Debit Card Fraud Finder

DBCFraudFinder.DNAx
23ae7f61-0a3b-422c-98a0-a127a3b312c2

http://www.fiserv.com

Overview:
The Debit Card Fraud Finder DNAapp is designed so Financial Institution EFT team members can quickly research a reported fraudulent card use or breach for one or many cards, and not only identify where else the card or cards were used, but also to check if other cards in the portfolio were used at the same merchant locations.

The Financial Institution can also “flag” the merchants and cards in question by marking them in the DNA database. This does not stop transactions, but allows the Financial Institution to more easily monitor any card portfolio transactions at those merchant locations and also better monitor any of their compromised cards in a “group” as desired.

Key Benefits:
This app can help you identify, track and manage real and potential debit card fraud, reducing fraud losses and the cost of card replacement.

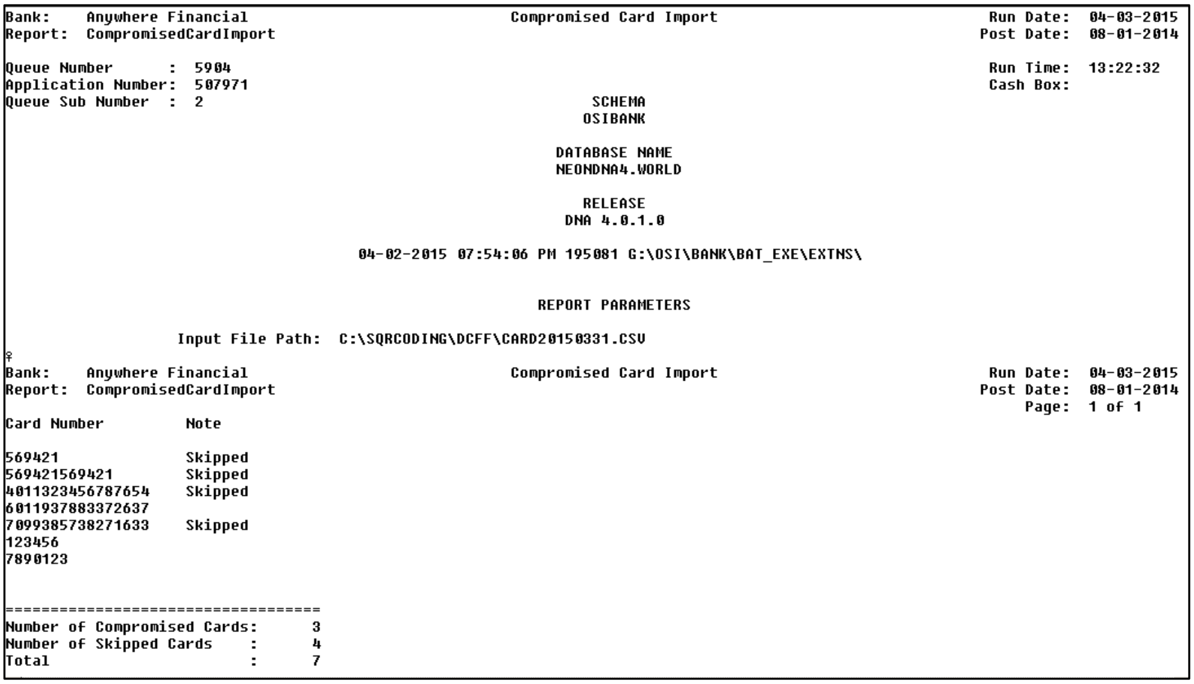
The Debit Card Fraud Finder application provides the Financial Institution with flexible setup, review, risk management, and fraud savings possibilities, which include:

- Being able to review and “work” issues within DNA, without having to go to the card/switch system (separate system), which is a common complaint from users.
- The ability to load a card or group of cards (card file) into the DNA database for review.
- View key card transaction data for one or many cards on a single screen (vs. going to each card and looking at card history).
- Date ranges for online queries.
- Functionality to flag a card or group of cards so they can be quickly queried and monitored.
- Functionality to flag a merchant so transactions associated with that merchant location can be quickly queried and monitored.
- Functionality to add remarks to each of the flag situations.
- Reporting capability for the above situations.
- Full activity audit trail and reporting capabilities.
- Built-in standard authorization security for both inquiry-only and updating capability.
- Purging data capabilities to ensure database performance is optimized.

