institution group is displayed. Here are two examples to show how the home page works.

If you have access to multiple processors, institutions and devices, your Home page will look like this:

Home Page with Multiple Selection Fields

Home			
Processors			
Processor ID:	<input type="text" value="P 123456"/> List	PROCESSOR 1	Task: <input type="button" value="-- Choose Processor Task --"/>
Institutions for P123456			
Recon Inst ID:	<input type="text" value="I123456789"/> List	INSTITUTION 1	Task: <input type="button" value="-- Choose Institution Task --"/>
Devices for I123456789			
Device ID:	<input type="text" value="D 123456"/> List	DEVICE 1	Task: <input type="button" value="-- Choose Device Task --"/>

This image shows a version of the home page with multiple processors, but only one institution and one device. Your home page will display the processors, institutions, and devices that you have access to. If you don't have access to one of the levels, you will not see a group for that level.

If you have access to multiple processors, but only one institution and device, your Home page will look like this:

Home Page with Single Match Items

Home		
Processors		
Processor ID:	<input type="text" value="P123456"/> List PROCESSOR 1	Task: <input type="button" value="-- Choose Processor Task --"/>
Institutions for P123456		
Recon Inst ID:	<input type="text" value="I123456789"/> List INSTITUTION 1	Task: <input type="button" value="-- Choose Institution Task --"/>
Devices for I123456789		
Device ID:	DEVICE 1	Task: <input type="button" value="-- Choose Device Task --"/>

Switch Selection

Based on the user access, the **Switch Selection** page displays once the user has logged in. It displays a list of switches which relates to the different transaction channels or gateways.

Switch Selection

DataNavigator®	
Switch Selection	
Switch Name	
SWCH1	
SWCH2	
SWCH3	
SWCH4	

1. The available switches are displayed as links.
2. Click the required link to select the switch.
3. The **Home Page** displays for the selected switch.

Merchant View

The **Merchant View** page permits you to search for the required Merchant and perform specific tasks on it.

Merchant View

Merchant View	
Merchants	
Merchant ID: <input type="text"/> List	Task: -- Choose Merchant Task --

Choose a Merchant

1. Enter the **Merchant ID**.
OR
2. Click the **List** link next to **Merchant ID** field.
The List dialog is displayed.
3. Enter the complete or partial merchant ID in the **Search** field to search for the merchant you are looking for.
If present, the merchant ID and name displays in the List dialog.
4. Click the radio button next to the required merchant to select it.
In the **Home** page the selected merchant ID displays in the **Merchant ID** field and the merchant name is displayed next to it.
5. Select a task.

Note: Only those tasks to which you have access will display in the pull down menu.

- **Transaction Search:** Transaction Search page is displayed with the institutions belonging to the merchant you selected.
- **Case Search:** Case Search page is displayed with the institutions belonging to the merchant you selected.
- **Contact Information:** The Contact Information page is displayed with the contacts for the merchant displayed on the screen.
- **View Devices:** The devices group is displayed on the home page. The institutions for the merchant you have selected are available to choose from.

Transactions

The transaction component permits you to perform the following tasks:

Transactions Function

Transactions ▼
Transaction Search
Batch Status
View Research List

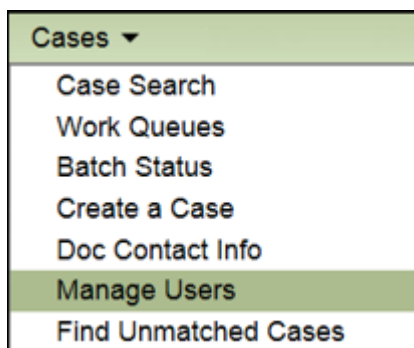
Drop Down	Does This
Transaction Search	To search for transactions based on one or more search criteria. Displays the Transaction Search screen.
Batch Status	To determine the status of a batch of cases. Displays the Batch Search Results screen.
View Research List	To view the list of transactions to research. Displays the Research List screen.

See the DataNavigator® Web Client Transaction Research Guide for more information on Transactions.

Cases

The Cases component permits you to perform the following tasks. Your user security access determines if the component is displayed.

Cases Function



Drop Down	Does This
Case Search	Displays the Case Search page.
Work Queues	Displays the Work Queues page.
Batch Status	Displays the Batch Search Results.
Create a Case	Displays the Create Case (Step 1 of 3) page.
Doc Contact Info	Displays the Contact Information page.
Manage Users	Displays list of users to allow change of active status and reassignment of cases to another user.

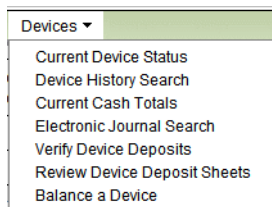
Drop Down	Does This
Find Unmatched Cases	Displays the Unmatched Case Search Page.

See the DataNavigator® Web Client Exception Management System Guide for more information on Cases.

Devices

The Devices component permits you to perform the following tasks. Your user security access determines if the component is displayed.

Devices Function



The devices function has the following options:

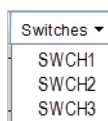
Drop Down	Does This
Current Device Status	To determine the current status of a device based on specific search criteria. Displays the Current Device Status screen.
Device History Search	To search the history of a specific device based on defined date and time ranges. Displays the Device History Search screen.
Current Cash Totals	To search for the current case totals based on specific search criteria like the Device ID, and Processor ID, Displays the Current Cash Total Search Screen,
Electronic Journal Search	To search for the electronic journal information for specific devices. Displays the Electronic Journal Search page.
Verify Device Deposits	To retrieve the list of the latest unverified deposits and to create a deposit sheet for a specific device. Displays the Verify Device Deposits screen.
Review Device Deposit Sheets	To view the deposit sheets of a specific device. Displays the Device Deposit Sheet Search screen.
Balance a Device	To select a specific device that has to be balanced. Displays the Device Cutoff Data Search screen.

See the DataNavigator® Device Services User Guide for more information on Devices.

Switches

The Switches component permits you to change to another switch without logging in. Your user security access determines if the component is displayed and which switches are listed.

Switches Component

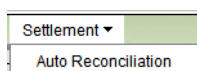


The **Switch ID** is displayed before the date when you have access to multiple switches. Refer to [Menu Components](#).

Settlement

The Settlement component permits you to perform an automatic reconciliation of the transactions. Your user security access determines if the component is displayed.

Settlement Component

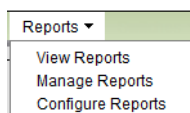


See the DataNavigator® Settlement Users Guide for more information.

Reports

The Reports component permits you to view, manage and configure reports. Your user security access determines if the component is displayed.

Reports Component



Drop Down	Does This
View Reports	<ul style="list-style-type: none"> View Report: To view the reports already run via a scheduled job. Displays the View Report screen. Run Report: To run a report on-demand. Displays the Run Report screen.

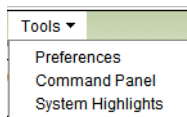
Drop Down	Does This
Manage Reports	<ul style="list-style-type: none"> View Schedule Reports: To view the schedule reports using Schedule a Report. Displays the View Scheduled Reports screen. Schedule a Report: To schedule a report. Displays the Schedule a Report screen.
Configure Reports	<ul style="list-style-type: none"> To customize reports and export them to the required format. To include third party add-in reports available in the prescribed formats.

Refer to the DataNavigator® Reports Guide for more information.

Tools

The Tools component permits you to set the users' Preferences, configure the Tracing updates via the Command Panel and view the System Highlights.

Tools Component



Preferences

The User Preferences screen is used to customize your DataNavigator® environment and set default values for transaction research (as well as other functions). Select the Preferences option from the Tools menu. The Preferences page for the specific user ID is displayed.

Note: *If the logged in user has the role of an Acquirer or an Issuer, then the Preferences page is displayed as shown below.*

Preferences

Preferences		Update Preferences	
All Pages			
Time Format:	<input type="radio"/> HH:MM:SS AM/PM <input checked="" type="radio"/> HH:MM:SS 24 hrs	Date Format:	MM/DD/YYYY
		Currency Format:	\$42,123.45 List
Transaction Search			
# of Days to Search By:	1	# of Results in a set:	100 (1-100)
Tran Search Default Options:	<input type="radio"/> Show newest first <input checked="" type="radio"/> Show oldest first	Default End Date:	<input type="radio"/> Start Date <input checked="" type="radio"/> Now
Device History Status Page			
# of Days to Search By:	14		
Case Search			
# of Days to Search By:	1	Default End Date:	<input type="radio"/> Start Date <input checked="" type="radio"/> Now
Case Pages			
Default Adjustment Amount:	Not Assigned	Default Institution Requester Information	
Documentation Contact Info:	-- Select Contact Info --	Name:	
		Phone #:	
		Fax #:	
System Highlights			
Display System Highlights at Logon:	<input type="radio"/> Yes <input checked="" type="radio"/> No		
Update Preferences			

Field Descriptions

All Pages

- Choose HH:MM:SS: AM/PM or HH:MM:SS 24 hrs.
- Click the drop-down arrow to choose the date format.
- Click the List link to display the list of currency formats and click the format you need.

Transaction Search

- Indicate the default number of days to search by.
- Choose the option that indicates the order you want transactions displayed in after doing a search.
- Indicate the number of results to be displayed in a set.
- Choose the option that indicates what you want the default end date to be.

Device History Status Page

- Enter the default number of days you want to search by.

Case Search

- Indicate the default number of days to search by.
- Choose the option that indicates what you want the default end date to be.

Case Pages

1. Click the drop-down arrow to choose the default adjustment amount.
2. Select the documentation contact information.
3. Create default Institution Requester Information.
 - Enter the name of the institution you want to be your default requester.
 - Enter the phone number of the institution you want to be your default requester.
 - Enter the fax number of the institution you want to be your default requester.

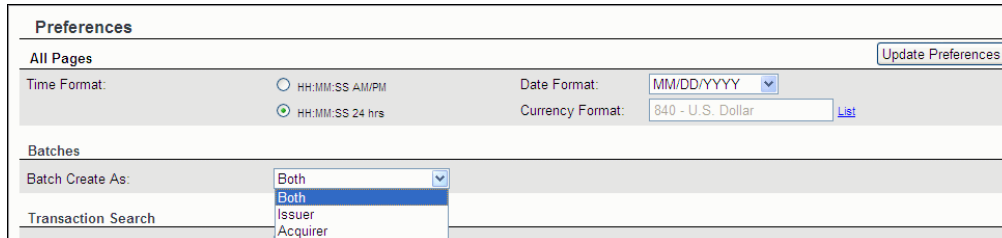
System Highlights

- Indicate if you want to display the system highlights when you log into the application.

Click the **Update Preferences** button. The system saves your preferences and displays a confirmation message at the top of the screen.

Note: If the logged in user has the role of an Acquirer and an Issuer, then the Preferences page displays with the **Batch Create As** field.

Preferences - Acquirer and Issuer



The screenshot shows the 'Preferences' page. At the top, there's a 'Batch Create As' dropdown menu with a blue arrow pointing down. The dropdown is open, showing three options: 'Both' (highlighted in blue), 'Issuer', and 'Acquirer'. Below the dropdown, there's a 'Transaction Search' field. To the right of the 'Batch Create As' dropdown, there's a 'Date Format' dropdown set to 'MM/DD/YYYY' and a 'Currency Format' dropdown set to '840 - U.S. Dollar'. There's also a 'List' link next to the currency format. At the top right, there's an 'Update Preferences' button.

Batches

Batch Create As

This field enables the user to create batches for Acquirer and/or Issuer cases based on the selected value. The user can choose to set their preference to Issuer, Acquirer or Both. The default value is Both.

Value	Description
Both	Enables the user to create batches for Acquirer and Issuer cases.
Acquirer	Enables the user to create batches for Acquirer cases only.
Issuer	Enables the user to create batches for Issuer cases only.

System Highlights

The System Highlights page identifies your institution's devices that are currently in a down, troubled, or maintenance status. Select the System Highlights option from the Tools menu. The System Highlights page displays. You can also set your preferences to display the System Highlights page when you open the application.

System Highlights

System Highlights

Devices:

- 17 - Down
- 28 - Troubled
- 5 - Maintenance

[View These Devices](#)

If you have security access to the Device Inquiry function and have turned on the System Highlights function, the highlights information is refreshed with the latest updated information.

Note: *If System Highlights is turned on by the user through the Preferences functionality then it would be displayed as first page (Switch selection page) instead of the Home page where the user selects the required Switch.*

It is not mandatory for the user to turn on the System Highlights function to view the latest information. The user can select the System Highlights option from the Tools menu at any time to see the updated information.

Back to Previous

This button is available in some of the search result pages in the DataNavigator® Web Client. It is located on the menu bar. Click this button to navigate to the previous page.

Printable View

The transaction details and case details can be printed to paper. Click the **Printable View** button on the menu bar to see the print preview of the details.

Printable View

Transaction Detail - Windows Internet Explorer

DataNavigator® [Close] [Print]

Transaction Detail

PAN: 999999****1234 Local Date/Time: 04/04/2013 15:35:07 Tran Amount \$ 5.00 Device ID: D12345

Transaction Information

PAN: 999999****1234	Transmission Date/Time: 04/04/2013 15:35:07
Exp. Date (YY/MM):	Local Date/Time: 04/04/2013 15:35:07
Device ID: D12345	Authorized By: Acquirer
Tran Type ID: 0000002000-Purchase From FND	Retrieval Reference #: 125829812000
Terminal Class: 07-Fuel Dispenser	System Trace #: 004701
Trans Disposition: 1-Approval	Reimbursement (blank)
Transaction Class:	Attribute:
Function Code: 200-Original Financial Request/Advice	Action Code: 000-Approved
From Account ID:	Approval Code: 343920
Iss Msg Reason: (blank)	To Account ID:
Acq Msg Reason: 1000-Stand-in processing at the card issuer's option	External Sequence #:

Funds Movement

	Amount	Currency	Conversion Rate
Transaction	\$ 5.00	840-U.S. Dollar	
Surcharge	0	(blank)	
Cardholder Billing	\$ 5.00	840-U.S. Dollar	1
Network Recon	\$ 5.00	840-U.S. Dollar	1
Acquirer Recon	\$ 5.00	840-U.S. Dollar	1
Issuer Recon	\$ 5.00	840-U.S. Dollar	1

Terminal Location

Name: Terminal 1	Card Acceptor ID: CA1234567890
Address:	Card Acceptor:

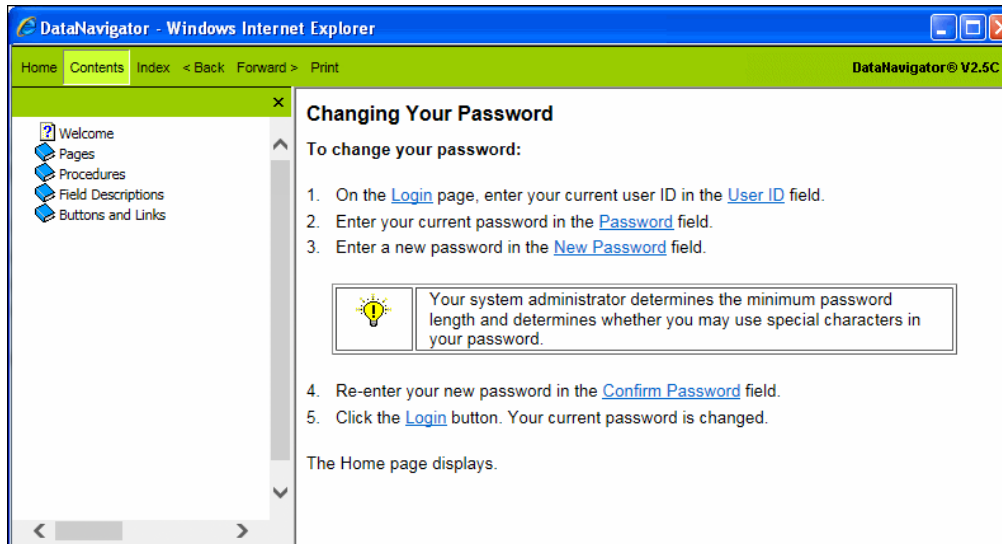
Done [Local intranet] 100%

Click the **Print** button to print the details to paper or click the **Close** button to exit the print preview dialog.

Help

Click the **Help** button on the menu bar at the top of any DataNavigator® Web Client page. This link takes you to a comprehensive help system. Use the **Table of Contents** or **Index** to locate a desired topic. Once the **Help** button is selected, the Help system displays.

Online Help - Standard Example



Based on the functions you are allowed to perform, you can access specific functions described in the Help. Your individual security profile determines the buttons, links, and fields that display on a page in the application. Contact your Security Administrator for more information on the features of DataNavigator®.

The **Help** web page is comprised of two frames:

Note: See the above figure for example of standard help format.

- **Navigation frame on the left** - Contains the Help toolbar at the top and book icons below with links to the topics.
- **Display frame on the right** - Displays the contents of the Help topic you selected in the Navigation frame.

Home Page - Processors

This is a home page of the processors

Home Page - Processors

Home	
Processors	
Processor ID: <input type="text" value="P123456"/> List PROCESSOR 1	Task: -- Choose Processor Task --
Institutions for P123456	
Recon Inst ID: <input type="text"/> List Task: -- Choose Institution Task --	Contact Information Current Cash Totals Current Device Status View Institutions

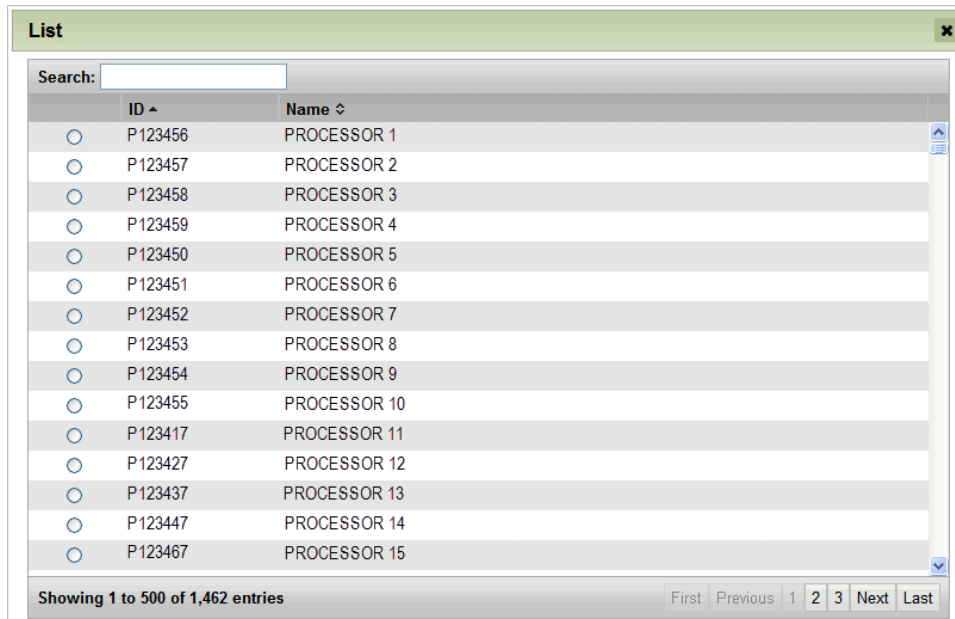
Choose a Processor

1. If you know the processor ID, enter the value in the **Processor ID** field.
- OR

- Click the **List** link next to Processor ID field.

The List dialog is displayed.

Processor ID List



The 'List' dialog box displays a table with the following data:

ID	Name
P123456	PROCESSOR 1
P123457	PROCESSOR 2
P123458	PROCESSOR 3
P123459	PROCESSOR 4
P123450	PROCESSOR 5
P123451	PROCESSOR 6
P123452	PROCESSOR 7
P123453	PROCESSOR 8
P123454	PROCESSOR 9
P123455	PROCESSOR 10
P123417	PROCESSOR 11
P123427	PROCESSOR 12
P123437	PROCESSOR 13
P123447	PROCESSOR 14
P123467	PROCESSOR 15

Showing 1 to 500 of 1,462 entries

First Previous 1 2 3 Next Last

- Enter the complete or partial processor ID in the **Search** field to search for the processor you are looking for.

If present, the processor ID and name displays in the List dialog.

- Click the radio button next to the required processor to select it.

In the **Home** page, the selected processor ID displays in the **Processor ID** field and the processor name is displayed next to it.

- Select a task.

Note: Only those tasks to which you have access will display in the pull down menu.

- Transaction Search:** Transaction Search page is displayed with the institutions belonging to the processor you selected.
- Contact Information:** The Contact Information page is displayed with the contacts for the processor displayed on the screen.
- Current Cash Totals:** Current Cash Totals page for this device is displayed.
- Current Device Status:** Displays the Current Device Status page with the processor ID displayed in "Search on this" field.
- View Institutions:** The institutions group is displayed on the home page. The institutions for the processor you have selected are available to choose from.

Home Page - Institutions

Select a specific institution by clicking the List link next to the Recon Inst ID - Recon Inst Name field. (If you have access to only one institution, then it is selected by default. If you have access to more than one institution, then the entire list is available and you can select the required institution. If there is only one device for the institution, then it is automatically selected, and displayed in the Device List for Institution section on the page.)

Home Page - Institution

Home

Processors

Processor ID: P123456 [List](#)

PROCESSOR 1

Task: -- Choose Processor Task --

Institutions for P123456

Recon Inst ID: I123456789 [List](#)

INSTITUTION 1

Task: -- Choose Institution Task --

Transaction Search Acq

Transaction Search Iss

Current Device Status

Current Cash Totals

Case Highlights

Case Search

Contact Information

View Devices

Choose an Institution

- If you know the institution ID, enter the value in the **Recon Inst ID** field.
OR
- Click the **List** link next to **Recon Inst ID** field.
The List dialog is displayed.

Recon Institution ID List

List

Search:

	ID ▲	Name ⇅
<input type="radio"/>	I123456789	INST TUTION 1
<input type="radio"/>	I123456780	INST TUTION 2
<input type="radio"/>	I123456781	INST TUTION 3
<input type="radio"/>	I123456782	INST TUTION 4
<input type="radio"/>	I123456783	INST TUTION 5
<input type="radio"/>	I123456784	INST TUTION 6
<input type="radio"/>	I123456785	INST TUTION 7
<input type="radio"/>	I123456786	INST TUTION 8
<input type="radio"/>	I123456787	INST TUTION 9
<input type="radio"/>	I123456788	INST TUTION 10
<input type="radio"/>	I123456711	INST TUTION 11
<input type="radio"/>	I123456712	INST TUTION 12
<input type="radio"/>	I123456713	INST TUTION 13
<input type="radio"/>	I123456714	INST TUTION 14
<input type="radio"/>	I123456715	INST TUTION 15

Showing 1 to 21 of 21 entries

First Previous 1 Next Last

- Enter the complete or partial institution ID in the **Search** field to search for the institution you are looking for.

If present, the institution ID and name displays in the List dialog.

Note: Only those institutions to which you have access will display in the list.

- Click the radio button next to the required institution to select it.

In the **Home** page the selected institution ID displays in the **Recon Institution ID** field and the institution name is displayed next to it.

5. Select a task.

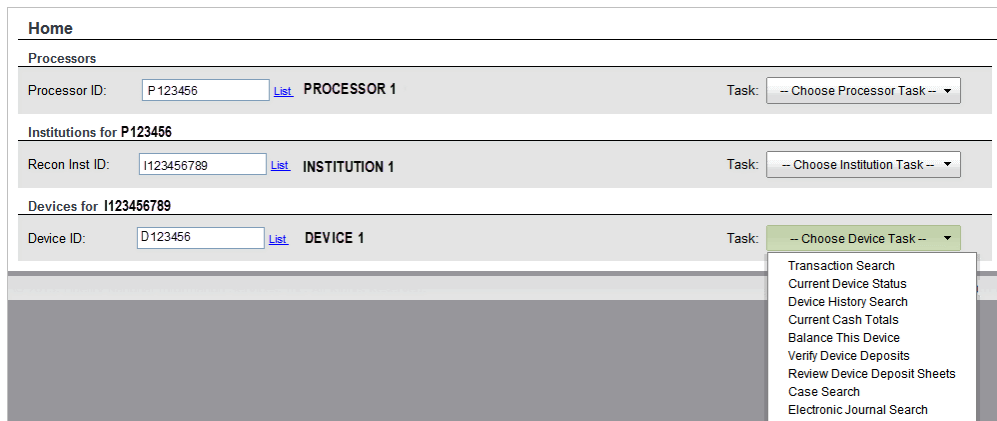
Note: Only those tasks to which you have access will display in the pull down menu.

- **Transaction Search Acq:** Transaction Search page is displayed with the institution ID from this page displayed in the **Acq Recon Inst ID** field.
- **Transaction Search Iss:** Transaction Search page is displayed with the institution ID from this page displayed in the **Iss Recon Inst ID** field.
- **Current Device Status:** Current Device Status search page is displayed with the institution ID from this page displayed in the **Acq Recon Inst ID** field.
- **Current Cash Totals:** Current Cash Totals page for this device is displayed.
- **Case Highlights:** Displays the Case Highlights page with the cases for the selected institution.
- **Case Search:** Case search page is displayed with the institution ID from this page displayed in the **Institution** field.
- **Contact Information:** The Contact Information page is displayed with the contacts for the processor displayed on the screen.
- **View Devices:** Displays the Device group with the devices belonging to this institution available for selection.

Home Page - Devices

Select a specific device by clicking the List link next to the Device ID field.

Home Page - Devices

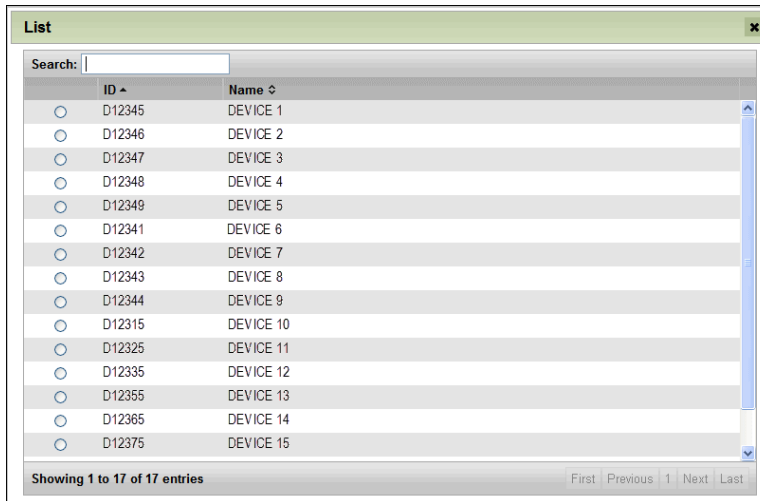


The screenshot shows the 'Home' page interface. It has three main sections: Processors, Institutions, and Devices. Each section has a search field, a 'List' link, and a task dropdown menu. The 'Devices' section is expanded, showing a list of tasks for the selected device (D123456). The tasks listed are: Transaction Search, Current Device Status, Device History Search, Current Cash Totals, Balance This Device, Verify Device Deposits, Review Device Deposit Sheets, Case Search, and Electronic Journal Search.

Choose a Device

1. If you know the device ID, enter the value in the **Device ID** field.
OR
2. Click the **List** link next to Device ID field.
The List dialog is displayed.

Device ID List



Search:	ID ▲	Name ↕
<input type="radio"/>	D12345	DEVICE 1
<input type="radio"/>	D12346	DEVICE 2
<input type="radio"/>	D12347	DEVICE 3
<input type="radio"/>	D12348	DEVICE 4
<input type="radio"/>	D12349	DEVICE 5
<input type="radio"/>	D12341	DEVICE 6
<input type="radio"/>	D12342	DEVICE 7
<input type="radio"/>	D12343	DEVICE 8
<input type="radio"/>	D12344	DEVICE 9
<input type="radio"/>	D12315	DEVICE 10
<input type="radio"/>	D12325	DEVICE 11
<input type="radio"/>	D12335	DEVICE 12
<input type="radio"/>	D12355	DEVICE 13
<input type="radio"/>	D12365	DEVICE 14
<input type="radio"/>	D12375	DEVICE 15

Showing 1 to 17 of 17 entries

First Previous 1 Next Last

- Enter the complete or partial device ID in the **Search** field to search for the device you are looking for. If present, the device ID and name displays in the List dialog.

Note: Only those devices to which you have access will display in the list.

- Click the radio button next to the required device to select it.
In the **Home** page, the selected device ID displays in the **Device ID** field and the device name is displayed next to it.

- Select a task.

Only those tasks to which you have access are displayed in the pull-down menu.

- Transaction Search:** Transaction Search page is displayed with the device ID from this page displayed in the **Device ID** field.
- Current Device Status:** Current Device Status page is displayed with the status for the current **Device ID** displayed.
- Device History Search:** Devices History Detail page is displayed with the last seven day's history for the selected device displayed.
- Current Cash Totals:** Current Cash Totals page for this device is displayed.
- Balance this Device:** Device Cutoff Date Results page is displayed. The most current balance sheet for the device is displayed with the rest of the device cutoff results listed.
- View Device Deposits:** The Device Deposits page is displayed with the deposits for this device displayed on the screen.
- Review Device Deposit Sheets:** The Device Deposits Sheet results page for this device is displayed.
- Case Search: Case search page is displayed with the Device ID from this page displayed in the Device ID field.
- Electronic Journal Search:** Electronic Journal Search page for this device ID.

Transaction Search Screens and Features

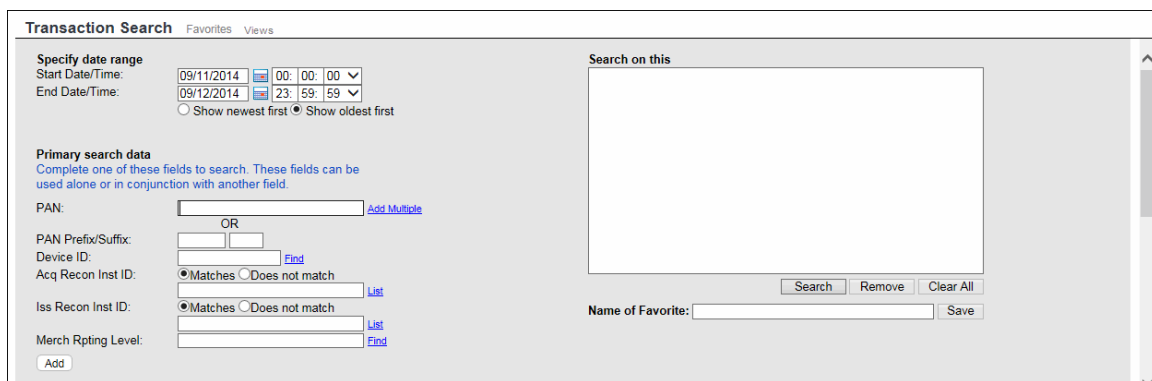
Transaction Search Screen

The Transaction Search screen is used to specify the values that are to be included in a search. The different types of search criteria are as follows:

- Primary search data
- Additional search data
- Stand-alone search data
- Extended search data
- CPP search data

Each section is explained in the following pages.

Transaction Search Screen - Primary Search Data



The screenshot shows the 'Transaction Search' interface. On the left, under 'Specify date range', there are fields for 'Start Date/Time' (09/11/2014 00:00:00) and 'End Date/Time' (09/12/2014 23:59:59), with radio buttons for 'Show newest first' and 'Show oldest first'. Below this is the 'Primary search data' section with a note: 'Complete one of these fields to search. These fields can be used alone or in conjunction with another field.' The fields include: 'PAN' (with an 'Add Multiple' link), 'PAN Prefix/Suffix' (with an 'OR' option), 'Device ID' (with a 'Find' link), 'Acq Recon Inst ID' (with 'Matches' and 'Does not match' radio buttons and a 'List' link), 'Iss Recon Inst ID' (with 'Matches' and 'Does not match' radio buttons and a 'List' link), and 'Merch Rptng Level' (with a 'Find' link). At the bottom left is an 'Add' button. On the right, there is a large empty box labeled 'Search on this' with 'Search', 'Remove', and 'Clear All' buttons below it. At the bottom right is a 'Name of Favorite:' field with a 'Save' button.

Specify Date Range

The fields under the Date Range specify the range of dates and times during which the transaction occurred.

- Start Date/Time - Searches begin with this date and time.
- End Date/Time - Searches are up to this date and time.
- Show newest first - Transaction list is returned with the newest dates first.
- Show oldest first - Transaction list is returned with the oldest dates first.

Search Results View - The search results are displayed as per the view selected from this drop down list.

Primary Search Data

In this section of the screen you have to specify the values of the key fields which are used along with the date and time fields to search for the transactions. The fields listed under the Primary Search data may be used by itself to perform the search or in conjunction with another field.

Note: *In the Primary Search data, you can perform a search based on multiple values for each of the fields, with the exception of a partial PAN and a PAN prefix/suffix.*

Enter a value in one or more of the following key fields:

- The PAN - The Primary Account Number (also commonly known as the card number). The user can search based on any one of the following:
 - a full PAN / a partial PAN with asterisk
 - PAN Prefix/Suffix field

PAN Fields

Primary search data

Complete one of these fields to search. These fields can be used alone or in conjunction with another field.

PAN: [Add Multiple](#)

OR

PAN Prefix/Suffix:

The Add Multiple link, present under the PAN field, enables you to perform the search based on multiple PANs.

- Click the Add Multiple link to add more than one PAN.

Add Multiple PAN

PAN ✕

Enter complete PAN. Separate PANs with a space, comma, semi colon, or put each PAN on its own line.

99999977771234

99999977771235

99999977771236

- Enter the complete PAN.
- Click the Add button to include the multiple PANs in the Search on this field in the Transaction Search screen.

The rest of the key fields are:

- Device ID - Device (ATM or POS) identification number at the acquiring institution.
- Acq Recon Inst ID - Identifies the institution to which the transaction is reconciled.
- Iss Recon Inst ID - Identifies the institution to which this transaction is reconciled and settled.

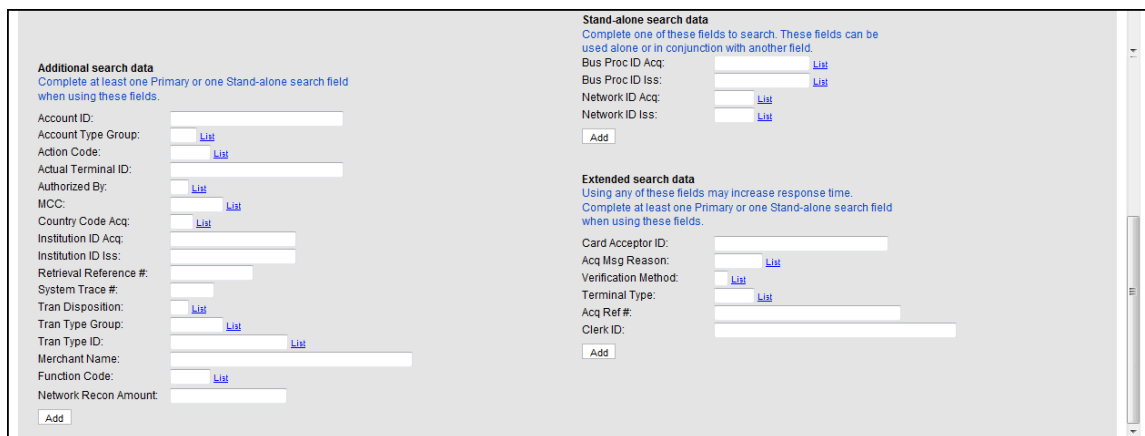
- Note:**
- The Matches/Does not match radio buttons help in filtering the ID number of the institution (acquirer and issuer).
 - These radio buttons reflect the user's selection and are active until the values for the Recon Inst ID are added to the Search on this text box.

- Once the values are added, the radio buttons are disabled.
- The buttons are enabled if all the Inst IDs for that type (acquirer and issuer) are removed.
- You may continue to enter a value in the Recon Inst ID (acquirer and issuer) field and also use the List link.
- Merch Rptng Level - The Business reporting level ID of the merchant who processed the required transaction.

Additional/Stand-Alone/Extended Search Data

There are additional fields that can be used to search for a transaction.

Transaction Search Screen - Additional/Stand-Alone/Extended Search Data



The screenshot displays the Transaction Search Screen with three main sections for search criteria:

- Additional search data:** Complete at least one Primary or one Stand-alone search field when using these fields. Fields include Account ID, Account Type Group, Action Code, Actual Terminal ID, Authorized By, MCC, Country Code Acq, Institution ID Acq, Institution ID Iss, Retrieval Reference #, System Trace #, Tran Disposition, Tran Type Group, Tran Type ID, Merchant Name, Function Code, and Network Recon Amount. Each field has a 'List' link.
- Stand-alone search data:** Complete one of these fields to search. These fields can be used alone or in conjunction with another field. Fields include Bus Proc ID Acq, Bus Proc ID Iss, Network ID Acq, and Network ID Iss. Each field has a 'List' link and an 'Add' button.
- Extended search data:** Using any of these fields may increase response time. Complete at least one Primary or one Stand-alone search field when using these fields. Fields include Card Acceptor ID, Acq Msg Reason, Verification Method, Terminal Type, Acq Ref #, and Clerk ID. Each field has a 'List' link and an 'Add' button.

Additional search data

These fields should be used along with at least one Primary or one Stand-alone search fields. This section consists of the following fields:

- Account ID - The customer account associated with the transaction.
- Account Type Group - A user-defined code for a group of account types.
- Action Code - The response returned by the authorizing network indicating whether the transaction is approved or denied. If denied, this code will reflect the reason for the denial.
- Actual Terminal ID - A number unique to the terminal owner that identifies the actual terminal used for this transaction.
- Authorized By - The list of authorizers who are permitted to authorize the transaction.
- MCC - The list of the different merchant categories.
- Country Code Acq - The country codes of the acquirer institutions.
- Institution ID Acq - The institution where the transaction occurred.
- Institution ID Iss - The institution that holds the cardholder's account.
- Retrieval Reference # - The unique reference number used to retrieve a transaction.
- System Trace # - The unique identification number to trace the transaction in the system.
- Tran Disposition - The different statuses into which the transactions can be disposed.
- Tran Type Group - A group of transaction types.
- Tran Type ID - Code used to indicate the type of financial activity involved in the transaction.

- Merchant Name - The name of the merchant where the transaction has taken place.
- Function Code - The code that further defines the transaction message.
- Card Input Mode - A code that indicates the method used to input the information from the card into the terminal. This information is useful during fraud investigations.
- Network Recon Amount - The transaction amount and any fee amount converted to network reconciliation currency.
- CAVV Result - The Cardholder Authentication Verification Value result code indicating the outcome of CAVV verification.

Stand-alone search data

These fields can be used singly to perform the search or in conjunction with another field. This section consists of the following fields:

- Bus Proc ID Acq - The identification code for the processor where the transaction originated. This value is derived from the value logged from the original transaction for the purposes of on-line settlement and funds movement.
- Bus Proc ID Iss - The identification code for the processor where the transaction was authorized. This value is derived from the value logged from the original transaction for the purposes of on-line settlement and funds movement.
- Network ID Acq - Identifies the EFT network that acquired the transaction.
- Network ID Iss - Identifies the EFT network that authorized the transaction.

Extended search data

These fields are used to enhance the response time and should be used in conjunction with at least one Primary or one Stand-alone search field. This section consists of the following fields:

- Card Acceptor ID - The identification code of the POS device where the transaction is initiated.
- Acq Msg Reason - A code provided by the acquirer on the message that defines the purpose of the message. For original authorizations and financial messages it identifies why the type of message was sent. For other messages it states why the action was taken.
- Verification Method - Indicator for whether PIN or signature was used in verifying transaction.
- Terminal type - A code designating the type of terminal used for the transaction.
- Acq Ref # - The reference number of the acquirer of the transaction.
- Clerk ID - Identifies the specific employee of the card acceptor signed on or logged on to the POS terminal when this transaction was initiated. The Clerk ID is only present if the employee must sign-on or logon to the POS device prior to initiating any transaction. This is most often done using a special card created for the employee.
- Acq Recon Date - The reconciliation date of the acquirer.
- Iss Recon Date - The reconciliation date of the issuer.
- Network Recon Date - Indicates network reconciliation date.

CPP Search Data

DataNavigator Transaction Research can be used to help identify a possible common point of purchase (CPP) from your list of compromised PANs.

CPP Search Data

CPP search data
 Select a CPP search results view to enable this field. Add at least two PANs and the date range field along with this field.

CPP Threshold Indicator:

CPP Threshold Indicator

Indicates the number of cards needed to consider a terminal or merchant as a possible point of compromise. The default value is two

Note: The CPP Threshold Indicator field is enabled only if you choose either the CPP by Merchant or the CPP by Terminal option from the Search Results View drop-down list.

Search Results View

Search Results View:

Standard

ATM Research

CPP by Merchant

CPP by Terminal

Signature Research

Transaction Research

*TEST_test

*Test_Grid

*Test_View

#TEST

#TEST1

#TEST2

#Test All Users

Primary search data
 Complete one of these fields used alone or in conjunction with the other fields.

PAN:

PAN Prefix/Suffix:

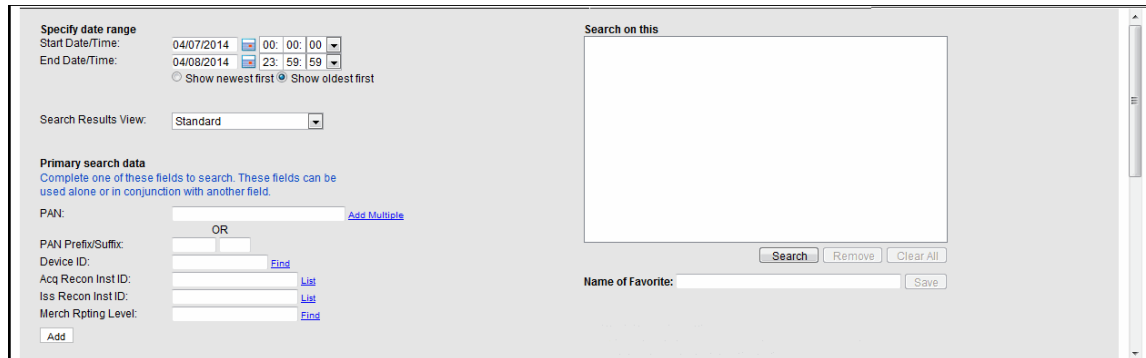
Device ID:

Add Recent ID:

Transaction Search Screen Buttons

The Transaction Search screen allows you to select entities from a specific list associated with their user ID. The following buttons that are available on the Transaction Search screen assist in building the search criteria and also search for the required transactions.

Transaction Search - Buttons



The screenshot shows the Transaction Search interface. On the left, there are sections for 'Specify date range' (with start and end date/time pickers and radio buttons for 'Show newest first' and 'Show oldest first'), 'Search Results View' (a dropdown menu set to 'Standard'), and 'Primary search data' (a note stating 'Complete one of these fields to search. These fields can be used alone or in conjunction with another field.'). Below this are input fields for 'PAN:', 'PAN Prefix/Suffix:', 'Device ID:', 'Acq Recon Inst ID:', 'Iss Recon Inst ID:', and 'Merch Rptng Level:', each with a 'Find' button. An 'Add' button is at the bottom left. On the right, there is a 'Search on this' section with a large empty box, and buttons for 'Search', 'Remove', and 'Clear All'. Below this is a 'Name of Favorite:' field with a 'Save' button.

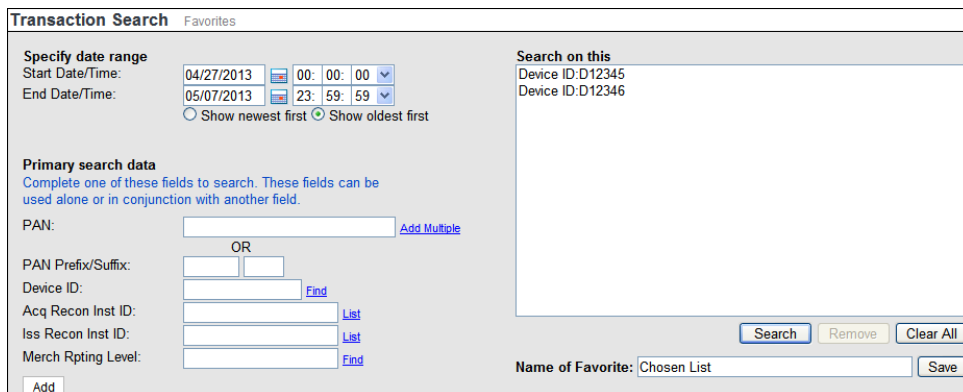
Name	Description
Add	The Add button is used to add the search field with the respective data to the Search On This section.
Search	The Search button is used to search for the information that matches the search criteria and display the applicable search results page, if data is found.
Remove	The Remove button is used to remove the search field along with the respective data from the Search On This section.
Clear All	The Clear All button is used to clear all the selected values listed under the Search On This section and you can build a new search criteria.

Favorites

The Favorites option enables you to save the fields listed under the primary/additional/ advanced groups except for the date range and/or a PAN.

1. In the Transaction Search screen, enter the values for the parameters, that needs to be added to the Search on this list.
2. Specify the values for the other fields that need to be included as the search criteria.
3. Click the Add button.
4. Enter a name in the Name of Favorite field.