Processing:
The Debit Card Fraud Finder application is designed for Financial Institutions to easily monitor and flag their card transactions by card number or merchant name.

To gain access to the Debit Card Fraud Finder application, the User must be granted the ‘TXIN -Transaction Inquiry’ Authorization Item to query card transactions in accordance with the custom Debit Card Fraud Finder application screens.

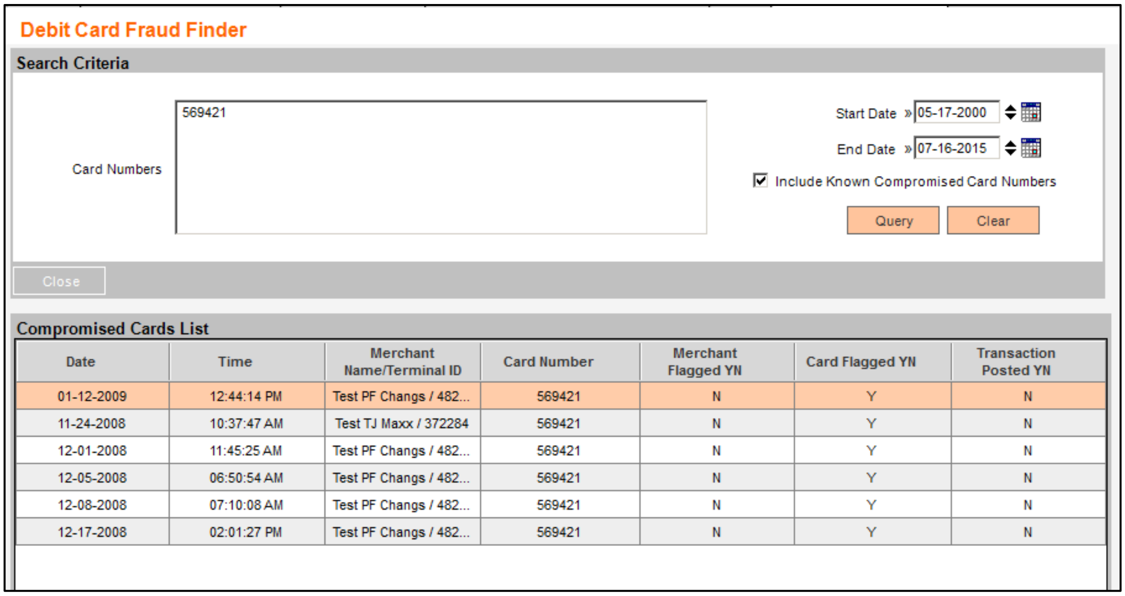
The User can import card numbers to be flagged as compromised cards by using the ‘CompromisedCardImport - Compromised Card Import’ application. The import file must be in a CSV format with only one column (card number) to be flagged and no header line should be included in the file. Also the application will skip a card number in the import file that has already been recorded in the system.



```
Bank:    Anywhere Financial                             Compromised Card Import                              Run Date:  04-03-2015
Report:  CompromisedCardImport                                                                              Post Date:  08-01-2014

Queue Number      :  5904                                                                                    Run Time:  13:22:32
Application Number:  507971                                                                                  Cash Box:
Queue Sub Number  :  2                                           SCHEMA
                                                                OSIBANK

                                                             DATABASE NAME
                                                             NEONDNA4.WORLD

                                                                RELEASE
                                                              DNA 4.0.1.0

                                       04-02-2015 07:54:06 PM 195081 G:\OSI\BANK\BAT_EXE\EXTNS\


                                                           REPORT PARAMETERS

                   Input File Path:  C:\SQRCODING\DCFF\CARD20150331.CSV
♀
Bank:    Anywhere Financial                             Compromised Card Import                              Run Date:  04-03-2015
Report:  CompromisedCardImport                                                                              Post Date:  08-01-2014
                                                                                                                 Page:  1 of 1
Card Number         Note

569421              Skipped
569421569421        Skipped
4011323456787654    Skipped
6011937883372637
7099385738271633    Skipped
123456
7890123


===================================
Number of Compromised Cards:      3
Number of Skipped Cards    :      4
Total                      :      7
```

Based on the compromised card numbers imported by the ‘CompromisedCardImport - Compromised Card Import’ application, these card numbers can be used in the Debit Card Fraud Finder screen that allows the User to search card transactions occurred during the decided time frame of Start Date and End Date fields appeared on the screen. The screen also allows the User to input the suspected card numbers manually in the Card Numbers field with a comma separated list, blanks between card records, or with card numbers entered in on separate lines.