Setting Favorites



Transaction Search Favorites

Specify date range
 Start Date/Time: 04/27/2013 00:00:00
 End Date/Time: 05/07/2013 23:59:59
☐ Show newest first ☒ Show oldest first

Search on this
 Device ID: D12345
 Device ID: D12346

Primary search data
 Complete one of these fields to search. These fields can be used alone or in conjunction with another field.

PAN: [Add Multiple](#)

OR

PAN Prefix/Suffix:

Device ID: [Find](#)

Acq Recon Inst ID: [List](#)

Iss Recon Inst ID: [List](#)

Merch Rptg Level: [Find](#)

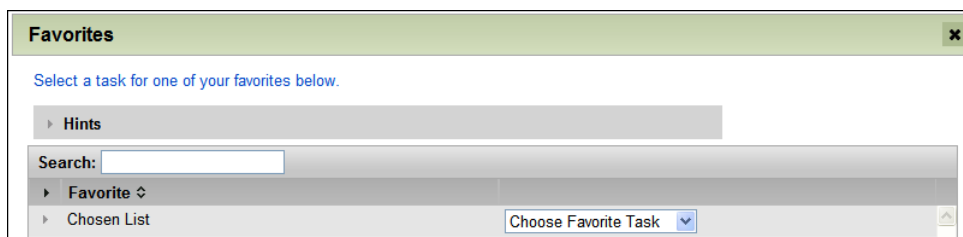
[Add](#)

[Search](#) [Remove](#) [Clear All](#)

Name of Favorite: Chosen List [Save](#)

- Click the Save button.
- To view and query on the favorite list, click the Favorites link. The newly created favorite list is displayed and you can perform other tasks on it.

Favorites Popup



Favorites [X]

Select a task for one of your favorites below.

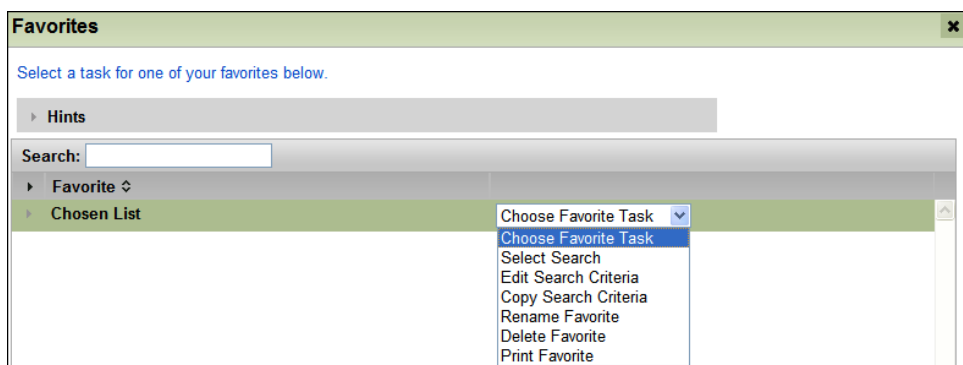
► Hints

Search:

► Favorite ⇅

► Chosen List [Choose Favorite Task](#)

Favorites Tab - Tasks Options



Favorites [X]

Select a task for one of your favorites below.

► Hints

Search:

► Favorite ⇅

► Chosen List [Choose Favorite Task](#)

[Choose Favorite Task](#)

Select Search

Edit Search Criteria

Copy Search Criteria

Rename Favorite

Delete Favorite

Print Favorite

Select Search

Select this option to view the Transaction Search screen. It displays the IDs and search parameters that have been stored as a Favorite.

Edit Search Criteria

This option is similar the Select Search option. The Transaction Search screen displays and you have the option of altering/refining the search criteria.

Copy Search Criteria

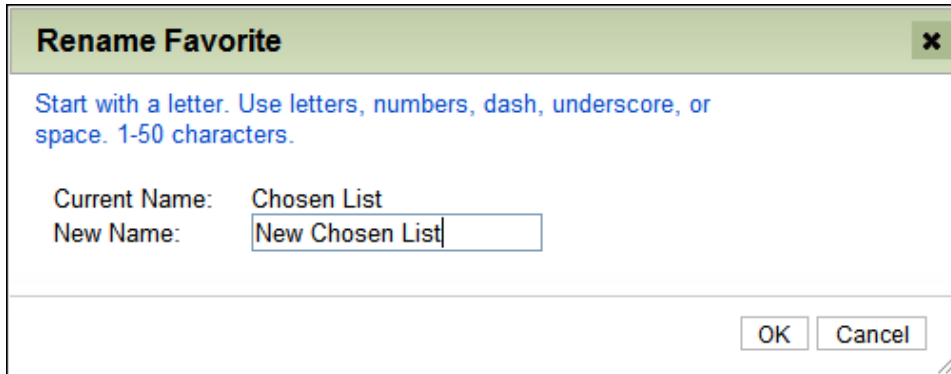
Select this option to copy the search IDs and other parameters of the existing Favorite and save it under a new name. The search parameters can be altered/refined for the new Favorite.

Rename Favorite

Select this option to rename the existing favorite list.

1. The Rename To field displays.

Rename Favorite



The dialog box has a title bar 'Rename Favorite' with a close button. Below the title bar, there is instructional text: 'Start with a letter. Use letters, numbers, dash, underscore, or space. 1-50 characters.' Below this, there are two labels: 'Current Name:' and 'New Name:'. The 'Current Name' field contains the text 'Chosen List'. The 'New Name' field contains the text 'New Chosen List'. At the bottom right, there are two buttons: 'OK' and 'Cancel'.

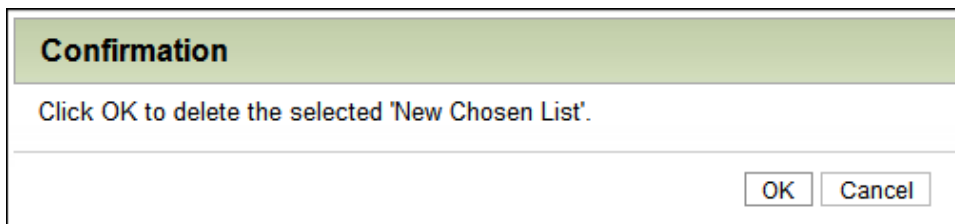
2. Enter the new name for the Favorite list.
3. Click the OK button.

Delete Favorite

Select this option to delete the Favorite.

1. A pop up displays to confirm the deletion.

Delete Favorite Confirmation



The dialog box has a title bar 'Confirmation'. Below the title bar, there is a message: 'Click OK to delete the selected 'New Chosen List'.' At the bottom right, there are two buttons: 'OK' and 'Cancel'.

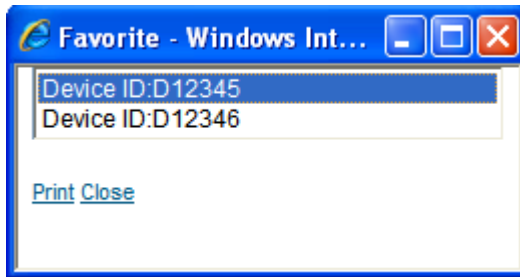
2. Click the OK button to delete the Favorite.

Print Favorite

Select this option to print the list of the IDs that are saved in the Favorite list.

1. A pop up displays with the list of IDs within the favorite list.

Print Favorite



2. Click the Print link to print the list of IDs.

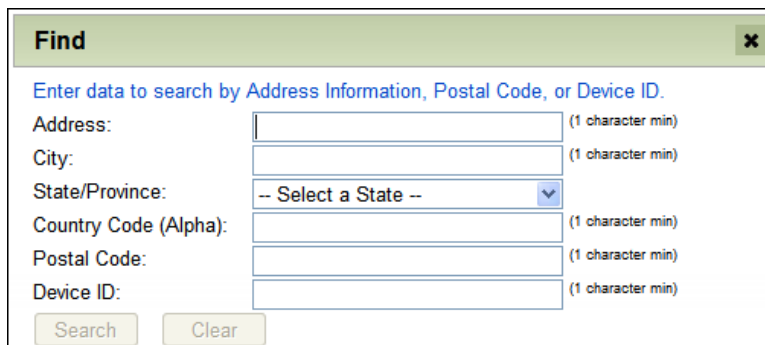
Find Entity Screens

The following screens operate similarly. Searches can be performed by entering 1 or more characters for the ID or name. If more data is entered, the search is more efficient.

Find Device

On the Transaction Search screen, click the Find link which appears to the right of the Device ID field. The Find popup displays.

Find Device

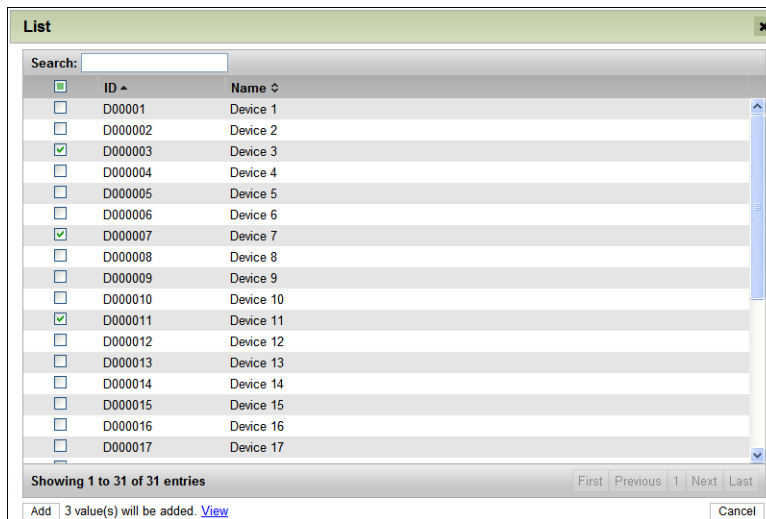


Follow these steps:

1. Enter the data in any of the following fields to search for a device:
 - In the Address field, enter a minimum of 1 character or more if the address is known to you.
 - In the City field, enter a minimum of 1 character or more if the city details are known to you.
 - In the State/Province field, select the state or Province.
 - In the Country Code (Alpha) field, enter a minimum of 1 character or more if the country is known to you.
 - In the Postal Code field, enter a minimum of 1 character or more if the postal code is known to you.
 - In the Device ID field, enter a minimum of 1 character or more if the device ID is known to you.

- Click the Search button. The list of devices that matches the search criteria displays in the List popup.

Device List - Search Results



ID ^	Name ^
<input type="checkbox"/> D00001	Device 1
<input type="checkbox"/> D00002	Device 2
<input checked="" type="checkbox"/> D00003	Device 3
<input type="checkbox"/> D00004	Device 4
<input type="checkbox"/> D00005	Device 5
<input type="checkbox"/> D00006	Device 6
<input checked="" type="checkbox"/> D00007	Device 7
<input type="checkbox"/> D00008	Device 8
<input type="checkbox"/> D00009	Device 9
<input type="checkbox"/> D00010	Device 10
<input checked="" type="checkbox"/> D00011	Device 11
<input type="checkbox"/> D00012	Device 12
<input type="checkbox"/> D00013	Device 13
<input type="checkbox"/> D00014	Device 14
<input type="checkbox"/> D00015	Device 15
<input type="checkbox"/> D00016	Device 16
<input type="checkbox"/> D00017	Device 17

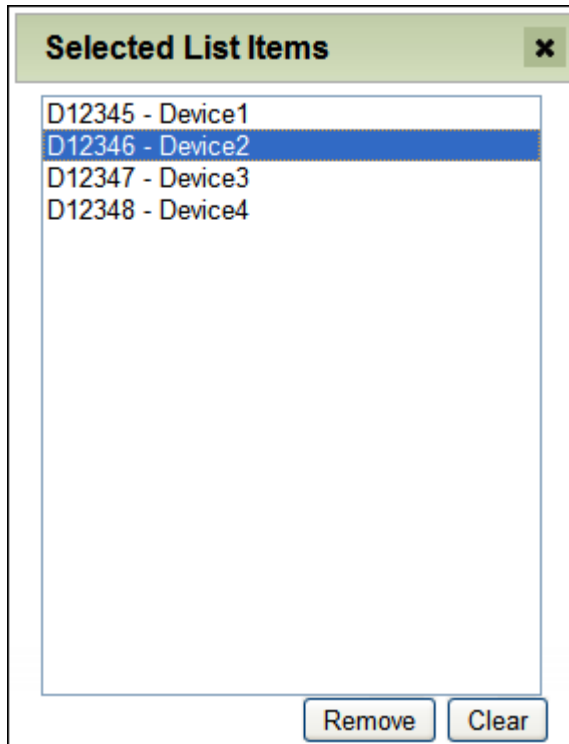
Showing 1 to 31 of 31 entries

Add 3 value(s) will be added. [View](#) [Cancel](#)

- Select the check box next to the device you want.
- Click the Add button at the bottom left of the popup.
- Alternately, you can enter the device ID or name in the Search field to filter the results list and select the required device.

View Link

The View link displays the Selected List Items popup. This popup allows you to view the list of device(s) that you selected in the device List popup.

Selected List Items Popup**Buttons**

Name	Description
Remove	The Remove button is used to remove the selected device(s).
Clear	The Clear button is used to clear all the selected device(s) in the popup.

Acquirer Reconciliation Institution ID

The Acq Recon Inst ID identifies the terminal owning acquirer institution that received or paid settlement funds for a transaction.

On the Transaction Search screen, click the Find link which appears to the right of the Acq Recon Inst ID field. The List popup displays. You can search for an institution using the first digit of the institution ID or part of the institution's name.

Acquirer Recon Institution ID List - Search Result

List

Search:

<input type="checkbox"/>	ID ▲	Name ⇅
<input type="checkbox"/>	I123456789	Institution 1
<input checked="" type="checkbox"/>	I123456790	Institution 2
<input type="checkbox"/>	I123456791	Institution 3
<input type="checkbox"/>	I123456792	Institution 4
<input type="checkbox"/>	I123456793	Institution 5
<input checked="" type="checkbox"/>	I123456794	Institution 6
<input type="checkbox"/>	I123456795	Institution 7
<input type="checkbox"/>	I123456796	Institution 7
<input type="checkbox"/>	I123456797	Institution 9
<input type="checkbox"/>	I123456798	Institution 10
<input checked="" type="checkbox"/>	I123456800	Institution 11
<input type="checkbox"/>	I123456801	Institution 12
<input type="checkbox"/>	I123456802	Institution 13
<input type="checkbox"/>	I123456803	Institution 14
<input type="checkbox"/>	I123456804	Institution 14
<input type="checkbox"/>	I123456805	Institution 16
<input type="checkbox"/>	I123456806	Institution 17

Showing 1 to 500 of 12,797 entries

First
Previous
1
2
3
4
5
Next
Last

Add
3 value(s) will be added. [View](#)

Cancel

Issuer Reconciliation Institution ID

The Iss Recon Inst ID identifies the card issuing institution that receives or pays settlement funds for a transaction or one or more card holding institutions.

On the Transaction Search screen, click the Find link which appears to the right of the Iss Recon Inst ID field. The List popup displays. You can search for an institution using the first digit of the institution ID or part of the institution's name.

Issuer Recon Institution ID List - Search Result

List

Search:

<input type="checkbox"/>	ID ▲	Name ◆
<input type="checkbox"/>	I123456789	Institution 1
<input checked="" type="checkbox"/>	I123456790	Institution 2
<input type="checkbox"/>	I123456791	Institution 3
<input type="checkbox"/>	I123456792	Institution 4
<input type="checkbox"/>	I123456793	Institution 5
<input checked="" type="checkbox"/>	I123456794	Institution 6
<input type="checkbox"/>	I123456795	Institution 7
<input type="checkbox"/>	I123456796	Institution 7
<input type="checkbox"/>	I123456797	Institution 9
<input type="checkbox"/>	I123456798	Institution 10
<input checked="" type="checkbox"/>	I123456800	Institution 11
<input type="checkbox"/>	I123456801	Institution 12
<input type="checkbox"/>	I123456802	Institution 13
<input type="checkbox"/>	I123456803	Institution 14
<input type="checkbox"/>	I123456804	Institution 14
<input type="checkbox"/>	I123456805	Institution 16
<input type="checkbox"/>	I123456806	Institution 17

Showing 1 to 500 of 12,797 entries

Add

3 value(s) will be added. [View](#)

Cancel

Merchant Reporting Level

On the Transaction Search screen, click the Find link which appears to the right of the Merch Rptng Level field. The Find Merch Rptng Level page displays. You can search for the Reporting Level IDs using the first digit of the IDs or part of the description.

Find - Merchant Reporting Level

Find

Enter either ID or Description of Merch Rptng Level to find:

ID:

(1 character min)

Description:

(1 character min)

Search

Clear

List Screens

The List screens provide the ability to select multiple values to include in the search. Select the desired values and click Include in Search. The selected values display in the Search on this section.

Action Code List

On the Transaction Search screen, click the List link, which appears to the right of the field. You can select the action codes which have to be included in your search.

Action Code List - Search Result

List

Search:

<input type="checkbox"/>	ID ▲	Name ⇅
<input type="checkbox"/>	000	000 - Approved
<input type="checkbox"/>	001	001 - Honor With Identification
<input checked="" type="checkbox"/>	002	002 - Approved For Partial Amount
<input checked="" type="checkbox"/>	003	003 - Approved (VIP)
<input type="checkbox"/>	004	004 - Approved, Update Track 3
<input type="checkbox"/>	005	005 - Approved, Account Type Set By Card Issuer
<input type="checkbox"/>	006	006 - Approved For Partial Amt, Acct Type Set By Issuer
<input checked="" type="checkbox"/>	007	007 - Approved, Update ICC
<input type="checkbox"/>	010	010 - Purchase only approval,for purchase with cash back
<input type="checkbox"/>	100	100 - Do Not Honor
<input type="checkbox"/>	101	101 - Expired Card
<input type="checkbox"/>	102	102 - Suspected Fraud
<input type="checkbox"/>	103	103 - Card Acceptor Contact Acquirer
<input type="checkbox"/>	104	104 - Restricted Card
<input type="checkbox"/>	105	105 - Card acceptor call acquirer's security department
<input type="checkbox"/>	106	106 - Allowable PIN tries exceeded
<input type="checkbox"/>	107	107 - Refer to card issuer

Showing 1 to 158 of 158 entries

Add

3 value(s) will be added. [View](#)

Cancel

MCC Code List

On the Transaction Search screen, click the List link, which appears to the right of the MCC field. You can select the MCC to be included in your search.

MCC List - Search Result

List

Search:

<input type="checkbox"/>	ID ▲	Name ⇅
<input type="checkbox"/>	0742	0742 - Veterinary Services
<input type="checkbox"/>	0763	0763 - Agricultural Cooperatives
<input checked="" type="checkbox"/>	0780	0780 - Landscaping and Horticultural Services
<input type="checkbox"/>	1520	1520 - General Contractors - Residential Buildings
<input checked="" type="checkbox"/>	1711	1711 - Heating, Plumbing, Air Conditioning Contractors
<input type="checkbox"/>	1731	1731 - Electrical Contractors
<input type="checkbox"/>	1740	1740 - Masonry/Stonework/Tile Setting/Plastering/Insulat
<input type="checkbox"/>	1750	1750 - Carpentry
<input type="checkbox"/>	1761	1761 - Roofing, Siding, Sheet Metal Work
<input checked="" type="checkbox"/>	1771	1771 - Concrete Work
<input type="checkbox"/>	1799	1799 - Special Trade Contractors, Not Elsewhere Classif.
<input type="checkbox"/>	2741	2741 - Miscellaneous Publishing and Printing
<input checked="" type="checkbox"/>	2791	2791 - Typesetting, Plate Making, and Related Services
<input type="checkbox"/>	2842	2842 - Specialty Cleaning, Polishing, and Related Service
<input type="checkbox"/>	3000	3000 - United Airlines
<input type="checkbox"/>	3001	3001 - American Airlines
<input type="checkbox"/>	3002	3002 - Airlines, Pan American (PAN AM AIR)

Showing 1 to 500 of 912 entries

Add

4 value(s) will be added. [View](#)

Cancel

First

Previous

1

2

Next

Last

Country Code Acquirer List

On the Transaction Search screen, click the List link, which appears to the right of the field. You can select the country codes which have to be included in your search.

Country Code Acquirer List - Search Result

List ✕

Search:

<input type="checkbox"/>	ID ▲	Name ⇅
<input type="checkbox"/>	004	004 - Afghanistan
<input type="checkbox"/>	008	008 - Albania
<input type="checkbox"/>	010	010 - Antarctica
<input checked="" type="checkbox"/>	012	012 - Algeria
<input type="checkbox"/>	016	016 - American Samoa
<input checked="" type="checkbox"/>	020	020 - Andorra
<input type="checkbox"/>	024	024 - Angola
<input type="checkbox"/>	028	028 - Antigua and Barbuda
<input type="checkbox"/>	031	031 - Azerbaijan
<input type="checkbox"/>	032	032 - Argentina
<input type="checkbox"/>	036	036 - Australia
<input type="checkbox"/>	040	040 - Austria
<input type="checkbox"/>	044	044 - Bahamas
<input checked="" type="checkbox"/>	048	048 - Bahrain
<input type="checkbox"/>	050	050 - Bangladesh
<input type="checkbox"/>	051	051 - Armenia
<input type="checkbox"/>	052	052 - Barbados

Showing 1 to 250 of 250 entries First Previous 1 Next Last

3 value(s) will be added. [View](#)

Transaction Type ID List

On the Transaction Search screen, click the List link, which appears to the right of the field. You can select the Transaction type IDs which have to be included in the search.

Transaction Type ID List - Search Result

List		
Search: <input type="text"/>		
<input type="checkbox"/>	ID ▲	Name ⇅
<input checked="" type="checkbox"/>	0000001000	0000001000 - Purchase Auth FND (Memo)
<input type="checkbox"/>	0000001100	0000001100 - Purchase Pre-Auth From FND
<input type="checkbox"/>	0000001200	0000001200 - Purchase Pre-Auth From FND (ind=2)
<input type="checkbox"/>	0000002000	0000002000 - Purchase From FND
<input type="checkbox"/>	0000002200	0000002200 - Pre-Auth Purchase From FND
<input type="checkbox"/>	0000092000	0000092000 - Purchase From OTH
<input type="checkbox"/>	0008001000	0008001000 - Purchase Auth Of Cash
<input checked="" type="checkbox"/>	0009001000	0009001000 - Purchase Auth OTH (Memo)
<input type="checkbox"/>	0009001100	0009001100 - Purchase Pre-Auth From OTH
<input type="checkbox"/>	0009002000	0009002000 - Purchase From OTH
<input checked="" type="checkbox"/>	0009002200	0009002200 - Pre-Auth Purchase From OTH
<input type="checkbox"/>	0010001000	0010001000 - Purchase Auth SAV (Memo)
<input type="checkbox"/>	0010001100	0010001100 - Purchase Pre-Auth From SAV
<input type="checkbox"/>	0010002000	0010002000 - Purchase From SAV
<input type="checkbox"/>	0010002200	0010002200 - Pre-Auth Purchase From SAV
<input type="checkbox"/>	0020001000	0020001000 - Purchase Auth CHK (Memo)
<input type="checkbox"/>	0020001100	0020001100 - Purchase Pre-Auth From CHK
Showing 1 to 500 of 662 entries		
First Previous 1 2 Next Last		
Add 3 value(s) will be added. View		
Cancel		

Function Code List

On the Transaction Search screen, click the List link, which appears to the right of the field. You can select the Function Codes which have to be included in the search.