To use the compromised card numbers imported by the ‘CompromisedCardImport - Compromised Card Import’ application, the User will need to check ON the Include Known Compromised Card Numbers indicator otherwise check OFF when not used.



Debit Card Fraud Finder

Search Criteria

Card Numbers: 569421

Start Date » 05-17-2000

End Date » 07-16-2015

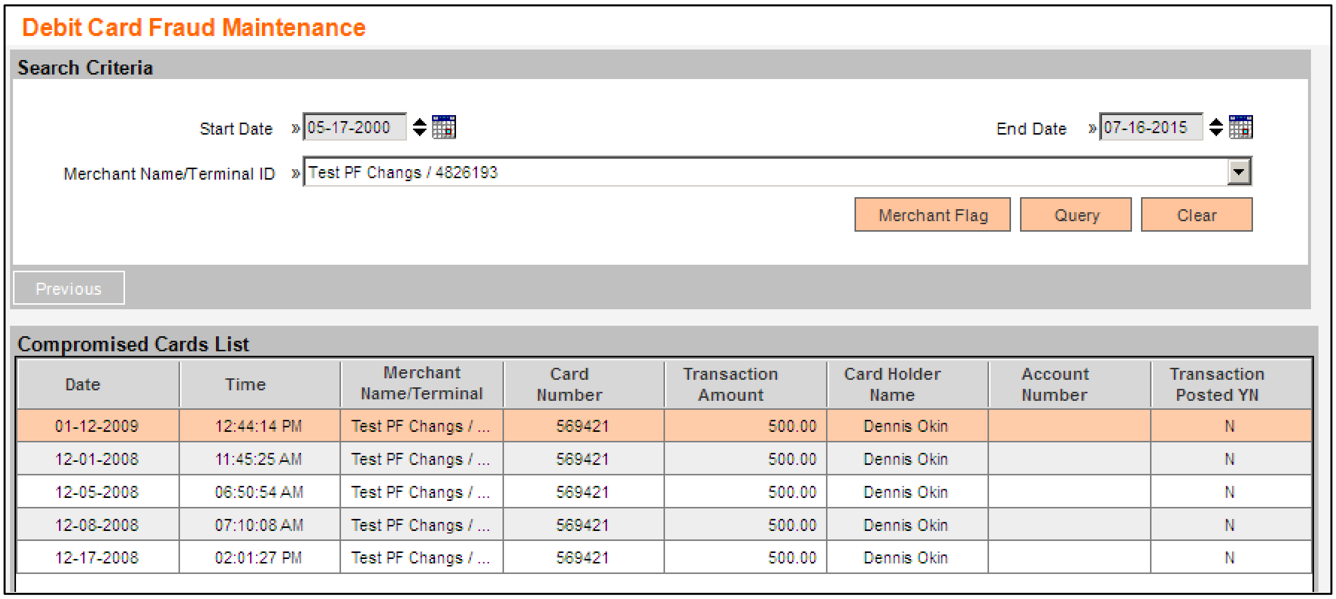
☑ Include Known Compromised Card Numbers

Compromised Cards List

Date	Time	Merchant Name/Terminal ID	Card Number	Merchant Flagged YN	Card Flagged YN	Transaction Posted YN
01-12-2009	12:44:14 PM	Test PF Changs / 482...	569421	N	Y	N
11-24-2008	10:37:47 AM	Test TJ Maxx / 372284	569421	N	Y	N
12-01-2008	11:45:25 AM	Test PF Changs / 482...	569421	N	Y	N
12-05-2008	06:50:54 AM	Test PF Changs / 482...	569421	N	Y	N
12-08-2008	07:10:08 AM	Test PF Changs / 482...	569421	N	Y	N
12-17-2008	02:01:27 PM	Test PF Changs / 482...	569421	N	Y	N

The Compromised Cards List data grid displays the search result of card transactions according to the Search Criteria provided above the data grid. The User is allowed to flag a Card Number in a record displaying in the data grid as a Compromised Card by clicking the Card Flag button.