Function Code List - Search Result

List

Search:

<input checked="" type="checkbox"/>	ID ^	Name ^
<input type="checkbox"/>	100	100 - Original Authorization - Amount Accurate
<input checked="" type="checkbox"/>	101	101 - Original Authorization - Amount Estimated
<input type="checkbox"/>	102	102 - Replacement Authorization - Amount Accurate
<input checked="" type="checkbox"/>	103	103 - Replacement Authorization - Amount Estimated
<input type="checkbox"/>	104	104 - Resubmission - Amount Accurate
<input type="checkbox"/>	105	105 - Resubmission - Amount Estimated
<input type="checkbox"/>	106	106 - Supplementary Authorization - Amount Accurate
<input checked="" type="checkbox"/>	107	107 - Supplementary Authorization - Amount Estimated
<input type="checkbox"/>	108	108 - Inquiry
<input checked="" type="checkbox"/>	180	180 - Notification
<input type="checkbox"/>	182	182 - Card Validation
<input type="checkbox"/>	200	200 - Original Financial Request/Advice
<input type="checkbox"/>	201	201 - Previously Approved Authorization - Amount Same
<input type="checkbox"/>	202	202 - Previously Approved Authorization - Amount Differs
<input type="checkbox"/>	203	203 - Resubmission Of A Previously Denied Financial Req.
<input type="checkbox"/>	204	204 - Resubmission Of A Previously Reversed Financial Tx
<input type="checkbox"/>	205	205 - First Representment

Showing 1 to 45 of 45 entries

First Previous 1 Next Last

Add 4 value(s) will be added. [View](#)

Cancel

Acquirer Network ID List

On the Transaction Search screen, click the List link, which appears to the right of the field. You can select the network IDs which have to be included in your search.

Acquirer Network ID List - Search Result

List ✕

Search:

<input type="checkbox"/>	ID ▲	Name ⇅
<input type="checkbox"/>	123	Network 1
<input type="checkbox"/>	124	Network 2
<input type="checkbox"/>	125	Network 3
<input type="checkbox"/>	126	Network 4
<input type="checkbox"/>	127	Network 5

Showing 1 to 5 of 5 entries (filtered from 296 total entries) First Previous 1 Next Last

Add 0 value(s) will be added. [View](#) Cancel

Issuer Network ID List

On the Transaction Search screen, click the List link, which appears to the right of the field. You can select the network IDs which have to be included in your search.

Issuer Network ID List - Search Result

List ✕

Search:

<input type="checkbox"/>	ID ▲	Name ⇅
<input type="checkbox"/>	123	Issuer 1
<input type="checkbox"/>	124	Issuer 2
<input type="checkbox"/>	125	Issuer 3
<input type="checkbox"/>	126	Issuer 4
<input type="checkbox"/>	127	Issuer 5

Showing 1 to 5 of 5 entries (filtered from 296 total entries)

FirstPrevious1NextLast

0 value(s) will be added. [View](#)

Acquirer Message Reason List

On the Transaction Search screen, click the List link, which appears to the right of the field. You can select the message reasons which have to be included in the search.

Acquirer Message Reason List - Search Result

List		
Search: <input type="text"/>		
<input type="checkbox"/>	ID ▲	Name ⇅
<input type="checkbox"/>	10**	10** - All advice/notification rsns instead of req (pt 1)
<input checked="" type="checkbox"/>	1000	1000 - Stand-in processing at the card issuer's option
<input type="checkbox"/>	1001	1001 - Card issuer signed off
<input type="checkbox"/>	1002	1002 - Card issuer timed out on original request
<input checked="" type="checkbox"/>	1003	1003 - Card issuer unavailable
<input type="checkbox"/>	1004	1004 - Terminal processed
<input checked="" type="checkbox"/>	1005	1005 - ICC processed
<input type="checkbox"/>	1006	1006 - Under floor limit
<input type="checkbox"/>	1007	1007 - Stand-in processing at the acquirer's option
<input checked="" type="checkbox"/>	11**	11** - All advice/notification rsns instead of req (pt 2)
<input type="checkbox"/>	1121	1121 - All advice/notification rsns instead of req (pt 2)
<input type="checkbox"/>	12**	12** - All advice/notification rsns instead of req (pt 3)
<input type="checkbox"/>	13**	13** - All advice/notification rsns instead of req (pt 4)
<input type="checkbox"/>	1376	1376 - No communications keys available for use
<input type="checkbox"/>	1377	1377 - Authorized by alternate means
<input type="checkbox"/>	1378	1378 - Over dispense
<input type="checkbox"/>	1381	1381 - Force post of a check or cash deposit.
Showing 1 to 209 of 209 entries		
First Previous 1 Next Last		
Add 4 value(s) will be added. View		
Cancel		

Transaction Search Results Screen

The Transaction Search Results page, displays a list of transactions that match the criteria entered on the Transaction Search screen. The number of results displayed in a page depends on the value entered in the # of Results in a set field in the Preferences page. (Refer the screen navigation on how to use View Previous Set and View Next Set links.)

Transaction Search Results - First Page

Transaction Search Results Views				
Current Date Range: 02/17/2014 - 04/08/2014 Change				
Set 1 View Next Set View: Standard Export: --Select--				
Search: <input type="text"/>				
Tran Activity	PAN	Transaction Amount	Network Recon Amount	Tran Type ID
Approval	999999*****1234	AUD 20.00	AUD 20.00	0010002000-Purchase From SAV
Approval	999999*****1231	AUD 20.00	AUD 20.00	0010002000-Purchase From SAV
Approval	999999*****1234	AUD 20.00	AUD 20.00	0010002000-Purchase From SAV
Approval	999999*****1234	AUD 20.00	AUD 20.00	0010002000-Purchase From SAV
Approval	999999*****1234	AUD 20.00	AUD 20.00	0010002000-Purchase From SAV
Approval	999999*****1231	AUD 20.00	AUD 20.00	0010002000-Purchase From SAV
Denial	999999*****1231	AUD 20.00	AUD 0.00	0010002000-Purchase From SAV
Denial	999999*****1234	AUD 20.00	AUD 0.00	0010002000-Purchase From SAV
Denial	999999*****1231	AUD 20.00	AUD 0.00	0010002000-Purchase From SAV
Approval	999999*****1231	AUD 20.00	AUD 20.00	0010002000-Purchase From SAV
Approval	999999*****1234	AUD 20.00	AUD 20.00	0010002000-Purchase From SAV

The last page of the Transaction Search Results displays the total number of transactions retrieved through the search.

Transaction Search Results - Last Page

Transaction Search Results Views				
Current Date Range: 02/17/2014 - 04/08/2014 Change				
Total: 880 View Previous Set View: Standard Export: -- Select --				
Search:	Tran Activity	PAN	Transaction Amount	Network Recon Amount
	Approval	999999*****1234	AUD 20.00	AUD 20.00
	Approval	999999*****1234	AUD 20.00	AUD 20.00
	Approval	999999*****1234	AUD 20.00	AUD 20.00
	Approval	999999*****1234	AUD 20.00	AUD 20.00
	Approval	999999*****1234	AUD 20.00	AUD 20.00
	Approval	999999*****1234	AUD 20.00	AUD 20.00
	Denial	999999*****1234	AUD 20.00	AUD 0.00
	Denial	999999*****1234	AUD 20.00	AUD 0.00
	Denial	999999*****1234	AUD 20.00	AUD 0.00
	Approval	999999*****1234	AUD 20.00	AUD 20.00
	Approval	999999*****1234	AUD 20.00	AUD 20.00
Showing 80 entries				

Change Date Range

This is the common information that is displayed across all the views of the transaction search results.

Click the Change link, which appears to the right of the Current Date Range. You can select a new date range to perform the search using the same search criteria. Select whether the search results should be returned with the newest or oldest date first.

Change Date Range Popup

Change Date Range

Start Date/Time:

04/01/2013

00:00:00

End Date/Time:

04/08/2013

23:59:59

☐ Show newest first
 ☒ Show oldest first

Search

- Start Date/Time - The beginning date to start the search for required information.
- End Date/Time - When performing a search, information is searched up to this date and time.
- Show Newest First - Select this option to display the most recent transactions at the top of the list and the oldest towards the bottom.
- Show Oldest First - Select this option to display the oldest transactions at the top of the list and the most recent at the bottom.

Views

You can display the results using different views. There are four pre-defined views:

- Standard (displayed by default)
- Signature Research
- Transaction Research
- ATM Research

Transaction Search Result Views

Transaction Search Results Views					
Current Date Range: 04/01/2013 - 05/07/2013 Change					
Set 1	View Next Set	View:	Standard	Export:	-- Select --
Search: <input type="text"/>					
			Standard		
			Signature Research		
			Transaction Research		
			ATM Research		
Tran Activity	PAN	Transaction Amount			Tran Type ID
Approval	999999*****1234	\$ 10.14	\$ 10.14		0000002000-Purchase From FND
Approval	999999*****1235	\$ 3.34	\$ 3.34		0000002000-Purchase From FND
Approval	999999*****1236	\$ 5.29	\$ 5.29		0000002000-Purchase From FND

You can also create up to four unique views. See section “[Views](#)” on page 72.

Standard View

The search results are displayed in the Standard view by default. You can view detailed information about transactions or request another search. The details of the Standard view are displayed in a grid format.

Transaction List Grid

In the Standard view, the Transaction List Grid section of the search results page is as shown below.

Transaction List Grid

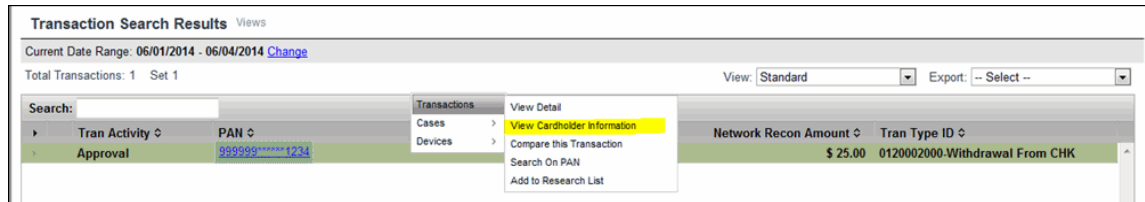
Set 1	View Next Set	View:	Standard	Export:	-- Select --
Search: <input type="text"/>					
Tran Activity	PAN	Transaction Amount	Network Recon Amount		Tran Type ID
Approval	999999*****1234	\$ 10.14	\$ 10.14		0000002000-Purchase From FND
Approval	999999*****1235	\$ 3.34	\$ 3.34		0000002000-Purchase From FND
Approval	999999*****1236	\$ 5.29	\$ 5.29		0000002000-Purchase From FND
Approval	999999*****1237	\$ 6.94	\$ 6.94		0000002000-Purchase From FND
Approval	999999*****1238	\$ 35.29	\$ 35.29		0000002000-Purchase From FND
Approval	999999*****1239	\$ 5.30	\$ 5.30		0000002000-Purchase From FND
Approval	999999*****1231	\$ 39.81	\$ 39.81		0000002000-Purchase From FND

The grid consists of the following fields:

- Tran Activity - A short description of the type of activity involved in the original transaction.
- PAN - The primary account number or card number involved in the transaction.
- Transaction Amount - The amount of funds requested at the card acceptor, along with the currency code. This amount does not include fees.
- Network Recon Amount - The transaction amount and any fee amount converted to network reconciliation currency.
- Tran Type ID - The type of financial activity involved in the original transaction.

To view the transaction details, place the cursor on any part of the required transaction and right-click to view the options. The menu choices display as shown below.

Transaction List Grid - Transactions



The Transactions option provides a list of tasks that can be performed on the selected transaction. Select the task to proceed.

Transaction Options	Description
View Detail	To view the details of the required transaction.
View Cardholder Information	To view the cardholder information.
Compare this Transaction	To compare two or more transactions.
Search on PAN	To search for other transactions based on the same PAN.
Add to Research List	To add the transaction to Research List.

Note: The View Cardholder Information option is displayed based on the security access of the user.

View Cardholder Information

The Cardholder Information pop-up is displayed when you click the View Cardholder Information option from the Transaction Search Results page (as shown on page 64) or click the View Cardholder Information link from the Transaction Detail page.

Cardholder Information



View Cardholder Information Link

Transaction Detail

PAN: 999999*****1234 Local Date/Time: 05/14/2014 01:41:43 Tran Amount \$ 19.25 Device ID: D12345

[View Cardholder Information](#) [Add to Research List](#) [Create Case](#)

Transaction Detail Additional Transaction Information Long Data MasterCard Information

[Funds Movement](#) [Terminal Location](#) [Acquirer Information](#) [Issuer Information](#)

Transaction Information

PAN: 999999*****1234	Transmission Date/Time: 05/16/2014 08:38:11
Exp. Date(YYMM):	Local Date/Time: 05/14/2014 01:41:43
Token PAN:	Authorized By: Acquirer
Device ID: D12345	Retrieval Reference #: 99999999999
Tran Type ID: 0000002000-Purchase From FND	System Trace #: 999999
Terminal Class: 01-Point-Of-Service Terminal	Reimbursement Attribute: (blank)
Trans Disposition: 1-Approval	Action Code: 000-Approved
Transaction Class:	Approval Code: 147630
Function Code: 200-Original Financial Request/Advice	
From Account ID:	To Account ID:
Iss Msg Reason: (blank)	External Sequence #:
Acq Msg Reason: 1007-Stand-in processing at the acquirer's option	

To view the case details, place the cursor on any part of the required transaction and right-click to view the options. The menu choices display as shown below.

Transaction List Grid - Cases

Transaction Search Results Views

Current Date Range: 04/29/2013 - 05/09/2013 [Change](#)

Set 1 | [View Next Set](#) | View: ATM Research Export: -- Select --

Search:

PAN	Tran Activity	Network Recon Amount	Local Date/Time	Action Code	Acq Network ID	Iss Netwo
999999*****1234	Approval	\$ 4.77	05/08/2013 15:35:04	000-Approved	VNT	FB2
999999*****1234	Transactions >	\$ 1.09	05/08/2013 15:35:04	000-Approved	VNT	COP
999999*****1234	Cases >	\$ 17.27	05/08/2013 15:35:05	000-Approved	VNT	COP
999999*****1234	Devices >	\$ 13.99	05/08/2013 15:35:05	000-Approved	VNT	COP
999999*****1238	Approval	\$ 10.99	05/08/2013 15:35:06	000-Approved	VNT	FA2

The Case option provides a list of tasks that can be performed on the selected transaction. Select the task to proceed.

Case Options	Description
View Related Cases	This lists the case(s) of a selected PAN.
Create Batch Cases	This displays the Transaction Batch Process screen to create cases for multiple transactions of a PAN.

To view the device details, place the cursor on any part of the required transaction and right-click to view the options. The menu choices display as shown below.

Transaction List Grid - Device

Transaction Search Results Views

Current Date Range: 04/01/2013 - 05/07/2013 [Change](#)

Set 1 | [View Next Set](#) | View:

Standard

 Export:

-- Select --



Search:

Tran Activity	PAN	Transaction Amount	Network Recon Amount	Tran Type ID
Approval	999999****	\$ 10.14	\$ 10.14	0000002000-Purchase From FND
Approval	999999****	\$ 3.34	\$ 3.34	0000002000-Purchase From FND
Approval	999999****		\$ 5.29	0000002000-Purchase From FND
Approval	999999****1237		\$ 6.94	0000002000-Purchase From FND
Approval	999999****1238		\$ 35.29	0000002000-Purchase From FND
Approval	999999****1239		\$ 5.30	0000002000-Purchase From FND
Approval	999999****1240		\$ 39.81	0000002000-Purchase From FND
Approval	999999****1241	\$ 13.71	\$ 13.71	0000002000-Purchase From FND

The Device option provides a list of tasks that can be performed on the selected transaction. Select the task to proceed.

Device Options	Description
Balance This Device	This is a list of balance sheets of the selected transaction's device.
Current Cash Totals	This displays the Current Cash Totals search screen with the Device ID field completed and the selected Device ID displayed in the Search on this field.
Current Device Status	This is the device status of the selected transaction's device.
Device History Detail	The Device History Detail page displays.
Review Device Deposit Sheets	This displays the deposit sheets of the selected transaction's device.
Verify Device Deposits	Verify Device Deposits Verify device deposits page for the selected transaction's device.

The Expand and Collapse arrow button is available for each transaction in the Transaction List grid, click these buttons -

-  to display the hidden field to get quick information on the specific transaction in order to determine if viewing the details is necessary.
-  to hide the specific fields of a transaction.

Note: The Expand and Collapse arrow buttons are available only in the Standard view.

Expand/Collapse View

Approval	999999*****1234	\$ 10.14	\$ 10.14	0000002000-Purchase From FND	
Local Date/Time:	04/04/2013 15:35:09	Iss Institution ID:	I123456789	Device ID:	D12345
Switch Date/Time:	04/04/2013 15:35:09	Retrieval Reference #:	125820206488	Merch Rptng Level:	01000002
Action Code:	000-Approved	Function Code:	200		
Approval	999999*****1235	\$ 3.34	\$ 3.34	0000002000-Purchase From FND	
Approval	999999*****1236	\$ 5.29	\$ 5.29	0000002000-Purchase From FND	

Fields	Description
Local Date/Time	The date and time the original transaction occurred at the card acceptor location.
Iss Institution ID	The institution that holds the cardholder's account.
Device ID	The device (POS or ATM terminal) identification number.
Switch Date/Time	The date and time (in MM/DD/YYYY and HH:MM:SS format) the switch receives a transaction.
Retrieval Reference #	A system generated reference identification number, retaining the original source information for the transaction.
Merch Rptng Level	The Business reporting level ID of the merchant who processed the required transaction.
Action Code	It is any action and the reason for the action that is requested by the transaction authorizer and is to be performed by the card acceptor.
Function Code	A code that further defines the transaction message.

Signature Research View

Select the Signature Research option. The transaction search results are displayed as shown below.

Signature Research View

Transaction Search Results Views

Current Date Range: 04/01/2013 - 05/07/2013 [Change](#)

Set 1 | [View Next Set](#) | View:

Signature Research

 Export:

-- Select --

Search:

PAN	Tran Activity	Network Recon Amount	Local Date/Time	Action Code	Function Code	Approval C
999999*****1234	Approval	\$ 10.14	04/04/2013 15:35:09	000-Approved	200	474105
999999*****1235	Approval	\$ 3.34	04/04/2013 15:35:09	000-Approved	200	048186
999999*****1236	Approval	\$ 5.29	04/04/2013 15:35:12	000-Approved	200	024950
999999*****1237	Approval	\$ 6.94	04/04/2013 15:35:13	000-Approved	200	421973
999999*****1238	Approval	\$ 35.29	04/04/2013 15:35:16	000-Approved	200	073500
999999*****1239	Approval	\$ 5.30	04/04/2013 15:35:17	000-Approved	200	048417
999999*****1240	Approval	\$ 39.81	04/04/2013 15:35:20	000-Approved	200	042519
999999*****1241	Approval	\$ 13.71	04/04/2013 15:35:21	000-Approved	200	021223
999999*****1242	Approval	\$ 6.07	04/04/2013 15:35:25	000-Approved	200	063657
999999*****1243	Approval	\$ 22.61	04/04/2013 15:35:28	000-Approved	200	085557

Showing 1 to 45 of 45 entries

Transaction Research View

Select the Transaction Research option. The transaction search results are displayed as shown below.

Transaction Research View

Transaction Search Results Views

Current Date Range: 04/01/2013 - 05/07/2013 [Change](#)

Set 1 | [View Next Set](#) | View: Transaction Research Export: -- Select --

Search:

PAN	Tran Activity	Network Recon Amount	Local Date/Time	Acq Network ID	Iss Network ID	Action
999999*****1234	Approval	\$ 10.14	04/04/2013 15:35:09	AFC	FB2	000
999999*****1235	Approval	\$ 3.34	04/04/2013 15:35:09	AFC	FB2	000
999999*****1236	Approval	\$ 5.29	04/04/2013 15:35:12	AFC	FB2	000
999999*****1237	Approval	\$ 6.94	04/04/2013 15:35:13	AFC	FB2	000
999999*****1238	Approval	\$ 35.29	04/04/2013 15:35:16	AFC	FB2	000
999999*****1239	Approval	\$ 5.30	04/04/2013 15:35:17	AFC	FB2	000
999999*****1240	Approval	\$ 39.81	04/04/2013 15:35:20	AFC	FB2	000
999999*****1241	Approval	\$ 13.71	04/04/2013 15:35:21	AFC	FB2	000
999999*****1242	Approval	\$ 6.07	04/04/2013 15:35:25	AFC	FB2	000
999999*****1243	Approval	\$ 22.61	04/04/2013 15:35:28	AFC	FB2	000

Showing 1 to 45 of 45 entries

ATM Research View

Select the ATM Research option. The transaction search results are displayed as shown below.

ATM Research View

Transaction Search Results Views

Current Date Range: 04/01/2013 - 05/07/2013 [Change](#)

Set 1 | [View Next Set](#) |

View: ATM Research

Export: -- Select --

Search:

PAN	Tran Activity	Network Recon Amount	Local Date/Time	Action Code	Acq Network ID	Iss Netwo
999999*****1234	Approval	\$ 10.14	04/04/2013 15:35:09	000-Approved	AFC	FB2
999999*****1235	Approval	\$ 3.34	04/04/2013 15:35:09	000-Approved	AFC	FB2
999999*****1236	Approval	\$ 5.29	04/04/2013 15:35:12	000-Approved	AFC	FB2
999999*****1237	Approval	\$ 6.94	04/04/2013 15:35:13	000-Approved	AFC	FB2
999999*****1238	Approval	\$ 35.29	04/04/2013 15:35:16	000-Approved	AFC	FB2
999999*****1239	Approval	\$ 5.30	04/04/2013 15:35:17	000-Approved	AFC	FB2
999999*****1240	Approval	\$ 39.81	04/04/2013 15:35:20	000-Approved	AFC	FB2
999999*****1241	Approval	\$ 13.71	04/04/2013 15:35:21	000-Approved	AFC	FB2
999999*****1242	Approval	\$ 6.07	04/04/2013 15:35:25	000-Approved	AFC	FB2
000000*****1243	Approval	\$ 22.61	04/04/2013 15:35:28	000-Approved	AFC	FB2

Showing 1 to 45 of 45 entries

Transaction Search Result Export

Exports the transaction data that is returned in the Transaction search results page, into an Excel spreadsheet format. You can save the exported data to a file.