The User may click the Next button to display the Debit Card Fraud Maintenance screen to filter card transactions according to the provided Start Date and End Date on the Debit Card Fraud Finder screen.



Debit Card Fraud Maintenance

Search Criteria

Start Date » 05-17-2000

End Date » 07-16-2015

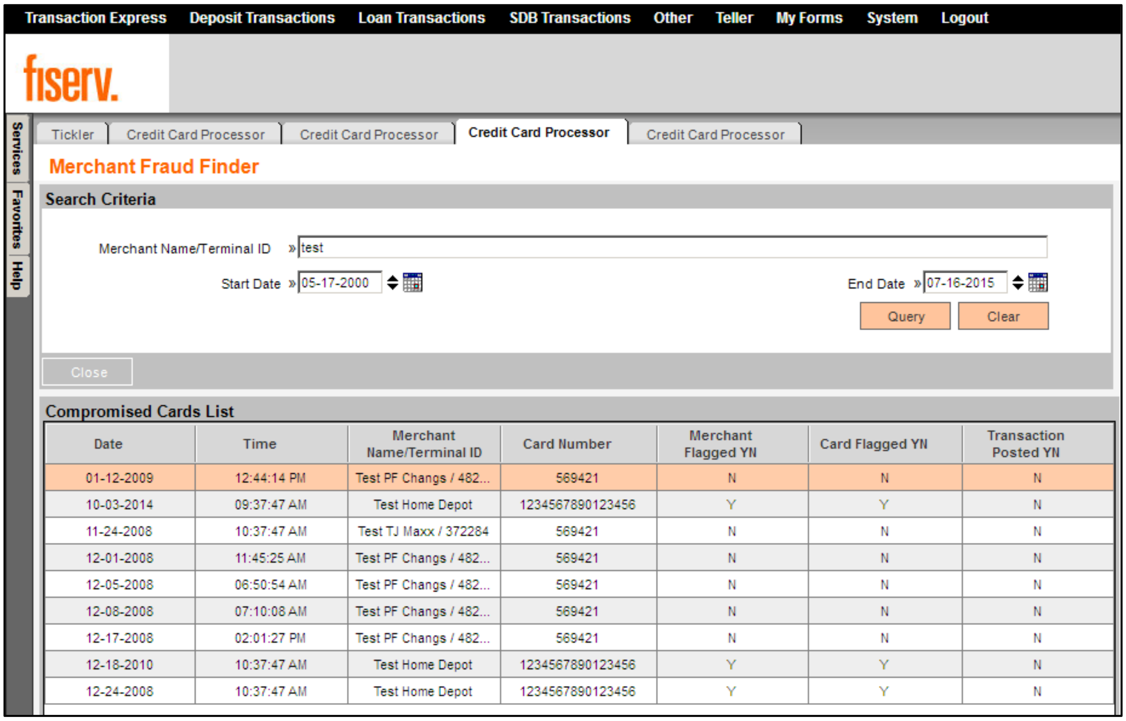
Merchant Name/Terminal ID » Test PF Changs / 4826193

Compromised Cards List

Date	Time	Merchant Name/Terminal	Card Number	Transaction Amount	Card Holder Name	Account Number	Transaction Posted YN
01-12-2009	12:44:14 PM	Test PF Changs / ...	569421	500.00	Dennis Okin		N
12-01-2008	11:45:25 AM	Test PF Changs / ...	569421	500.00	Dennis Okin		N
12-05-2008	06:50:54 AM	Test PF Changs / ...	569421	500.00	Dennis Okin		N
12-08-2008	07:10:08 AM	Test PF Changs / ...	569421	500.00	Dennis Okin		N
12-17-2008	02:01:27 PM	Test PF Changs / ...	569421	500.00	Dennis Okin		N

The Debit Card Fraud Maintenance screen will display all Merchant Names/Terminal IDs that are related to card transactions that occurred during the time frame derived from the previous screen (the Debit Card Fraud Finder screen) in the Merchant Name/Terminal ID dropdown list. The screen allows the User to search card transactions during the time frame by selecting a Merchant Name/Terminal ID from the dropdown list then clicking the Query button.