- Select the Export option from the drop-down list.
 - Set 1 - To export the transaction data in sets.
 - Maximum 10035 - To export maximum for 10035 transaction data.
- The confirmation message popup is displayed.

Export Confirmation Message

Confirmation
This function may allow you to save (or print) sensitive data. This data must be handled in compliance with all of the appropriate PCI requirements.
<input type="button" value="OK"/> <input type="button" value="Cancel"/>

- Save the exported data to a file.

Export Results Data

	PAN	Tran Activity	Ntwk Recon Amt	Local Date/Time	Action Code	Acq Network ID	Iss Network ID	Device ID	Card Acpt Name
1	999999*****1234	Approval	\$ 10.14	04/04/2013 15:35:09	000-Approved	AFC	FB2	D12345	CA1234567890
2	999999*****1235	Approval	\$ 3.34	04/04/2013 15:35:09	000-Approved	AFC	FB2	D12345	CA1234567891
3	999999*****1236	Approval	\$ 5.29	04/04/2013 15:35:12	000-Approved	AFC	FB2	D12345	CA1234567892
4	999999*****1237	Approval	\$ 6.94	04/04/2013 15:35:13	000-Approved	AFC	FB2	D12345	CA1234567893
5	999999*****1238	Approval	\$ 35.29	04/04/2013 15:35:16	000-Approved	AFC	FB2	D12345	CA1234567894
6	999999*****1239	Approval	\$ 5.3	04/04/2013 15:35:17	000-Approved	AFC	FB2	D12345	CA1234567895
7	999999*****1240	Approval	\$ 39.81	04/04/2013 15:35:20	000-Approved	AFC	FB2	D12345	CA1234567896
8	999999*****1241	Approval	\$ 13.71	04/04/2013 15:35:21	000-Approved	AFC	FB2	D12345	CA1234567897
9	999999*****1242	Approval	\$ 6.07	04/04/2013 15:35:25	000-Approved	AFC	FB2	D12345	CA1234567898
10	999999*****1243	Approval	\$ 22.61	04/04/2013 15:35:28	000-Approved	AFC	FB2	D12345	CA1234567899
11	999999*****1244	Approval	\$ 10.14	04/04/2013 15:35:31	000-Approved	AFC	FB2	D12345	CA1234567900
12	999999*****1245	Approval	\$ 10.07	04/04/2013 15:35:33	000-Approved	AFC	FB2	D12345	CA1234567901
13	999999*****1246	Approval	\$ 26.26	04/04/2013 15:35:35	000-Approved	AFC	FB2	D12345	CA1234567902
14	999999*****1247	Approval	\$ 11.73	04/04/2013 15:35:35	000-Approved	AFC	FB2	D12345	CA1234567903
15	999999*****1248	Approval	\$ 38.05	04/04/2013 15:35:38	000-Approved	AFC	FB2	D12345	CA1234567904
16	999999*****1249	Approval	\$ 8.6	04/04/2013 15:35:41	000-Approved	AFC	FB2	D12345	CA1234567905
17	999999*****1250	Approval	\$ 5.5	04/04/2013 15:35:43	000-Approved	AFC	FB2	D12345	CA1234567906
18	999999*****1251	Approval	\$ 24.95	04/04/2013 15:35:44	000-Approved	AFC	FB2	D12345	CA1234567907
19	999999*****1252	Approval	\$ 5.89	04/04/2013 15:35:49	000-Approved	AFC	FB2	D12345	CA1234567908
20	999999*****1253	Approval	\$ 2.02	04/04/2013 15:35:53	000-Approved	AFC	FB2	D12345	CA1234567909
21	999999*****1254	Approval	\$ 4.53	04/04/2013 15:35:56	000-Approved	AFC	FB2	D12345	CA1234567910

The details exported for the transactions, will be whatever detail is included in the view that was displayed. A sample of the information is listed below.

- Tran Activity - A short description of the type of activity involved in the original transaction.
- PAN - The primary account number involved in the transaction.
- Tran Amount - The amount of funds requested at the card acceptor, along with the currency code. This amount does not include fees.
- Ntwk Recon Amt - The amount or fees to be reconciled with the network providers.
- Local Date/Time - The date and time the original transaction occurred at the card acceptor location.
- Device ID - The device (POS or ATM terminal) identification number.
- Iss Institution ID - The institution that holds the cardholder's account.
- Switch Date/Time - The date and time (in MM/DD/YYYY and HH:MM:SS format) the switch receives a transaction.
- Retrieval Reference # - A system generated reference identification number, retaining the original source information for the transaction.
- Tran Type ID - A code indicating the type of financial activity involved in the original transaction.
- Action Code - Defines the response to a request or message disposition.
- Merch Rptg Level - The Business reporting level ID of the merchant who processed the required transaction.

Views

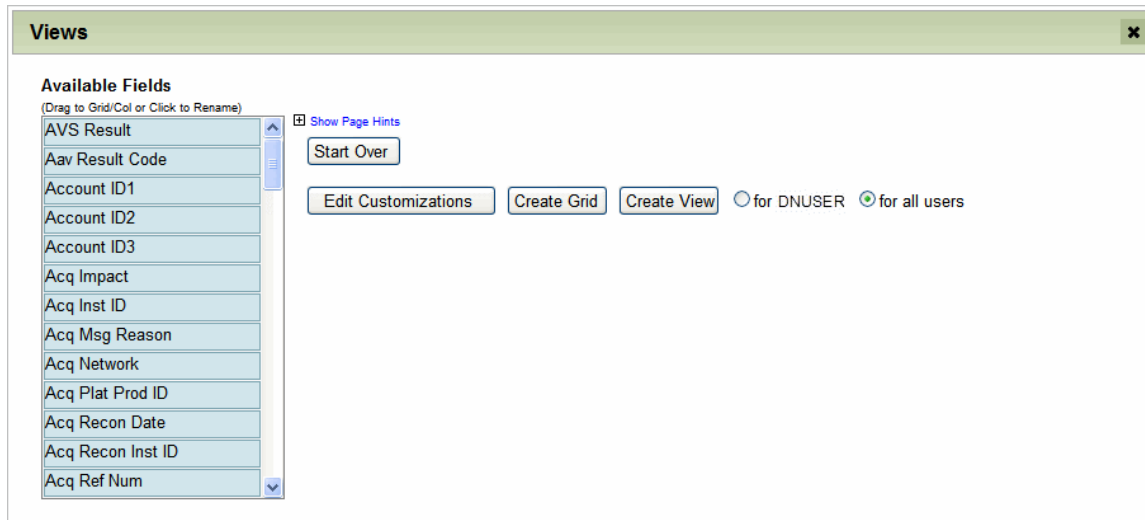
In addition to the four pre-defined views, you can create up to four custom views. Depending on your security access, you may also be able to create up to four shared custom views. Click the Views link in the Transaction Search Results screen to create custom or shared custom grids and views.

Views Link

Transaction Search Results Views
Current Date Range: 04/01/2013 - 05/07/2013 Change

The Views screen is displayed.

Views



Shared Custom Views

If you have the security access to create shared custom views then the option "for all users" is displayed in the Views screen as shown in the figure above. Select this option to create a shared custom view. This view would be available for all the users in that installation.

Custom Views

In the Views screen select the "for User" option to create a custom view. This view would be available only to the user who has created the view.

Field Description

Available Fields	The fields for creating your view are listed under the Available Fields column. Scroll down till the end of the list to view all the fields.
For User	This field is selected if the user wants to create custom views.
For all users	This field is selected if the user wants to create shared custom views for all the users in that installation.

View Links/Buttons

Name	Description
Show Page Hints	Expand this link to display a hint on using the features in the Views screen.

Name	Description
Start Over	Click this button to create a new grid/view.
Edit Customizations	Click this button to edit an existing grid/view.
Create Grid	Click this button to customize the view of the transaction search/case search results. The new grid displays the chosen fields horizontally.
Create View	Click this button to customize the view of the transaction search/case search results. The new view displays the chosen fields in columns.

Note: *Shared custom views and Custom views are built in a similar way. The difference is in the way these views are named while saving them for future use.*

- The name of a shared custom view begins with a hash symbol "#". Refer to "Shared Custom View (for all users)" on page 75.
- The name of a custom view begins with an asterisk "*". Refer to "Custom View" on page 76.

You can create the following types of views:

- Create Grid
- Create View

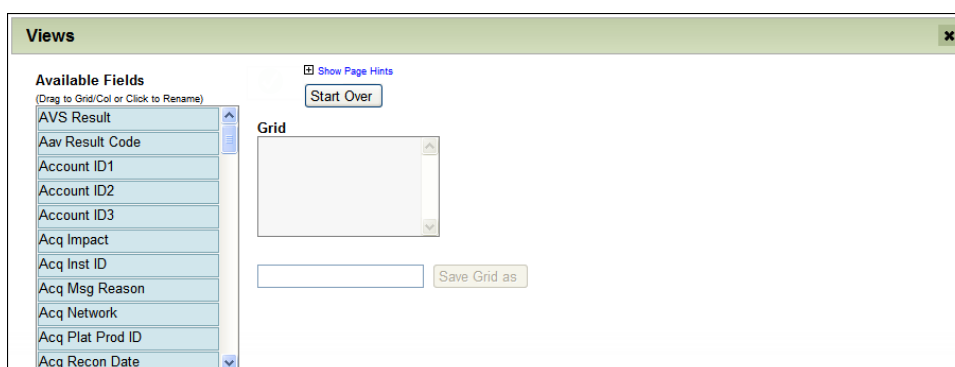
Create Grid

To create a grid:

1. Select the user option (for a single user or for all users) in the Views screen.
2. Click the Create Grid button.

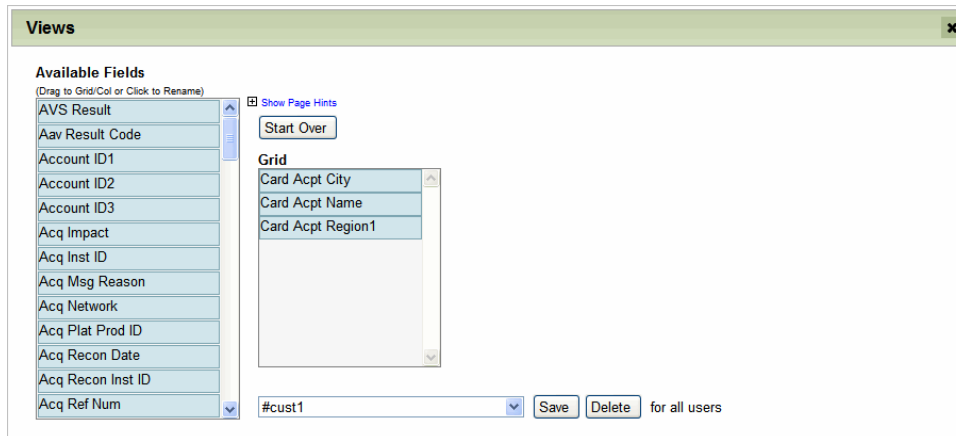
This example will show you how to create a grid for all users.

Create Grid

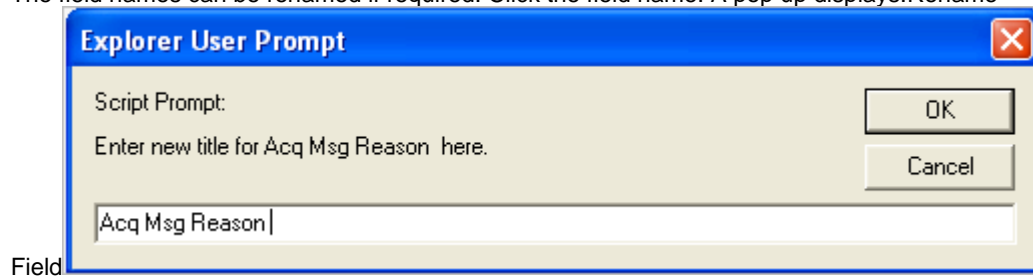


3. Drag the required fields one at a time and drop them into the empty Grid box.

Shared Custom View (for all users)



- a. The field names can be renamed if required. Click the field name. A pop up displays. Rename



- b. Enter a new title for the selected field and click the OK button to confirm the change.
4. Enter a new name for the grid and click the Save Grid as button.
5. Click the Start Over button to create another Grid view.

Note: Renaming a field does not move it to the grid. You can rename a field before or after moving it to the Grid field.

Create View

To create a view:

1. Select the user option (for a single user or for all users) in the Views screen.
2. Click the Create View button.

This example will show you how to create a grid for a specific User ID.

Create View

3. Drag the required fields one at a time and drop them into the empty Columns.

Custom View

- a. The field names can be renamed if required. Click the field name. A pop up displays. Rename

Field

- b. Enter a new title for the selected field and click the OK button to confirm the change.
4. Enter a new name for the view and click the Save View as button.
5. Click the Start Over button to create another view.

Note: Renaming a field does not move it to the view. You can rename a field before or after moving it to the view.

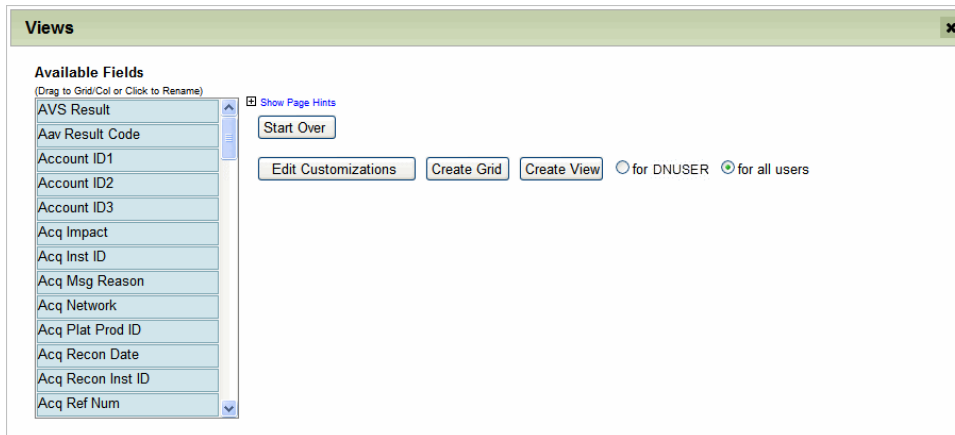
Edit Customizations

Edit Grid

To edit the grid:

1. Select the Views link from the Transaction Search Results page. The Views screen is displayed.

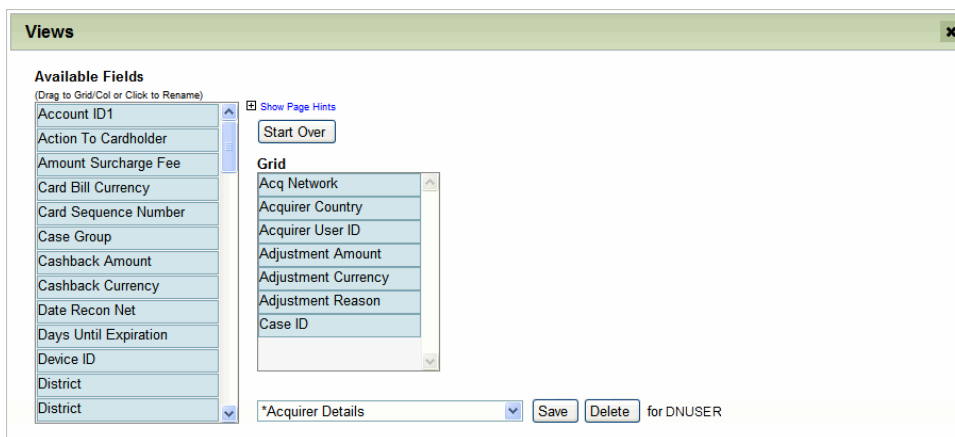
Views



The screenshot shows the 'Views' window with a title bar and a close button. Inside, there's a section 'Available Fields' with a list of fields: AVS Result, Aav Result Code, Account ID1, Account ID2, Account ID3, Acq Impact, Acq Inst ID, Acq Msg Reason, Acq Network, Acq Plat Prod ID, Acq Recon Date, Acq Recon Inst ID, and Acq Ref Num. To the right of the list is a 'Show Page Hints' button and a 'Start Over' button. Below these are three buttons: 'Edit Customizations', 'Create Grid', and 'Create View'. At the bottom right, there are two radio buttons: 'for DNUSER' (selected) and 'for all users'.

2. Click Edit Customizations.
3. Select the shared custom/custom view you wish to change from the drop down list.
The example below shows the Edit Customization for a grid for a specific User ID.

Edit Customizations



The screenshot shows the 'Views' window with a title bar and a close button. Inside, there's a section 'Available Fields' with a list of fields: Account ID1, Action To Cardholder, Amount Surcharge Fee, Card Bill Currency, Card Sequence Number, Case Group, Cashback Amount, Cashback Currency, Date Recon Net, Days Until Expiration, Device ID, District, and District. To the right of the list is a 'Show Page Hints' button and a 'Start Over' button. Below these is a 'Grid' section with a list of fields: Acq Network, Acquirer Country, Acquirer User ID, Adjustment Amount, Adjustment Currency, Adjustment Reason, and Case ID. At the bottom, there's a dropdown menu showing '*Acquirer Details', a 'Save' button, a 'Delete' button, and the text 'for DNUSER'.

4. Complete one of the following types of changes:
 - a. Make changes to the grid/view. Add, delete or rename fields as needed. Click Save.
 - b. Delete the view. Click Delete. A confirmation dialog box is displayed. Click OK to delete the view.
 - c. Return to the Views screen and click Start Over.

Edit View

To edit the view:

1. Select the Views link from the Transaction Search Results page. The Views screen is displayed.

Edit a View main page

2. Click Edit Customizations.
3. Select the shared custom/custom view you wish to change from the drop down list.
The example below shows the Edit Customization for a view for a specific User ID.

Edit Customizations page

4. Select the View you wish to change from the drop down list.
5. Complete one of the following types of changes:
 - a. Make changes to the view. Add, delete or rename fields as needed. Click Save.
 - b. Delete the view. Click Delete. A confirmation dialog box is displayed. Click OK to delete the view.
 - c. Return to the Views dialog and click Start Over.

Delete View

If you wish to delete a view that has been saved with a search favorite, then the following confirmation dialog box is displayed.

Confirmation to Delete View saved with a Search Favorite

Confirmation

If this View is saved with a search Favorite, the View will be removed from the Favorite. The Favorite will still work. The results will display using the previous View.

Click OK to delete the selected "My View".

Transaction Detail Screen

The Transaction Detail screen contains specific information about individual transactions and provides a series of tabs offering detailed transaction information.

Standard View

The search results are displayed in the Standard view by default. You can view detailed information about transactions or request another search. The details of the Standard view are displayed in a grid format.

Standard View

When the Transaction Search results are displayed in the Standard view, you can access the Transaction Detail screen for the required transaction.

1. In the Transaction Search Results scroll the page to view the required transaction.

Transaction List Grid

Set 1 View Next Set		View: Standard	Export: -- Select --		
Search: <input type="text"/>					
<div>▶</div>	Tran Activity ▾	PAN ▾	Transaction Amount ▾	Network Recon Amount ▾	Tran Type ID ▾
<div>▶</div>	Approval	999999*****1234	\$ 10.14	\$ 10.14	0000002000-Purchase From FND
<div>▶</div>	Approval	999999*****1235	\$ 3.34	\$ 3.34	0000002000-Purchase From FND
<div>▶</div>	Approval	999999*****1236	\$ 5.29	\$ 5.29	0000002000-Purchase From FND
<div>▶</div>	Approval	999999*****1237	\$ 6.94	\$ 6.94	0000002000-Purchase From FND
<div>▶</div>	Approval	999999*****1238	\$ 35.29	\$ 35.29	0000002000-Purchase From FND
<div>▶</div>	Approval	999999*****1239	\$ 5.30	\$ 5.30	0000002000-Purchase From FND
<div>▶</div>	Approval	999999*****1231	\$ 39.81	\$ 39.81	0000002000-Purchase From FND

2. Click the PAN link of the transaction to view the details as shown below.

Transaction Detail - Part 1

Transaction Detail			
PAN: 999999****1234 Local Date/Time: 05/14/2014 01:41:43 Tran Amount \$ 19.25 Device ID: D12345			
Add to Research List Create Case			
Transaction Detail Additional Transaction Information Long Data MasterCard Information			
Funds Movement Terminal Location Acquirer Information Issuer Information			
Transaction Information			
PAN:	999999****1234	Transmission Date/Time:	05/15/2014 08:38:11
Exp. Date(yymmdd):		Local Date/Time:	05/14/2014 01:41:43
Device ID:	D12345	Authorized By:	Acquirer
Tran Type ID:	0000002000.Purchase From FND	Retrieval Reference #:	45600605246
Terminal Class:	01.Point.Of.Service Terminal	System Trace #:	002018
Trans Disposition:	1.Approval	Reimbursement Attribute:	(blank)
Transaction Class:		Action Code:	000.Approved
Function Code:	200.Original Financial Request/Advice	Approval Code:	147630
From Account ID:		To Account ID:	
Iss Msg Reason:	(blank)	External Sequence #:	
Acq Msg Reason:	1007.Stand-in processing at the acquirer's option		

Transaction Detail - Part 2

Funds Movement			
	Amount	Currency	Conversion Rate
Transaction	\$ 10.14	840-U.S. Dollar	
Surcharge	0	(blank)	
Cardholder Billing	\$ 10.14	840-U.S. Dollar	1
Network Recon	\$ 10.14	840-U.S. Dollar	1
Acquirer Recon	\$ 10.14	840-U.S. Dollar	1
Issuer Recon	\$ 10.14	840-U.S. Dollar	1
Back to Top			
Terminal Location			
Name:	Terminal 1	Card Acceptor ID:	CA1234567890
Address:		Card Acceptor Sponsor ID:	
City:	MIAMI	Terminal ID:	T12345
State/Province:	FL	Clerk ID:	
Postal Code:	33157		
Country:	USA	MCC:	5814-Fast Food Restaurants

Transaction Detail - Part 3

Acquirer Information			
Institution ID:	I123456789	Country:	840.United States
Processor ID:	P123456	Acq Network ID:	AFC
Recon Inst ID:	I123456789	Recon Date:	09/16/2011
		Comm Path:	CTC002
Back to Top			
Issuer Information			
Institution ID:	I123499999	Country:	(blank)
Processor ID:	P999999	Iss Network ID:	FB2
Recon Inst ID:	I123499999	Recon Date:	09/15/2011
Card Logo ID:	ABCDEF	Comm Path:	
Card Interchg ID:	ABCDEF		

Note: Exception, fee, and fraud cases are created using the Exception Management System, an optional component of the DataNavigator® application. Contact your Account Executive for more information.

- Alternately, in the Transaction Search Results page, place the cursor on the required transaction and right-click to view the options as shown below.

Transactions View Detail Option

Transaction Search Results

Views

Current Date Range: 04/01/2013 - 05/07/2013 [Change](#)

Set 1

[View Next Set](#)

View: Standard

Export: -- Select --

Search:

Tran Activity	PAN	Transaction Amount	Network Recon Amount	Tran Type ID
Approval	999999*****1234	\$ 10.14	\$ 10.14	0000002000-Purchase From FND
Approval	999999*****1235	\$ 3.34	\$ 3.34	0000002000-Purchase From FND
Approval	999999*****1236	\$ 5.29	\$ 5.29	0000002000-Purchase From FND
Approval	999999*****1237	\$ 6.94	\$ 6.94	0000002000-Purchase From FND
Approval	999999*****1238	\$ 35.29	\$ 35.29	0000002000-Purchase From FND
Approval	999999*****1239	\$ 5.30	\$ 5.30	0000002000-Purchase From FND
Approval	999999*****1240	\$ 39.81	\$ 39.81	0000002000-Purchase From FND
Approval	999999*****1232	\$ 13.71	\$ 13.71	0000002000-Purchase From FND

- Select the Transactions View Detail option to see the Transaction Detail page.

Transaction Detail Information

The Transaction Detail screen, contains links to various informational sections pertaining to the transactions:

- Transaction Information
- Funds Movement
- Terminal Location
- Acquirer Information
- Issuer Information

The Create Case option is also provided.

Note: There may be some fields on the transaction detail that are blank. The word (blank) may be displayed or the field may be blank.

Transaction Detail

Transaction Detail	
PAN: 999999****1234	Local Date/Time: 05/14/2014 01:41:43 Tran Amount \$ 19.25 Device ID: D12345
Add to Research List Create Case	
Transaction Detail Additional Transaction Information Long Data MasterCard Information	
Funds Movement Terminal Location Acquirer Information Issuer Information	
Transaction Information	
PAN: 999999****1234	Transmission Date/Time: 05/16/2014 08:38:11
Exp. Date(Y/YMM):	Local Date/Time: 05/14/2014 01:41:43
Device ID: D12345	Authorized By: Acquirer
Tran Type ID: 0000002000-Purchase From FND	Retrieval Reference #: 45600605246
Terminal Class: 01-Point-Of-Service Terminal	System Trace #: 082018
Trans Disposition: 1-Approval	Reimbursement Attribute: (blank)
Transaction Class:	Action Code: 000-Approved
Function Code: 200-Original Financial Request/Advice	Approval Code: 147630
From Account ID:	To Account ID:
Iss Msg Reason: (blank)	External Sequence #:
Acq Msg Reason: 1007-Stand-in processing at the acquirer's option	

Additional Transaction Information

The Additional Transaction Information screen, contains links to various informational sections pertaining to the transactions.

Additional Transaction Information - Part 1

Transaction Detail		Next Tran	
PAN: 999999*****1234 Local Date/Time: 04/04/2013 15:35:09 Tran Amount \$ 10.14 Device ID: D12345			
		Add to Research List	Create Case
Transaction Detail Additional Transaction Information Long Data Visa Information			
Card Identifier Information Flag Information Additional Flags AP Fields Settlement Business Values Cross Border Fees Unique Transaction Data Canister Management Milestone Time Information			
Terminal Authorization Indicators			
Card		Cardholder	
Present:	1-Present	Present:	0-Cardholder Present
Capture Capability:	0-No Capture Capability	Authentication Capability:	1
Input Capability:	2-Magnetic Stripe Read	Authentication Entity:	0-No Authentication
Input Mode:	0-Unspecified	Authentication Method:	0-Unknown
Output Capability:	0-Unknown	Terminal Output Capability:	2-On Premises Of Card Acceptor, Unattended
PIN Capture Capability:	1-Unknown	Operating Environment:	
Back to Top			
Card Identifier Information			
Account Qualifier 1:		Card Type:	B
Account Qualifier 2:		Card Owner ID:	01
Message Type Identifier:	1240	Service Code:	(blank)

Additional Transaction Information - Part 2

Flag Information	
Host Received:	N
Host Sent:	N
AP Flag:	N
Reversed By:	
Platform Product ID:	A
OAR Request:	N
Card Acceptor Name Location Formatted:	
Back to Top	
Additional Flags	
Pin Data Format:	-1-No PIN
Pin Results:	0-PIN not verified
PMC Error:	FFFF-PMC routed the card successfully
Standin Option:	0
Standin Action:	
Back to Top	
AP Fields	
AP Approval Code:	
AP Card Group:	
AP Data:	
AP Error:	0
AP Error Trace Local:	0
AP Reject Reason:	0

Additional Transaction Information - Part 3

Settlement Business Values			
Acquirer		Issuer	
Recon Inst ID:	000000026	Recon Inst ID:	I123456789
Processor Group ID:	SWCH	Processor Group ID:	SWCH
Processor ID:	P12345	Processor ID:	P99999
Reporting Level ID:	01000002		
Merchant Tier ID:			
Back to Top			
Cross Border Fees			
NONE			
Back to Top			
Unique Transaction Data			
Dynamic CVV Result:		Track 1 Name Matching: (blank)	
ATC Results:		CVV1/CVC1 Result: N-Not Checked	
CVV2/CVC2 Result: (blank)		AVS Result: Y	

Additional Transaction Information - Part 4

Canister Management								
Media Type: Canister is not used								
	Canister 1	Canister 2	Canister 3	Canister 4	Canister 5	Canister 6	Canister 7	Canister 8
Denomination	0	0	0	0	0	0	0	0
Original # Items	0	0	0	0	0	0	0	0
# Dispensed	0	0	0	0	0	0	0	0
Back to Top								
Fraud Indicators								
Falcon Score Method:		(blank)						
Falcon Score Type:		(blank)						
Back to Top								
Milestone Time Information								
Time Spent Rqst Switch:		0		Time Spent Rqst Queued:		0		
Time Spent Resp Switch:		0		Time Spent Resp Queued:		0		
Time Spent Issuer:		0		Time Spent AP:		0		
Back to Top								

If there are fraud indicators for the transaction, then the Fraud Indicator fields display with data, and the fraud rule name from the Fraud Navigator application appears as shown below.

Fraud Indicators with Data

Fraud Indicators	
Falcon Score Method:	Real-time Eligible
Falcon Score Type:	Online Plus
Fraud Rule Name(s)	
Fraud Rule 2	
Back to Top	

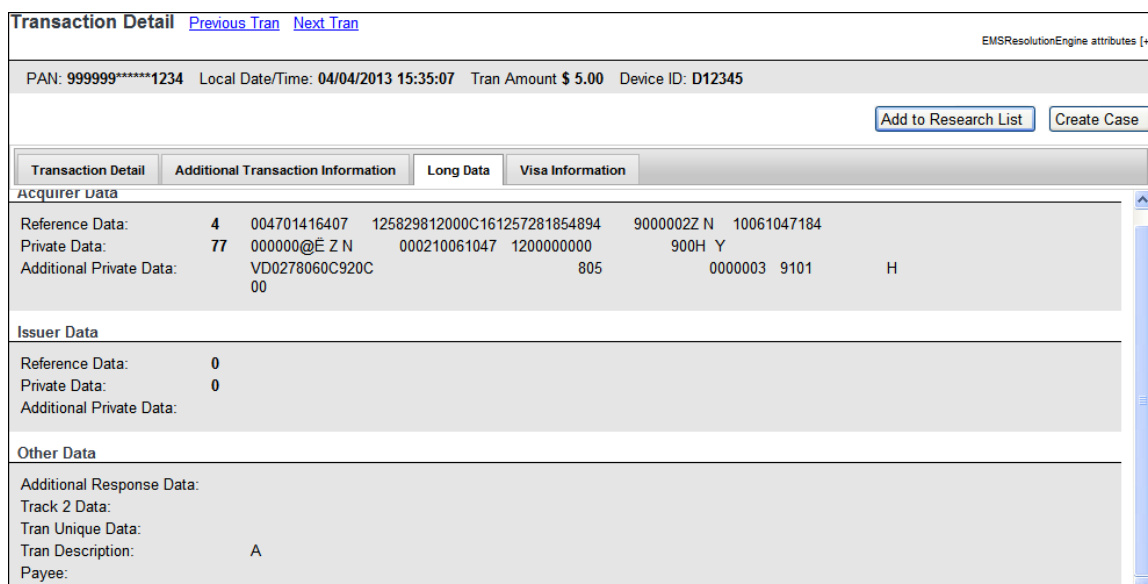
- Terminal Authorization Indicators
- Card identifier Information
- Flag Information
- Additional Flags
- AP Fields

- Settlement Business Values
- Cross Border Fees
- Unique Transaction Data
- Canister Management
- Fraud Indicators
- Milestone Time Information

Long Data

The Long Data screen contains the raw data that is received from the switch. This data is not formatted and is displayed as is under the different sections. The data pertains only to a specific transaction.

Long Data



Transaction Detail [Previous Tran](#) [Next Tran](#) EMSRResolutionEngine attributes [-]

PAN: 999999*****1234 Local Date/Time: 04/04/2013 15:35:07 Tran Amount \$ 5.00 Device ID: D12345

[Add to Research List](#) [Create Case](#)

Transaction Detail **Additional Transaction Information** **Long Data** **Visa Information**

Acquirer Data

Reference Data:	4	004701416407	125829812000C161257281854894	9000002Z N	10061047184
Private Data:	77	000000@E Z N	000210061047	1200000000	900H Y
Additional Private Data:		VD0278060C920C	805	0000003	9101 H

Issuer Data

Reference Data:	0
Private Data:	0
Additional Private Data:	

Other Data

Additional Response Data:	
Track 2 Data:	
Tran Unique Data:	
Tran Description:	A
Payee:	

- Acquirer Data
- Issuer Data
- Other Data

Transaction Detail Screen for Other Views

The Transaction Detail screen for the other views, i.e. Signature Research, Transaction Research and ATM Research are similar. The details tabs vary depending only on the type of transaction and/or the network that routed the item.

1. In the Transaction Search Results screen for the Signature Research/Transaction Research/ATM Research view, right click on the required transaction to view the available options. Refer to the [transactions drop down image](#).

Transaction Search Results - Signature Research View

Transaction Search Results Views

Current Date Range: 04/01/2013 - 05/07/2013 [Change](#)

Set 1 | [View Next Set](#) | View:

Signature Research

 Export: -- Select --

Search:

PAN	Tran Activity	Network Recon Amount	Local Date/Time	Action Code	Function Code	Approval
999999*****1234	Approval	\$ 10.14	04/04/2013 15:35:09	000-Approved	200	474105
999999*****1235	Approval	\$ 3.34	04/04/2013 15:35:09	000-Approved	200	048186
999999*****1236	Approval	\$ 5.29	04/04/2013 15:35:12	000-Approved	200	024950
999999*****1237	Approval	\$ 6.94	04/04/2013 15:35:13	000-Approved	200	421973
999999*****1238	Approval	\$ 35.29	04/04/2013 15:35:16	000-Approved	200	073500
999999*****1239	Approval	\$ 5.30	04/04/2013 15:35:17	000-Approved	200	048417
999999*****1240	Approval	\$ 39.81	04/04/2013 15:35:20	000-Approved	200	042519
999999*****1241	Approval	\$ 13.71	04/04/2013 15:35:21	000-Approved	200	021223
999999*****1242	Approval	\$ 6.07	04/04/2013 15:35:25	000-Approved	200	063657
000000*****1243	Approval	\$ 22.51	04/04/2013 15:35:28	000-Approved	200	085557

Showing 1 to 45 of 45 entries

- Click the Transactions View Detail option.
- The Transaction Detail page displays with other tabbed information.

Transaction Details - Signature Research View

Transaction Detail Next Tran		EMSRResolutionEngine attributes	
PAN: 999999*****1234 Local Date/Time: 04/04/2013 15:35:09 Tran Amount \$ 10.14 Device ID: D12345			
Add to Research List Create Case			
Transaction Detail Additional Transaction Information Long Data Visa Information			
Funds Movement Terminal Location Acquirer Information Issuer Information			
Transaction Information			
PAN: 999999*****1234 Exp. Date(YY/MM): Device ID: D12345 Tran Type ID: 0000002000-Purchase From FND Terminal Class: 01-Point-Of-Service Terminal Trans Disposition: 1-Approval Transaction Class: Function Code: 200-Original Financial Request/Advice		Transmission Date/Time: 04/04/2013 15:35:09 Local Date/Time: 04/04/2013 15:35:09 Authorized By: Acquirer Retrieval Reference #: 125820206488 System Trace #: 000173 Reimbursement Attribute: (blank) Action Code: 000-Approved Approval Code: 474105	
From Account ID: Iss Msg Reason: (blank) Acq Msg Reason: 1000-Stand-in processing at the card issuer's option		To Account ID: External Sequence #:	
Back to Top			

Refer to [“Additional Transaction Information”](#), [“Long Data”](#) and [“Visa Information”](#) for more details.

Conditional Links, Tabs and Buttons

There are several conditional links, tabs or buttons that may appear on the Transaction Detail screen across all the views depending on the transaction type.

- Electronic Journal
- Integrated Circuit Card
- MasterCard
- Maestro and Cirrus
- Visa
- Pulse Information
- Star Information

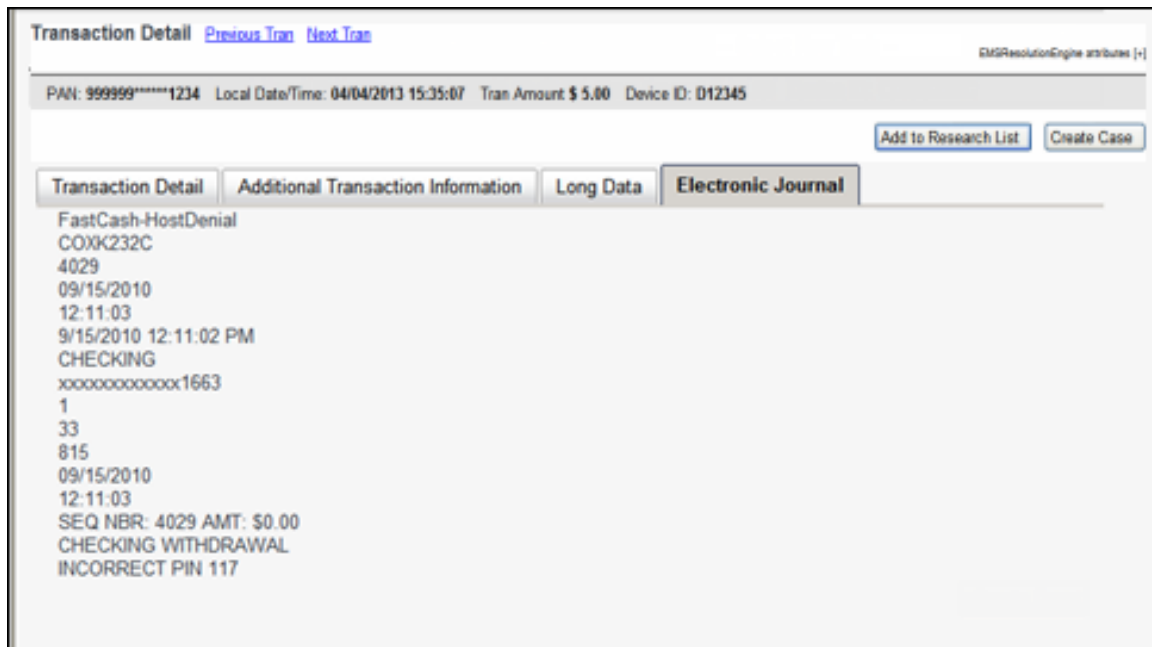
- BBL
- Deposit Detail
- Token

Electronic Journal

Note: The Electronic Journal tab is displayed based on the user's security privileges.

The Electronic journal tab displays the selected transaction's electronic journal details that were logged by the ATM. When resolving transaction issues, it can be helpful to see what information the machine recorded with reference to the transaction information sent through the approval process.

Electronic Journal



Transaction Detail [Previous Tran](#) [Next Tran](#) CMSResolutionEngine attributes [+]

PAN: 999999****1234 Local Date/Time: 04/04/2013 15:35:07 Tran Amount: \$ 5.00 Device ID: D12345

[Add to Research List](#) [Create Case](#)

Transaction Detail Additional Transaction Information Long Data **Electronic Journal**

FastCash-HostDenial
COXK232C
4029
09/15/2010
12:11:03
9/15/2010 12:11:02 PM
CHECKING
xxxxxxxxxxxxxxxx1663
1
33
815
09/15/2010
12:11:03
SEQ NBR: 4029 AMT: \$0.00
CHECKING WITHDRAWAL
INCORRECT PIN 117

Integrated Circuit Card

This link only displays if the card has an embedded chip and if the acquirer of the transaction captured the data during the transaction.

Integrated Circuit Card Information - Part 1

Transaction Detail		Next Tran	
PAN: 999999*****1234 Local Date/Time: 20-Feb-2015 04:39:27 PM Tran Amount \$ 123.00 Device ID: D12345			
Add to Research List Create Case			
Transaction Detail Additional Transaction Information Original Transaction Information Long Data Integrated Circuit Card			
Terminal Data Issuer Data Application Data Other Data			
Transaction Data			
Date:	130205	Sequence Counter:	(blank)
Type:	99	Currency Code:	840
Category Code:			
Terminal Data			
Serial Number:		Capabilities:	333333
Type:	35	Verification Result:	9595959595
Country Code:	840		

Integrated Circuit Card Information - Part 2

Issuer Data	
Application Data:	101010101010
Authentication Data:	9191919191
Discretionary Data:	(blank)
Script Results:	(blank)
Script 1 Data:	7103717171
Script 2 Data:	(blank)
Application Data	
Amount:	000000002222
Other Amount:	000000003333
Interchange Profile:	8282
Transaction Counter:	3636
Application ID:	0606060606060606
Application Version Number:	0909
Cryptogram:	2626262626262626
Cryptogram Information Data:	27
COPAC CCS CRYPTO:	0000000000000000
Other Data	
Cardholder Information:	343434
Dedicated File Name:	(blank)
Unpredictable Number:	37373737
ARPC Cryptogram:	(blank)
ARPC Response Code:	(blank)
Derivation Key Index:	(blank)

MasterCard

This link only displays if there is MasterCard information. There are 2 different MasterCard tabs, MasterCard IPM and MasterCard ISO.

MasterCard IPM

MasterCard IPM Information - Part 1 (Acquirer Reference Data)

Transaction Detail		Next Tran	
PAN: 999999*****1234 Local Date/Time: 02/07/2015 04:36:46 Tran Amount \$ 10.00 Device ID: D12345			
View Case View Cardholder Information Add to Research List Create Case			
Transaction Detail Additional Transaction Information Long Data MasterCard Information			
Acquirer Reference Data Acquirer Private Data Payment Facilitator Information			
Acquirer Reference Data			
Reference # Data:	05186144252000000000022	Codes	
Trace ID:	MCC01109U0904	Acceptance Brand ID:	DMC-Debit MasterCard
Indicators		Business Service Level:	(blank)
Interchange Rate:	75	Business Service ID:	
Life Cycle Support:		Institution ID:	999901
Settlement:	M-Mastercard Clearing and Net Settlement		

MasterCard IPM Information - Part 2 (Acquirer Private Data)

Acquirer Private Data	
Card	
Data Input Capability:	2-Magnetic stripe reader capability
Input Mode:	1-Manual input-no terminal
Present:	1-Card present
Capture Capability:	0-No capture capability
Output Capability:	0-Unknown-data not available
Cardholder	
Authentication:	9-Unknown-data not available
Present Data:	0-Cardholder present
Authentication Entity:	9-Unknown-data not available
Authentication Method:	9-Unknown-data not available
Tran Type:	00-Purchase (Goods and Services)
From Account:	00
To Account:	00
Terminal	
Data Output:	0-Unknown-data not available
Operating Environment:	1-On card acceptor premises-attended terminal
Type:	NA
Merchant Phone:	(800) 555-6666
Cust Service Phone:	(800) 555-6666
Additional Contact Info:	
Merchant Postal Code:	90210
ECS Level Indicator:	
Interchange Life Cycle:	
Program Reg ID:	
Payment Trans Initiator:	(blank)
QPS Eligibility Indicator:	(blank)
CVC2 Program Indicator:	(blank)
Remote Payment Prog Ind:	(blank)
Transit Trans Type Ind:	
Transportation Mode Ind:	
PPOL Program Data:	(blank)
Multiple Clearing Seq #:	
Multiple Clearing Seq Count:	

MasterCard IPM Information - Part 3 (Payment Facilitator Information)

Payment Facilitator Information	
Payment Facilitator:	00000053124
Independent Sales Org. ID:	00000022134
Sub-Merchant ID:	1515151515

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MasterCard IPM Information - Part 4 (Installment Payment Data)

Installment Payment Data			
Installment Type:	20-Issuer-financed	1st Installment Amount:	\$ 12.34
# of Installments:	3	Subsequent Installment Amount:	\$ 23.09
Interest Rate:	123.45 %	Tax ID:	123123123123123123
Annual Percentage Rate:	123.23 %	Installment Fee:	\$ 23.30

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MasterCard ISO

MasterCard ISO Information - Part 1

Transaction Detail		Previous Tran		Next Tran	
PAN: 400000*****0001 Local Date/Time: 03-Feb-2017 08:03:40 Tran Amount \$ 25.00 Device ID: IN00K5					
View Cardholder Information Add to Research List Create Case					
Transaction Detail Additional Transaction Information Long Data MasterCard Information Token					
Acquirer Reference Data Acquirer Private Data POS Data Unique Transaction Data Installment Payment Data Additional Transaction Analysis					
Acquirer Reference Data					
System Trace #:	001047	Banknet Reference #:	MCC000007		
Local Date/Time:	0127080340	Banknet Date:	0127		
Tran Category Code:	(blank)				
Back to Top					
Acquirer Private Data					
Acq Institution ID:	840 L	Additional Data Length:	720		
Message Class:	0	Intermediate Network Fac Data:	022		
POS					
PAN Entry Mode:	90-PAN auto-entry via magnetic stripe				
PIN Entry Mode:	2-Terminal does not have PIN entry capability				
Cardholder Indicator:	0-Cardholder present				
Terminal Capability:	7-Mag stripe reader and key entry				
Terminal Indicator:	1-Unattended terminal (cardholder-activated terminal, home PC, mobile phone, PDA)				
Indicators					
Cash Advance:	0	Codes			
Settlement Amount:	1	PIN Service:	(blank)		
Card Amount:		Advice Reason:	100		
Electronic Commerce:		Processing:	000000		
Retrieval Reference #:	1	Banknet Error:	2		
Data Received:		Response:	(blank)		
Magnetic Stripe		Record:	00		
Status:		Advice Detail:	MCI		
Compliance Error:					
Processor Pseudo ICA:					
Authorization System Date/Time:					
Partial App Term Support Ind:	(blank)				
Remote Payment Prog Ind:	(blank)				
Transit Trans Type Ind:					
Transportation Mode Ind:					
Wallet Identifier:	(blank)				
Back to Top					

MasterCard ISO Information - Part 2 (Payment Facilitator Information)

Payment Facilitator Information	
Payment Facilitator:	00000053124
Independent Sales Org. ID:	00000022134
Sub-Merchant ID:	1515151515
Back to Top	

MasterCard ISO Information - Part 3

POS Data	
POS Entry Mode:	000
PIN Capture Code:	
Back to Top	
Unique Transaction Data	
AVS Result:	
AVS Matrix Result:	
CVC1 Result:	N
CVC2 Response Indicator:	
Dynamic CVV Result:	
AAV Result Code:	(blank)
UCAF Data:	
CVC2 Acq Result:	(blank)
CVC2 Iss Result:	(blank)
CVC2 Presence Indicator:	(blank)
CVC2 Matrix Result:	(blank)
ATC Results:	
Back to Top	

MasterCard ISO Information - Part 4 (Installment Payment Data)

Installment Payment Data			
Installment Type:	20-Issuer-financed	1st Installment Amount:	\$ 12.34
# of Installments:	3	Subsequent Installment Amount:	\$ 23.09
Interest Rate:	123.45 %	Tax ID:	123123123123123
Annual Percentage Rate:	123.23 %	Installment Fee:	\$ 23.30

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MasterCard ISO Information - Part 5 (Additional Transaction Analysis)

Additional Transaction Analysis	
Transaction Disposition:	CI-Continue processing with information
Test Results:	SNAOVP
	SNA - Request service not allowed for this product
	OVP - CDCVM (was possible but) not performed

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Maestro and Cirrus

The Maestro and Cirrus tab displays information about the Maestro and Cirrus transactions. This tab is displayed on the main Transaction Detail page. The Additional Transaction information is displayed when one of the fields (either Transaction Disposition or Test Results) contains data. The Additional Acquirer Private Data section displays the Risk score and associated Risk Reason.