Another method to track possible fraudulent activity is to monitor transactions by Merchant Name instead of by Card Number this can be accomplished by using the Merchant Fraud Finder screen. The User has the capability to search for a Merchant using a wild card search to view all Terminal IDs for the given Merchant. The search results display the card transactions that took place at the given Merchant/Terminal ID depending on the search criteria within the date range entered by the User.



Merchant Fraud Finder

Search Criteria

Merchant Name/Terminal ID » test

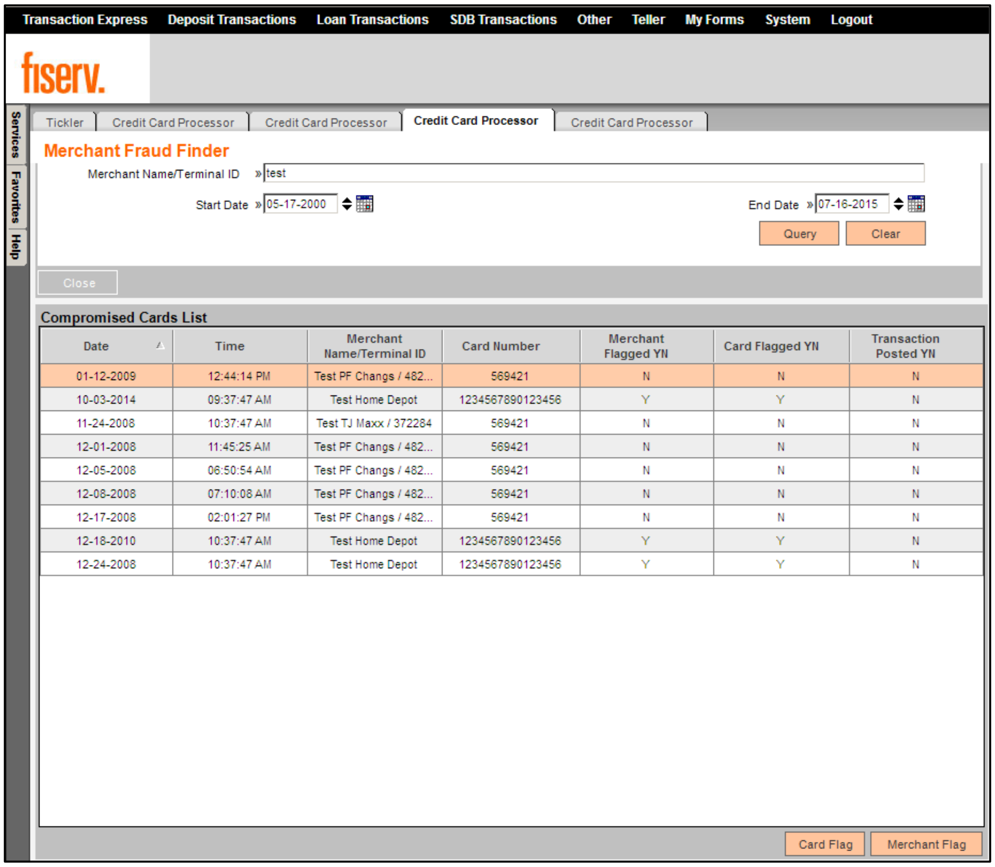
Start Date » 05-17-2000

End Date » 07-16-2015

Compromised Cards List

Date	Time	Merchant Name/Terminal ID	Card Number	Merchant Flagged YN	Card Flagged YN	Transaction Posted YN
01-12-2009	12:44:14 PM	Test PF Changs / 482...	569421	N	N	N
10-03-2014	09:37:47 AM	Test Home Depot	1234567890123456	Y	Y	N
11-24-2008	10:37:47 AM	Test TJ Maxx / 372284	569421	N	N	N
12-01-2008	11:45:25 AM	Test PF Changs / 482...	569421	N	N	N
12-05-2008	06:50:54 AM	Test PF Changs / 482...	569421	N	N	N
12-08-2008	07:10:08 AM	Test PF Changs / 482...	569421	N	N	N
12-17-2008	02:01:27 PM	Test PF Changs / 482...	569421	N	N	N
12-18-2010	10:37:47 AM	Test Home Depot	1234567890123456	Y	Y	N
12-24-2008	10:37:47 AM	Test Home Depot	1234567890123456	Y	Y	N

From the Merchant Fraud Finder screen the User has the capability to flag both a Card and a Merchant. If the Card or Merchant is currently flagged the button will not display.



Merchant Fraud Finder

Merchant Name/Terminal ID » test

Start Date » 05-17-2000

End Date » 07-16-2015

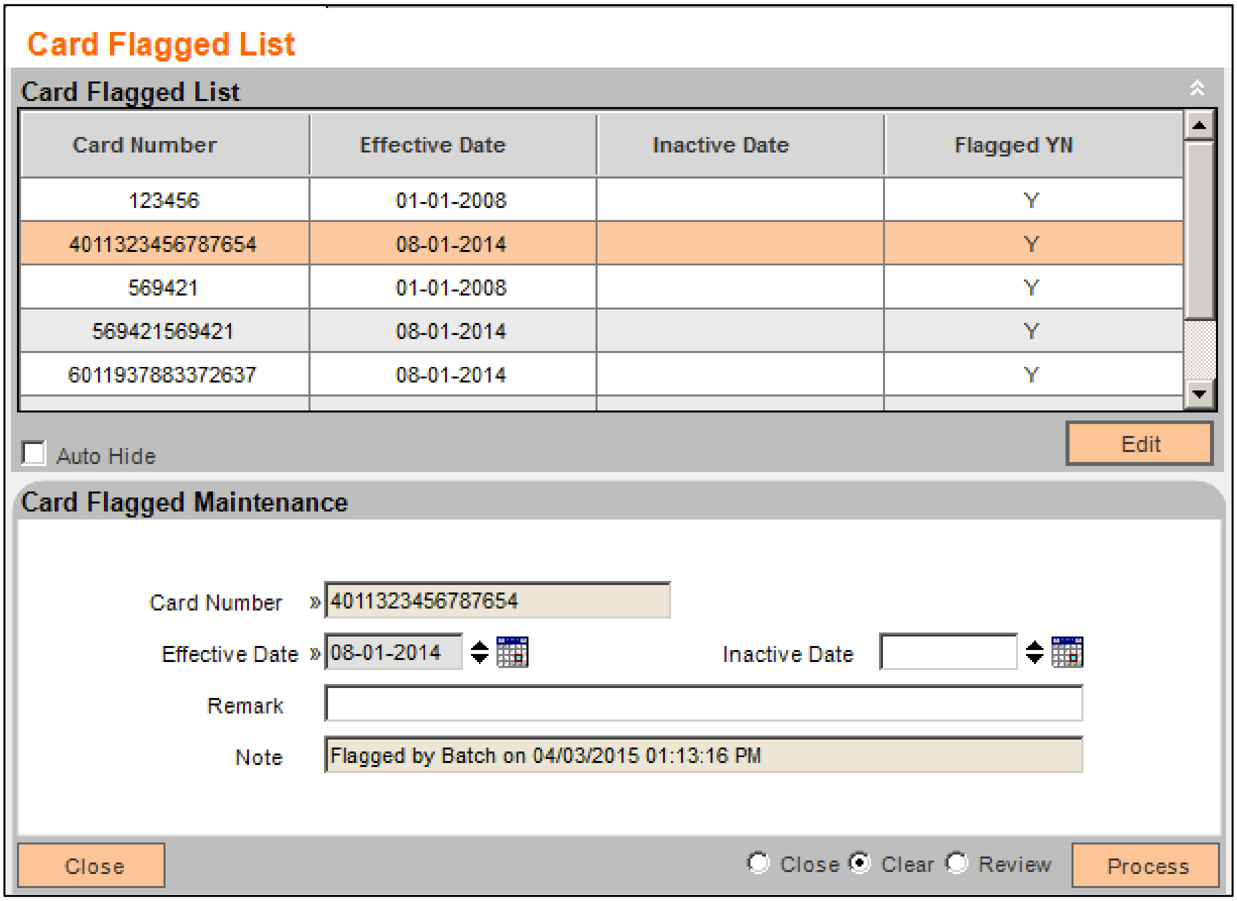
Compromised Cards List

Date	Time	Merchant Name/Terminal ID	Card Number	Merchant Flagged YN	Card Flagged YN	Transaction Posted YN
01-12-2009	12:44:14 PM	Test PF Changs / 482...	569421	N	N	N
10-03-2014	09:37:47 AM	Test Home Depot	1234567890123456	Y	Y	N
11-24-2008	10:37:47 AM	Test TJ Maxx / 372284	569421	N	N	N
12-01-2008	11:45:25 AM	Test PF Changs / 482...	569421	N	N	N
12-05-2008	06:50:54 AM	Test PF Changs / 482...	569421	N	N	N
12-08-2008	07:10:08 AM	Test PF Changs / 482...	569421	N	N	N
12-17-2008	02:01:27 PM	Test PF Changs / 482...	569421	N	N	N
12-18-2010	10:37:47 AM	Test Home Depot	1234567890123456	Y	Y	N
12-24-2008	10:37:47 AM	Test Home Depot	1234567890123456	Y	Y	N

It also allows the User to flag a merchant to be flagged as a compromised merchant by selecting a Merchant Name/Terminal ID displayed in the Merchant Name/Terminal ID dropdown list and then clicking the Merchant Flag button.

The User may click the Previous button to go back to the Debit Card Fraud Finder screen.

The User is allowed to make inactive or update a remark of a compromised card via the Card Flagged List screen.



Card Flagged List

Card Flagged List

Card Number	Effective Date	Inactive Date	Flagged YN
123456	01-01-2008		Y
4011323456787654	08-01-2014		Y
569421	01-01-2008		Y
569421569421	08-01-2014		Y
6011937883372637	08-01-2014		Y