Maestro and Cirrus

Transaction Detail	
PAN: 999999*****1234 Local Date/Time: 06-Mar-2014 16:00:30 Tran Amount \$ 6.53 Device ID: D12345	
View Cardholder Information Add to Research List Create Case	
Transaction Detail Additional Transaction Information Long Data Maestro and Cirrus Information	
Additional Transaction Analysis Transaction Disposition: CI-Continue processing with information Test Results: SNAOVP SNA - Request service not allowed for this product OVP - CDCVM (was possible but) not performed	
Back to Top	
Additional Acquirer Private Data Risk Score (MasterCard Fraud Score): 371 Risk Reason (MasterCard Fraud Reason Code): XX	
Back to Top	

Maestro and Cirrus

Transaction Detail Previous Tran	
PAN: 350100*****0001	Local Date/Time: 06-Feb-2017 08:30:43 Tran Amount \$ 40.00 Device ID
<div> <div>Transaction Detail</div> <div>Additional Transaction Information</div> <div>Original Transaction Information</div> <div>Long Data</div> </div>	
Additional Transaction Analysis	
Transaction Disposition:	CI-Continue processing with information
Test Results:	SNAOVP
	SNA - Request service not allowed for this product
	OVP - CDCVM (was possible but) not performed

Visa Information

This link only displays if there is Visa information.

Visa Information

Transaction Detail EMSRResolutionEngine attributes (+)	
PAN: 999999****4234	Local Date/Time: 07/10/2014 10:25:00 Tran Amount \$ 26.46 Device ID: D12345
<div> View Case Add to Research List Create Case </div>	
<div> <div>Transaction Detail</div> <div>Additional Transaction Information</div> <div>Long Data</div> <div>Visa Information</div> </div>	
Single Message System Information Unique Transaction Data	
Transaction Information	
Business ID:	10061047
Acq BIN:	439900
Additional Data:	
Merchant Verification Value:	2002230000
Floor Limit Flag:	Z-Zero floor limit
POS	
PAN Entry Mode:	90-PAN auto-entry via magnetic stripe
Terminal Capability:	2-Magnetic Stripe Reader
Multiple Clearing Seq #:	
Transaction Identifier:	384190673109447
Acquirer Reference #:	24399004191041005081900
Indicators	
Mail/Phone/eCom:	(blank)
CRB:	(blank)
Auth Characteristics:	E-Card present with merchant name and location data
Special Condition RIS:	(blank)
Special Condition Merchant:	(blank)
Fee Program:	210
Chargeback Rights:	00-Card present - non T&E
Req Payment Service:	A-CPS Retail
eCom Goods:	(blank)

Visa SMS Information

Transaction Detail [Previous Tran](#) [Next Tran](#) EMSRResolutionEngine attributes [+]

PAN: 133333*****0000 Local Date/Time: 20-Aug-2018 02:09:58 Tran Amount \$ 123.00 Device ID: INT0GR

[View Cardholder Information](#) [Add to Research List](#) [Create Case](#)

Transaction Detail **Additional Transaction Information** **Long Data** **Visa Information**

[Single Message System Information](#) [Unique Transaction Data](#)

Single Message System Information

Retrieval Reference #:	823207120142	Indicators	
System Trace #:	120142	STIP:	(blank)
CRIS Edit Error:	000	Special Chargeback:	(blank)
From Account ID:		Merchant Volume:	
To Account ID:		Existing Debit:	
Network ID:	(blank)	Market:	(blank)
PLS PMC ID:	000	No Show:	(blank)
Tran Type ID:		Extra Charges:	(blank)
Decimal Positions Indicator		Prestige Property:	
Cardholder:		Restricted Ticket:	(blank)
Settlement:	00	Visa AVS Result:	
Transaction:		Spend Qualified:	Spend processing does not apply
POS		ATM Routing Table ID:	3028434
Condition Code:	(blank)		
PIN Entry Mode:	0-Unspecified or unknown		
Check In/Out Date:			
Duration:			
Purchase ID Format:	(blank)		
Purchase Identifier:			
STIP/Switch Reason:			
Multiple Clearing Seq Count:			
Agent Unique ID:	(blank)		
Codes			
Message Reason:	0299		
Response:			
Risk:			
Risk Condition:			

Visa Information - Unique Transaction Data

Unique Transaction Data

AVS Result:		CVV2 Acq Result:	(blank)
CVV1 Result:	N-Not Checked	CVV2 Iss Result:	(blank)
CVV2 Presence Indicator:	(blank)	CAVV Result:	N-Not processed
CVV2 Response Indicator:		CVV1/CVV Results Code:	(blank)

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Visa Base II Information

Transaction Detail **Additional Transaction Information** **Long Data** **Visa Information** [Back to Top](#)

Base II Information

Terminal ID:	0 413	Dispute Central Processing Date:	
Transaction Code:		Cardholder ID Method:	0-Unknown
Transaction Code Qualifier:	(blank)	Card Acceptor ID:	8888888888888888
Settlement Flag:		Cashback Amount:	5
POS Environment:		Interface Trace #:	095963
Service Develop Field:	(blank)	Visa AVS Result:	
Agent Unique ID:	VCIND-Visa Check Out Service		
Transaction Indicators			
ATM Account:	(blank)	Cardholder Activated Terminal:	1
Prepaid Card:	(blank)	Positive Cardholder Auth Service:	
International Fee:			
Spend Qualified:	Spend processing does not apply		

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Note: In most cases, the Single Message Information System (SMS) displays in the Visa tab. If the Visa tab has the Base II information, then the Base II information section replaces the SMS section.

Pulse Information

This tab is displayed only if the Transaction ID has a value.

Pulse Information

Home Transactions Cases Devices Reports Switches Tools Help Back to Previous Printable View Variant	
Transaction Detail Previous Tran Next Tran	
PAN: 999999****1234 Local Date/Time: 08/21/2014 12:17:20 Tran Amount \$ 123.00 Device ID: D12345	
Add to Research List Create Case	
Transaction Detail Additional Transaction Information Long Data Pulse Information	
Additional Transaction Information	
Pulse Transaction ID:	
Multiple Clearing Seq #:	01
Multiple Clearing Seq Count:	03

Star Information

This tab only displays if there is Star information.

Star Information

Transaction Detail EMSRResolutionEngine attributes (+)	
PAN: 550883*****7270 Local Date/Time: 06-Jul-2018 15:02:05 Tran Amount \$ 300.00 Device ID: CKE717	
View Cardholder Information Add to Research List Create Case	
Transaction Detail Additional Transaction Information Long Data Star Information	
Acquirer Private Data	
Access Tran Sequence #:	2116 1 40
Acq Reference #:	006 0
Payment Initiation Type:	(blank)
Interchange Program Identifier:	
Tran Description:	0

BBL

This link displays only if there is BBL information.

BBL

Transaction Detail
[Next Tran](#)

EMResolutionEngine attributes [+]

PAN: 9999997771234 Local Date/Time: 06/01/2013 00:08:00 Tran Amount \$ 103.07 Device ID: D12345

[Add to Research List](#)
[Create Case](#)

Transaction Detail
Additional Transaction Information
Long Data
Integrated Circuit Card
Visa Information
BBL

BBL Information

BBL Private:	BBL*PRIVATE*DATA*BBL*PRIVATE*DATA*BBL*PRIVATE*DATA		
Cross Border Flag:	Y	CVV2 Resp Ind:	G
Card Scheme:	02	CVV1 CVC1 Result:	C
Card Brand:	BBL_Visa	CVV2 Acquirer Result:	D
Card Location:	W	Acquirer Fee:	0.90
Transaction Service:	002	Acq Fee Type:	70
Device Type Channel:	01	Acq Fee Currency Code:	764
Pos Term Type:	12345	Issuer Fee:	0.73
Parent MID:	001800	Iss Fee Type:	71
Alt Merch Id:	001800	Iss Fee Currency Code:	764
Physical MID:	MEP120000001	Switch Fee:	0.65
Physical TID:	MEP012	Switch Fee Type:	92
ATC Result:	A	Switch Fee Currency Code:	764
CVV2 Issuer Result:	E	CVV2 Pres Ind:	F

Deposit Detail

The Deposit Detail screen contains the details of the check deposits that are associated with the transaction. If there are no deposits, then this tab is not displayed.

Deposit Detail

Transaction Detail
[Previous Tran](#)
[Next Tran](#)

EMResolutionEngine attributes [+]

PAN: 999999*****1230 Local Date/Time: 01/08/2015 09:47:38 Tran Amount \$ 700.00 Device ID: D12345

[Add to Research List](#)
[Create Case](#)

Transaction Detail
Additional Transaction Information
Long Data
Deposit Detail

[Check Detail](#)

Deposit Information

Device ID:	D12345	Device Sequence #:	000000000028
Deposit Date:	01/08/2015 09:47:38	# of Checks in Deposit:	2
Deposit Type:	Q - Check		
Deposit Total:	\$ 700.00		

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Check Detail

MICR Data	Scanned Amount	Customer Entered Amount
T123456780T 12345678* 0231	\$ 400.00	\$ 400.00
T123456780T 12345678* 0133	\$ 300.00	\$ 300.00

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Token

This tab displays information about the token transactions for issuers and acquirers. It is displayed only if the transaction has the associated token information.

- In Token transaction, if the Token Service Provider value is 2 bytes or empty, the following screen is displayed:

Transaction Detail		Next Tran	
PAN: 999999*****1230 Local Date/Time: 07/22/2015 04:56:36 Tran Amount \$ 25.00 Device ID: D12345			
Add to Research List Create Case			
<div> <div>Transaction Detail</div> <div>Additional Transaction Information</div> <div>Long Data</div> <div>Visa Information</div> <div>Token</div> </div>			
Token for Original PAN:	123123123123	Activation Verification Results:	(blank)
PAN Information:		AAM Velocity Checking Result:	(blank)
Assurance Level:		Elapsed Time to Live:	0
Service Provider ID:		# of Transactions:	0
Requestor ID:		Cumulative Transaction Amount:	0 (USD)
Type:		Device Type:	01-Mobile Phone
Status:		Device Location:	chennai
Transaction Identifier:	4	Device Expiration Date (YYMM):	
PAN Reference Number:			
Lookup Transaction ID:			

- In Token transaction, if Token Service Provider value is 11 bytes, the following screen is displayed, that is, the **Service Provider ID** field is replaced with **Requestor-Service Provider ID** field.

Transaction Detail		Next Tran	
PAN: 478662*****5988 Local Date/Time: 07/31/2020 23:42:28 Tran Amount \$ 18.51 Device ID: 914001			
Add to Research List Create Case			
<div> <div>Transaction Detail</div> <div>Additional Transaction Information</div> <div>Long Data</div> <div>Visa Information</div> <div>Token</div> </div>			
Token for Original PAN:	4439142800001383	Activation Verification Results:	(blank)
PAN Information:		AAM Velocity Checking Result:	(blank)
Assurance Level:		Elapsed Time to Live:	0
Requestor-Service Provider ID:	00000000000	# of Transactions:	0
Requestor ID:	40010059876	Cumulative Transaction Amount:	0 (USD)
Type:	WA	Device Type:	(blank)
Status:		Device Location:	
Transaction Identifier:		Device Expiration Date (YYMM):	
PAN Reference Number:			
Lookup Transaction ID:			

Case Buttons

More than one type of case can be created for a transaction, a standard case, fee case, or fraud case. Only a standard case and fee case can be created from the Transaction Detail page.

Note: *Fraud and Fee cases can be created from the transaction detail screen for national networks. Regional networks do not allow Fraud/Fee cases.*

- Create Case - This button only displays for a transaction based on the network in which the transaction is occurring. For national networks, this button is displayed until all these type of exceptions (Standard, Fee, Fraud) are processed against the transaction.
- View Case - This link displays only if an exception is associated with the transaction.

Shazam Information

This tab displays information about the Shazam transactions for issuers and acquirers. It is displayed only if the associated Shazam fields contain data.

Shazam Information

Transaction Detail
[Previous Tran](#)
[Next Tran](#)

PAN: 999999*****1234 Local Date/Time: 09-Feb-2018 01:22:34 Tran Amount \$ 25.00 Device ID: D12345

[View Case](#) View Cardholder Information [Add to Research List](#) [Create Case](#)

Transaction Detail

Additional Transaction Information

Long Data

Shazam Information

Additional Transaction Information

Shazam Transaction ID:	A567A567A567A567
Electronic Commerce Indicator (ECI):	3-Installment billing
Dual Message Auth Type Ind:	I-Incremental Authorization
Chargeback Rights Ind:	01-Card not present-AVS (T&E and non-T&E)
Airline Passenger Ticket:	123456789012345
Function Code:	180-SHAZAM dual-message authorization

Transaction Search Procedures

The Transaction Search screen can be accessed from the Transactions drop down menu on the home page.

Starting a Transaction Search

Before you begin searching, you usually have some transaction data to be used in your search. This transaction data may be from a customer inquiry, a settlement report, or some other data source. You can begin a search for transactions by using the Processor ID, Institution ID, or Device ID.

1. To begin a transaction search, log on to DataNavigator® as explained in [Logging onto the DataNavigator Web Client](#). Follow the steps below to perform a standard transaction search. Refer to [Refining Your Transaction Search](#) for a more filtered search.
2. The Home Page is at Processors level:
 - a. If you have access to more than one processor, select a processor.
 - b. Select Transaction Search from the Choose Processor Task drop-down menu. The Transaction Search screen is displayed with the selected processor in the Search on this window.
3. Home Page is at Institution level:
 - a. If you have access to more than one institution, select an institution.
 - b. Choose one of the following: To search for a transaction for an acquiring institution, choose Transaction Search Acq in the Choose Task Field. To search for a transaction for an issuing institution, choose Transaction Search Iss in the Choose Task field. To search for a transaction done at a specific terminal, locate the device ID. Then choose Transaction Search in the Choose Task field. The Transaction Search screen is displayed with the selected institution and/or device ID in the Search on this window.
4. Home Page is at Device level:
 - a. Select the specific terminal. Choose the respective Institution. Click View Devices in choose task list box for the selected Institution to list the set of Devices within this Institution. Locate the required Device ID and choose Transaction search in the Choose task list box for the selected Device ID.
5. On the Transaction Search page, use the Start Date/Time and End Date/Time fields to specify a range of dates and times during which the transaction occurred.
 - a. Click the icon to select dates.
 - b. With the cursor in the desired fields, increase or decrease the hours, minutes, or seconds value for the Start Date/Time and End Date/Time fields.
6. Enter the Primary Search data. Refer to [Primary Search Data](#) for more details.
7. Click the Add button to add the search criteria to the Search on this window. You can review the search criteria and add additional search conditions.
8. After confirming the search conditions, click the Search button to initiate the search.
9. If the information currently entered is enough data to obtain your search results, click the Search button. Otherwise, you can continue with the [Refining Your Transaction Search](#) section.

Refining Your Transaction Search

This section outlines the different methods to filter the data in order to refine the transaction search.

Choosing Search Data

This section contains key search fields to build your search criteria. If you are starting the search from the Processor home page, the search requires at least one of these fields. In the Choose Search Data section, enter or select a value in one or more of the required fields.

1. You can enter the first 6 (or more) characters of the cardholder's account number in the PAN field followed by an asterisk *. For example, the user can enter 1233456* as the PAN.
2. Do one of the following in the Device ID field:
 - a. Enter the exact terminal identifier.
 - b. Click the Find link to locate and choose one or more device IDs. When using this option, you need to know the information for any one of the following search parameters for the device: Address, City, State/Province, Country Code, Postal Code, Device ID.
3. In the Acq Recon Inst ID field, review the selected institution ID, which is automatically displayed in the Search on this section.
 - a. Enter the exact institution where the transaction was reconciled.
 - b. Click the Find link to locate and choose the institution where the transaction was reconciled.
4. In the Iss Recon Inst ID field, review the selected institution ID, which is automatically displayed in the Search on this section.
 - a. Enter the exact institution where the transaction was reconciled.
 - b. Click the Find link to locate and choose the institution where the transaction was reconciled.
5. Do one of the following in the Merch Rptng Level field:
 - a. Enter the merchant reporting level identifier.
 - b. Click the Find link to locate and choose one or more merchant reporting level IDs. When using this option, you need to know the information for any one of the following search parameters for the merchant reporting level: ID, Description

Using Additional Search Data

If the search needs more refinement, additional search fields are available. Refer to "[Additional/Stand-Alone/Extended Search Data](#)" for more details about the optional fields to further refine your search. The following fields are required to enter a value to use in the search:

- Account ID
- Actual Terminal ID
- Institution ID Acq
- Institution ID Iss
- Retrieval Reference #
- System Trace #
- Merchant Name
- Card Acceptor ID
- Acq Ref #
- Clerk ID
- Network Recon Amount

Note: You can search on multiple values by selecting the check box and clicking the Add button. This sequence can be repeated as necessary until all the desired values for the search are listed.

The following fields have a list box, allowing you to select multiple values at a time:

- Account Type Group
- Action Code
- Authorized By
- MCC
- Country Code Acq
- Tran Disposition
- Tran Type Group
- Tran Type ID
- Function Code
- Bus Proc ID Acq
- Bus Proc ID Iss
- Network ID Acq
- Network ID Iss
- Acq Message Reason
- Verification Method
- Terminal Type

Using CPP Search Data

The CPP search data is used to determine a common point of purchase from your list of compromised PANs.

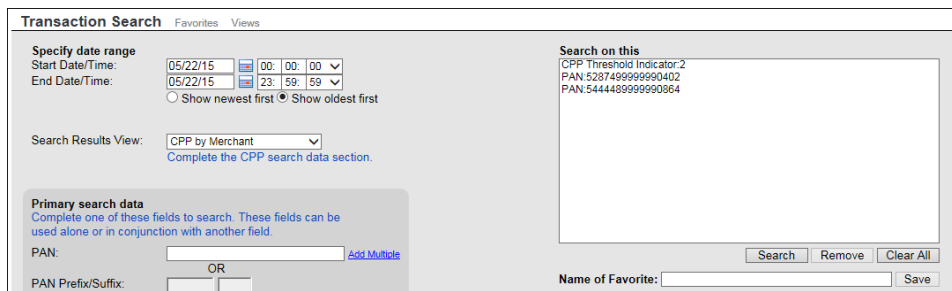
To create a list of transactions by terminal or merchant in which two or more PANs from the provided list were used:

1. Create a custom view. Refer to "[Views](#)" for more information on creating a custom view.
2. In the custom view, add one of the following two fields:
 - a. CPPCardAcceptorTerminal or
 - b. CPPCardAcceptorID.
3. Add any other fields required for the view.
4. On the Transaction Search screen add your list of PANs to the search.

Note: You are required to enter a minimum of two PANs to perform a search based on CPP.

5. Enter the date range.
6. From the Search Results View field, select the CPP by Merchant or the CPP by Terminal option.
The CPP Threshold Indicator field is enabled.
7. Change the CPP Threshold Indicator if required. (The default is two which indicates that transactions at common locations where two or more of the provided PANs were used at that location would be displayed.)

Selection of Multiple PANs for CPP Search



8. Click the Search button.

The Transaction Search Results screen is displayed. The results display transactions that were used at a common terminal (or common merchant).

If you try to perform a search using a single PAN, then the following error message is displayed.

CPP Search Error Message



Selected Search Criteria Box

These procedures can be used to add values to or remove values from the Selected Search Criteria box:

- Adding Values - You can add a value to the Selected Search Criteria box by clicking on a value and click the Add button.
- Removing Values - You can remove values from the Selected Search Criteria box by clicking on a value and click on the Remove button to remove. The Clear All button can be used to remove all data from the Search on this box.

Printing Transaction Search Results

The Printable View option on the menu bar can be used to print the Transaction Details of the required transactions. This option appears only on the search results page in the application.