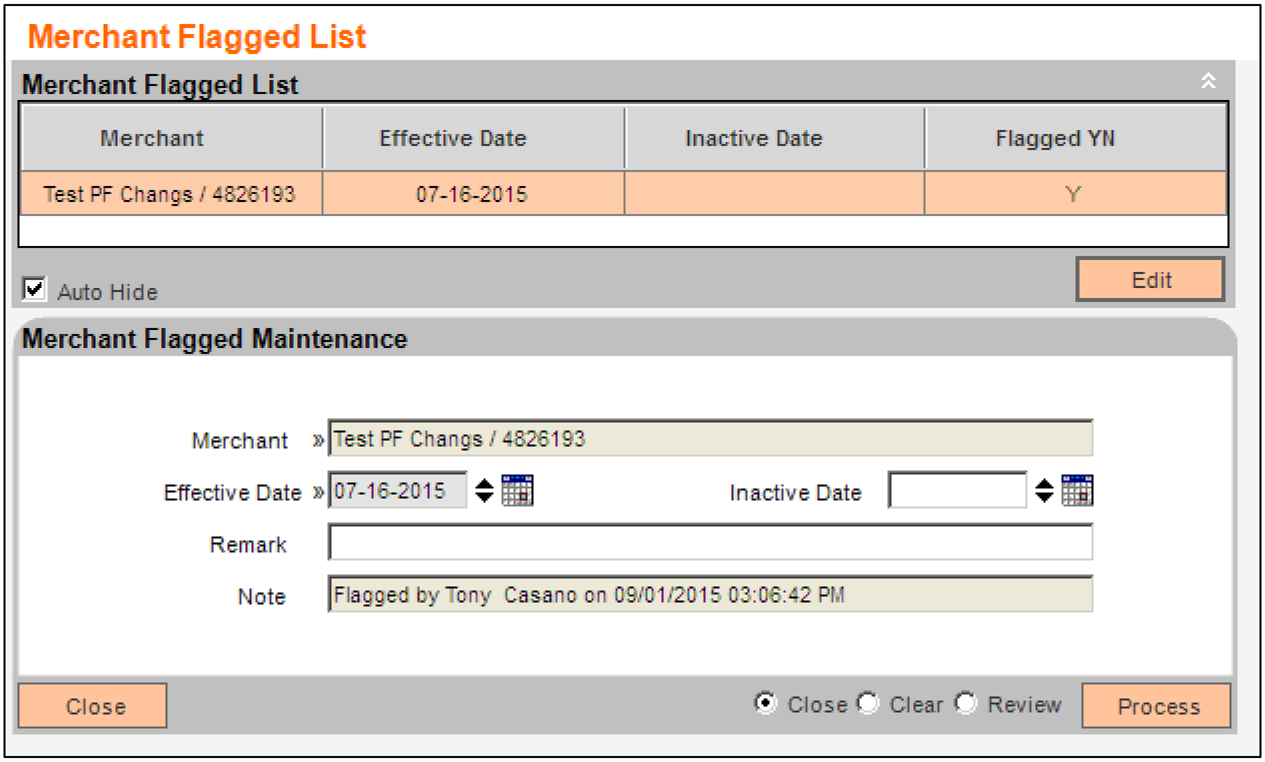
☐ Auto Hide

Card Flagged Maintenance

Card Number »	4011323456787654
Effective Date »	08-01-2014
Inactive Date	
Remark	
Note	Flagged by Batch on 04/03/2015 01:13:16 PM

○ Close ● Clear ○ Review

Additionally, the User is allowed to make inactive or update a remark of a compromised merchant via the Merchant Flagged List screen.