1. In the Transaction Search Results page, navigate to the required transaction.
2. Right-click and select the Transactions View Detail option.
The Transaction Detail page displays.
3. Click the Printable View option from the menu bar.
4. Click Ok to the confirmation message displayed.
The preview window displays.
5. Click the Print button to print the details.
Or
6. Click the Close button to close the preview window.

Transaction Search Tips

Listed below are tips for improving the response time of your searches:

- Limit the scope of your query by using specific values in the Primary Search Criteria or Primary Selections fields.
- Specify as much of the PAN as possible.
- Specify as short a range as possible in the Start Date/Time and End Date/Time fields, especially when performing searches using Device ID, Issuer Recon Inst ID, or pseudo (intercept) terminals.
- Queries on more recent transactions will be quicker than queries on older data.

Note: If response time is abnormally slow, contact your Business Development Executive for assistance.

Comparing Transaction Details

When you compare two transactions, the details can be viewed in the Compare page.

Compare Transactions

Compare Transactions ✕		
	Clear All	
Field	Transaction #6 ✕	Transaction #7 ✕
PAN	999999*****1234	999999*****1235
Card Sequence Number		
Device ID	D12345	D12346
Tran Date/Time	04/04/2013 15:35:07	04/04/2013 15:35:07
Local Date/Time	04/04/2013 15:35:07	04/04/2013 15:35:07
Tran Type Identifier	0000002000-Purchase From FND	0000002000-Purchase From FND
Account Type Issuer	0000	0000
Retrieval Reference #	125829812000	125829000351
System Trace Number	004701	016873
Approval Code	343920	327885
Function Code	200	200
Authorized By	A	A
Transaction Amount	\$ 5.00	\$ 10.69
Cardholder Billing Amt	\$ 5.00	\$ 10.69
Network Recon Amount	\$ 5.00	\$ 10.69
Surcharge Amount	0	0
Acq Msg Reason	1000	1000
Name	CK5457HILSBORO100804 06	BLOCKBUSTER INC#34043
Actual Term ID	021	

To initiate this process, you must locate the two transactions that have to be compared on the Transaction Search Results page:

1. Right-click on a transaction and select the Transactions option followed by Compare this Transaction. Repeat the same for another transaction(s) that have to be compared.
2. Click the Compare link on the top of the Transaction Search Results page to view the details of the selected transactions.
The Compare page displays.
3. The first column lists all the fields and the subsequent columns display the corresponding values of the selected transaction(s).
4. If you want to remove any of the transaction(s) from the Compare page, click the "X" image in the column header. The transaction is removed.
5. If you want to remove all selected transactions from the Compare page, click the Clear All button. All transactions are removed.

Transaction Batch

You can create Acquirer and/or Issuer cases based on the user role.

1. Perform a transaction search.

The Transaction Search Results page is displayed.

Transaction Search Results

Transaction Search Results [Views](#)

Current Date Range: 12/01/2013 - 01/31/2014 [Change](#)

Set 1 | [View Next Set](#) |

View:

Standard

Export:

-- Select --

Search:

▶	Tran Activity ◊	PAN ◊	Transaction Amount ◊	Network Recon Amount ◊	Tran Type ID ◊
▶	Approval	999999*****1234	AUD 16.00	AUD 16.00	0010002000-Purchase From SAV
▶	Approval	999999*****1234	AUD 17.00	AUD 17.00	0010002000-Purchase From SAV
▶	Denial	999999*****1234	AUD 11.00	AUD 0.00	0010002000-Purchase From SAV
▶	Approval	999999*****1234	AUD 12.00	AUD 12.00	0010002000-Purchase From SAV
▶	Approval	999999*****1234	AUD 14.00	AUD 14.00	0010002000-Purchase From SAV
▶	Approval	999999*****1234	AUD 15.00	AUD 15.00	0010002000-Purchase From SAV
▶	Approval	999999*****1234	AUD 16.00	AUD 16.00	0000001000-Purchase Auth FND (M
▶	Approval	999999*****1234	AUD 17.00	AUD 17.00	0010002000-Purchase From SAV
▶	Approval	999999*****1234	AUD 13.00	AUD 13.00	0010002000-Purchase From SAV
▶	Denial	999999*****1234	AUD 11.00	AUD 0.00	0010002000-Purchase From SAV

Showing 1 to 45 of 45 entries

You have the option to change the view. You are permitted to use one of your own views or choose from one of the standard views.

2. Right click any transaction to view the menu.

Transaction Search Results - Cases Option

Transaction Search Results Views

Current Date Range: 12/01/2013 - 01/31/2014 [Change](#)

Set 1 | [View Next Set](#) |

View:

Standard

 Export:

-- Select --

Search:

Transactions >

Cases >

Devices >

View Related Cases

Create Acquirer Cases

Create Issuer Cases

Tran Activity	PAN	Transaction Amount	Network Recon Amount	Tran Type ID
Approval	999999*****1234	AUD 16.00	AUD 16.00	0010002000-Purchase From SAV
Approval	999999*****1234	AUD 17.00	AUD 17.00	0010002000-Purchase From SAV
Denial	999999*****1234	AUD 11.00	AUD 0.00	0010002000-Purchase From SAV
Approval	999999*****1234	AUD 12.00	AUD 12.00	0010002000-Purchase From SAV
Approval	999999*****1234	AUD 14.00	AUD 14.00	0010002000-Purchase From SAV
Approval	999999*****1234	AUD 15.00	AUD 15.00	0010002000-Purchase From SAV
Approval	999999*****1234	AUD 16.00	AUD 16.00	0000001000-Purchase Auth FND (M
Approval	999999*****1234	AUD 17.00	AUD 17.00	0010002000-Purchase From SAV
Approval	999999*****1234	AUD 13.00	AUD 13.00	0010002000-Purchase From SAV
Denial	999999*****1234	AUD 11.00	AUD 0.00	0010002000-Purchase From SAV

Showing 1 to 45 of 45 entries

3. Highlight Cases. The Cases menu is displayed.

Note: In the Preferences page, if the Batch Create As field has been set to Both, then the available options are Create Acquirer Cases and Create Issuer Cases.

4. Select the required option to create the batch.

Note: The view selected for processing the batch, if changed, will not change the view the user is using in transaction research.

The view selected for processing the batch, if changed, will not be held by the system for subsequent batches. (The system will always use the view in use, in the transaction search done directly in front of the batch request.)

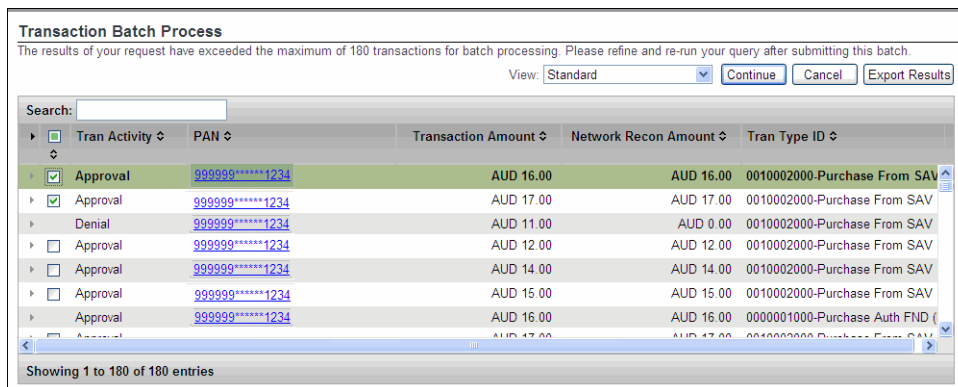
Create Acquirer Batch

To create an Acquirer Batch:

1. Navigate to the Transaction Search Results page.
2. Right-click any transaction to view the menu.
3. Highlight Cases. The Cases menu is displayed.
4. Select the Create Acquirer Cases option.

The Transaction Batch Process page is displayed.

Transaction Batch Process - Acquirer



Transaction Batch Process

The results of your request have exceeded the maximum of 180 transactions for batch processing. Please refine and re-run your query after submitting this batch.

View: Standard Continue Cancel Export Results

Search:

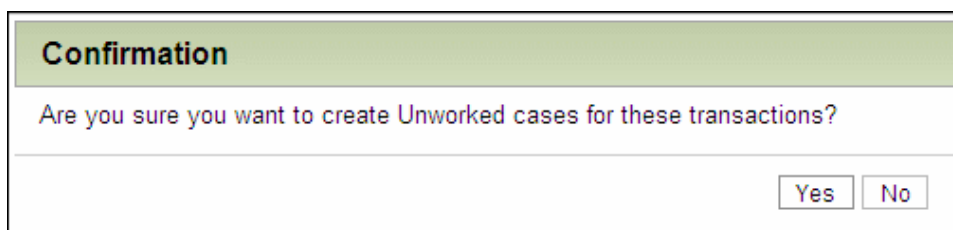
Tran Activity	PAN	Transaction Amount	Network Recon Amount	Tran Type ID
<input checked="" type="checkbox"/> Approval	999999*****1234	AUD 16.00	AUD 16.00	0010002000-Purchase From SAV
<input checked="" type="checkbox"/> Approval	999999*****1234	AUD 17.00	AUD 17.00	0010002000-Purchase From SAV
<input type="checkbox"/> Denial	999999*****1234	AUD 11.00	AUD 0.00	0010002000-Purchase From SAV
<input type="checkbox"/> Approval	999999*****1234	AUD 12.00	AUD 12.00	0010002000-Purchase From SAV
<input type="checkbox"/> Approval	999999*****1234	AUD 14.00	AUD 14.00	0010002000-Purchase From SAV
<input type="checkbox"/> Approval	999999*****1234	AUD 15.00	AUD 15.00	0010002000-Purchase From SAV
<input type="checkbox"/> Approval	999999*****1234	AUD 16.00	AUD 16.00	0000001000-Purchase Auth FND
<input type="checkbox"/> Approval	999999*****1234	AUD 17.00	AUD 17.00	0010002000-Purchase From SAV

Showing 1 to 180 of 180 entries

5. Select the checkbox next to the required transactions that are to be included in the batch.
6. Click the Continue button.

A confirmation prompt is displayed.

Confirmation Prompt



Confirmation

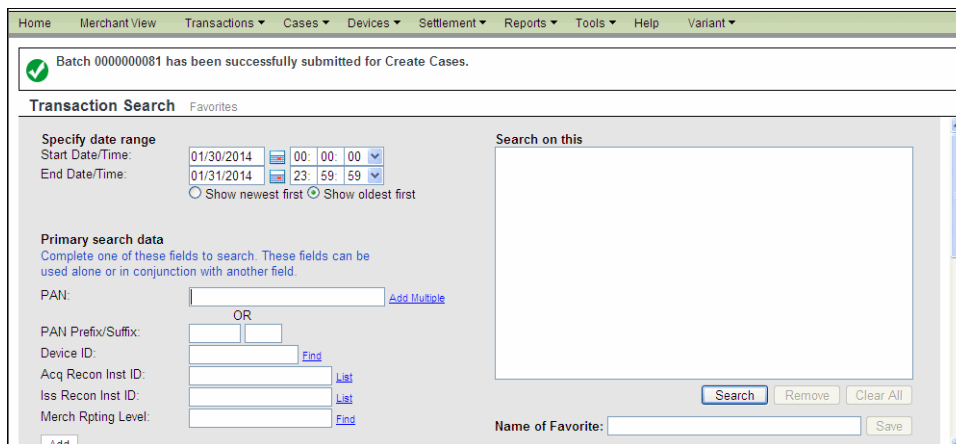
Are you sure you want to create Unworked cases for these transactions?

Yes No

7. Click the Yes button to confirm the creation of Unworked cases for the selected transactions.
- The control returns to the Transaction Search page and a confirmation message displays below the main menu.

Note: If you click the No button the control returns to the Transaction Batch Process page.

Batch Creation Confirmation Message



Home Merchant View Transactions Cases Devices Settlement Reports Tools Help Variant

Batch 0000000081 has been successfully submitted for Create Cases.

Transaction Search Favorites

Specify date range
 Start Date/Time: 01/30/2014 00:00:00
 End Date/Time: 01/31/2014 23:59:59
☐ Show newest first ☒ Show oldest first

Search on this

Primary search data
 Complete one of these fields to search. These fields can be used alone or in conjunction with another field.

PAN: [Add Multiple](#)

OR

PAN Prefix/Suffix:

Device ID: [Find](#)

Acq Recon Inst ID: [List](#)

Iss Recon Inst ID: [List](#)

Merch Rptng Level: [Find](#)

[Add](#)

[Search](#) [Remove](#) [Clear All](#)

Name of Favorite: [Save](#)

Create Issuer Batch

To create an Issuer Batch:

1. Navigate to the Transaction Search Results page.
2. Right-click any transaction to view the menu.
3. Highlight Cases. The Cases menu is displayed.
4. Select the Create Issuer Cases option.

The transaction search results are re-filtered based on the PAN of the selected transaction. This only applies to the Issuer batch. The Transaction Batch Process page is displayed.

Transaction Batch Process - Issuer

Transaction Batch Process

The results of your request have exceeded the maximum of 180 transactions for batch processing. Please refine and re-run your query after submitting this batch.

View: ATM Research

Begin Exception Process

Cancel

Export Results

Search:

<input type="checkbox"/>	PAN	Tran Activity	Network Recon Amount	Local Date/Time	Action Code	Acq Netw ID	Iss Netw ID	Device ID	Card Acpt Name
<input checked="" type="checkbox"/>	999999*****1234	Approval	AUD 16.00	12/05/2013 00:01:41	000-Approved	PUL	D12345	JB Hi-Fi TV's & DVD 12	
<input checked="" type="checkbox"/>	999999*****1234	Approval	AUD 17.00	12/05/2013 00:02:02	000-Approved	PUL	D12345	Medicare Benefit	
<input type="checkbox"/>	999999*****1234	Denial	AUD 0.00	12/05/2013 00:28:33	919-Encryption Key Syn	PUL	D12345	JB Hi-Fi TV's & DVD	
<input type="checkbox"/>	999999*****1234	Approval	AUD 12.00	12/05/2013 00:30:45	000-Approved	PUL	D12345	JB Hi-Fi	
<input type="checkbox"/>	999999*****1234	Approval	AUD 14.00	12/05/2013 00:41:07	000-Approved	PUL	D12345	JB Hi-Fi TV's & DVD	
<input type="checkbox"/>	999999*****1234	Approval	AUD 15.00	12/05/2013 00:41:29	000-Approved	PUL	D12345	JB Hi-Fi	
<input type="checkbox"/>	999999*****1234	Approval	AUD 16.00	12/05/2013 00:41:46	000-Approved	PUL	D12345	JB Hi-Fi TV's & DVD 12	

Showing 1 to 180 of 180 entries

5. Select the checkbox next to the required transactions that are to be included in the batch.
6. Click the Begin Exception Process button.

The Batch Creation - Cardholder Information screen is displayed.

Batch Creation - Cardholder Info

7. Update the cardholder information.
8. Click **Update Cardholder** button.
A confirmation message is displayed.
9. Click **Choose Dispute Template** button.
The Batch Creation Choose Dispute screen is displayed.

Batch Creation - Choose Dispute Type

10. Select the **Dispute Type** and **Case Group** from the drop-down list.
11. Click the **Complete Form** button.
12. Click the Yes button to confirm the creation of Unworked cases for the selected transactions.

Batch Creation Confirmation Message

Viewing the Batch Status

You can check the status of a batch on the Batch Status page. The Batch Search results page displays the batches for the user for the past 5 days. You can change the date range as well as to view the batch status for another user by changing the User ID. The batch listing can be exported.

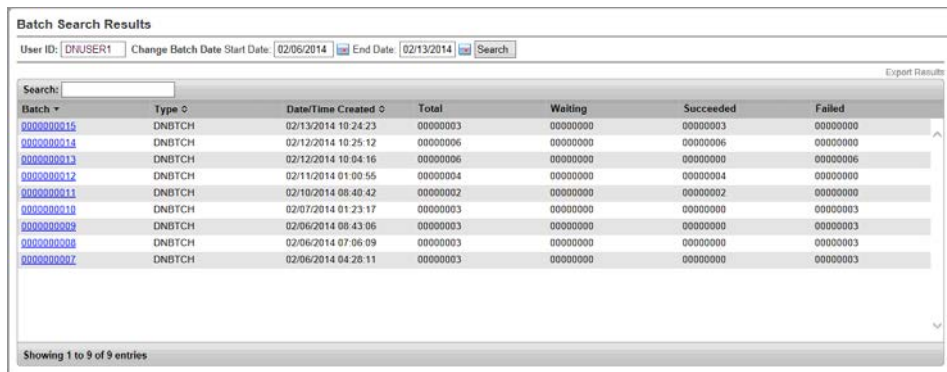
Viewing a Batch Status

To view a batch status:

1. Select Batch Status from the Transactions menu.

The Batch Search Results page is displayed with your User ID and the last five days in the date range.

Batch Search Results



Batch	Type	Date/Time Created	Total	Waiting	Succeeded	Failed
0000000016	DNBTCH	02/13/2014 10:24:23	00000003	00000000	00000003	00000000
0000000014	DNBTCH	02/12/2014 10:25:12	00000006	00000000	00000006	00000000
0000000013	DNBTCH	02/12/2014 10:04:16	00000006	00000000	00000000	00000006
0000000012	DNBTCH	02/11/2014 01:00:55	00000004	00000000	00000004	00000000
0000000011	DNBTCH	02/10/2014 08:40:42	00000002	00000000	00000002	00000000
0000000010	DNBTCH	02/07/2014 01:23:17	00000003	00000000	00000000	00000003
0000000009	DNBTCH	02/06/2014 08:43:06	00000003	00000000	00000000	00000003
0000000008	DNBTCH	02/06/2014 07:06:09	00000003	00000000	00000000	00000003
0000000007	DNBTCH	02/06/2014 04:28:11	00000003	00000000	00000000	00000003

Showing 1 to 9 of 9 entries

2. Change the ID as required.
3. Change the Start Date or End Date as required.
4. Click the Search button.

The Batch Search results are displayed. This page shows the total number of cases in the batch as well as the overall status of those cases.

5. Click the batch number to see the status of each case in the batch, or right-click the batch number and select the View Batch Detail option.

The Batch Detail page is displayed.

Batch Detail

Batch Detail Back to Batch Search Results			
Batch: 0000000015 Type: Cases Date/Time: 02/13/2014 10:24:23			
Search: <input type="text"/>			
Item ^	State ↕	Case Number ↕	Results ↕
000000001	Completed	201402130000001	CASE CREATED: 201402130000001
000000002	Completed	201402130000002	CASE CREATED: 201402130000002
000000003	Completed	201402130000003	CASE CREATED: 201402130000003
Showing 1 to 3 of 3 entries			

- View the status of each case in the Results column.

Status	Description
Case Updated	The case was created successfully. The case updated status is followed by the case batch number.
Failed	The case was not created. The Failed status is followed the error message.
Working	The case batch is still being processed.
Re-trying	The case batch was not successful the first time and is being re-tried.

- Click the required case number to view the case detail page.

Sample Case Detail Page

Case Detail - Visa * required entries

Case #: 20140213000001 PAN: 999999777771230 Tran Local Date/Time: 11/06/2013 17:35:37 Tran Amount: \$ 140.00

Other related pages: [Phase History](#) [Transaction Detail](#) DNUSER1 [Switch to View Mode](#)

Create Fee Case Update Case Check My Data

Case Information	Transaction History	Transaction Entities	Visa	Contact Information	Cardholder Information	Authorization/Response	Documentation	Dispute Information	Enter Comment
Case #:	20140213000001	Date/Time Added:	02/13/2014 10:25:11						
PAN:	999999777771230	Institution Name:	Institution 1						
Tran Local Date/Time:	11/06/2013 17:35:37	Tran Amount:	\$ 140.00						
Stage Exp Date:	(blank)	Case Group:	Select a Group						

Current Phase

All Reason Codes: ☐ Yes ☐ No

Case Stage: **Unworked Acquirer Case** Action to Issuer: ☒ Debit ☐ Credit ☐ N/A

Next Available Stage: **Unworked Acquirer Case** Action to Acquirer: ☐ Debit ☒ Credit ☐ N/A

Adjustment Information

Settlement Adj Amount:	\$ 141.50	Settlement Adj Currency:	840 - U.S. Dollar
Adj Surcharge Amount:	0	Adj Surcharge Currency:	840 - U.S. Dollar
Adj Transaction Amount:	\$ 140.00	Adj Transaction Currency:	840 - U.S. Dollar
Exception Settlement Date:		Priority:	0 - Not Assigned

Note: Refer to the Batch Processing section in the DataNavigator® Batch Processing Manual for more information.

Deleting a Batch

The Delete Batch functionality is displayed based on the security access of the user. To delete a batch:

1. Navigate to the Batch Search Results page.
2. Right-click the required batch number to view the menu options.

Delete Batch

Batch Search Results

User ID: DNUSER1 Change Batch Date Start Date: 01/24/2014 End Date: 01/31/2014 Search

Search: Export Results

Batch	Date/Time Created	Total	Waiting	Succeeded	Failed
0000000001	01/31/2014 04:41:05	00000002	00000002	00000000	00000000
0000000082	01/31/2014 04:29:56	00000003	00000003	00000000	00000000
0000000081	01/31/2014 03:49:47	00000002	00000002	00000000	00000000
0000000080	01/30/2014 00:45:17	00000001	00000000	00000001	00000000
0000000079	01/30/2014 00:15:42	00000001	00000000	00000000	00000001

Showing 1 to 5 of 5 entries

3. Click the Delete Batch option.
A confirmation prompt is displayed.

Delete Batch Confirmation Prompt

Confirmation	
Are you sure you want to delete the batch?	
<div>Yes</div> <div>No</div>	

- Click the Yes button to confirm the deletion of the batch.

Viewing the Research List

You can view the list of transactions that are added to the research list in the Transaction Search Result screen. The Research List page displays the list of transactions for research. You can delete or search for particular transaction in the list.

Research List Screen

Research List						
Delete: <input type="button" value="Delete"/>						
Search: <input type="text"/>						
<input type="checkbox"/> PAN	Tran Activity	Network Recon Amount	Local Date/Time	Acq Network ID	Iss Network ID	
<input type="checkbox"/> 999999*****1238	Approval	\$ 10.69	04/04/2013 03:35:07 PM	AFC	SRF	
<input type="checkbox"/> 999999*****1234	Approval	\$ 7.63	04/04/2013 03:35:09 PM	AFC	SRF	
<input type="checkbox"/> 999999*****1235	Approval	\$ 52.85	04/04/2013 03:35:13 PM	AFC	SRF	
<input type="checkbox"/> 999999*****1236	Approval	\$ 6.36	04/04/2013 03:35:11 PM	AFC	SRF	
Showing 1 to 4 of 4 entries						

Note: The listed transactions in this screen are displayed until the session is closed.

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