Merchant Flagged List

Merchant Flagged List

Merchant	Effective Date	Inactive Date	Flagged YN
Test PF Changs / 4826193	07-16-2015		Y

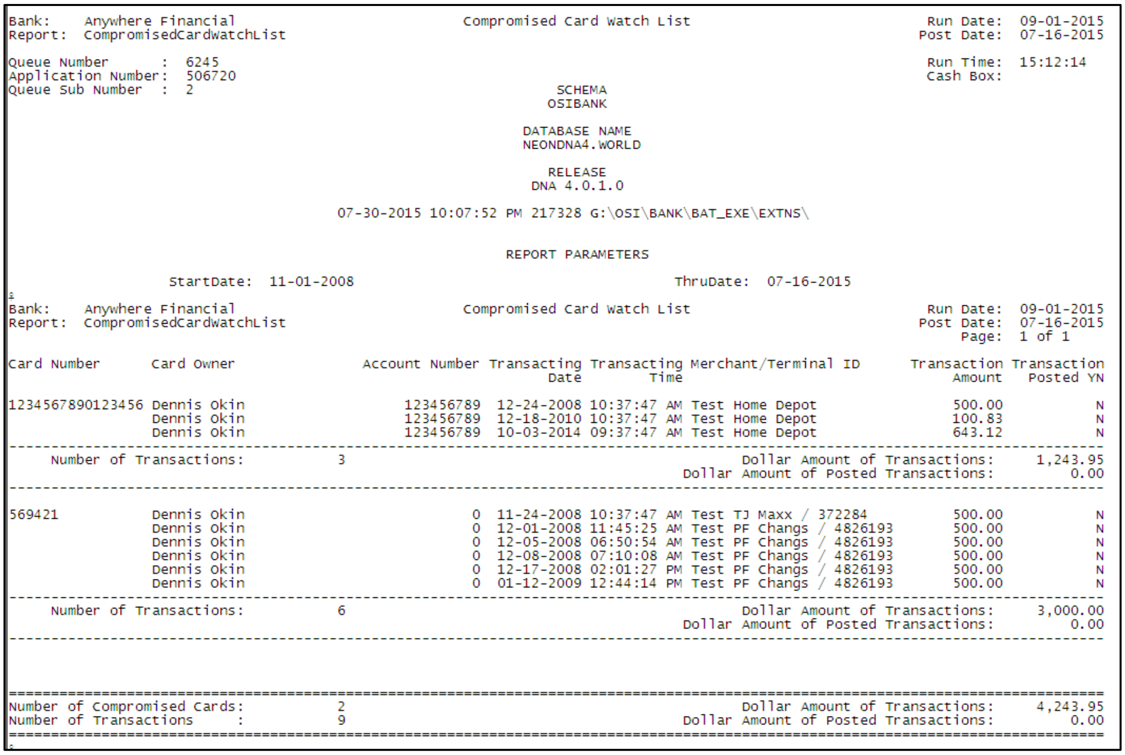
☑ Auto Hide

Merchant Flagged Maintenance

Merchant »	Test PF Changs / 4826193		
Effective Date »	07-16-2015	Inactive Date	
Remark			
Note	Flagged by Tony Casano on 09/01/2015 03:06:42 PM		

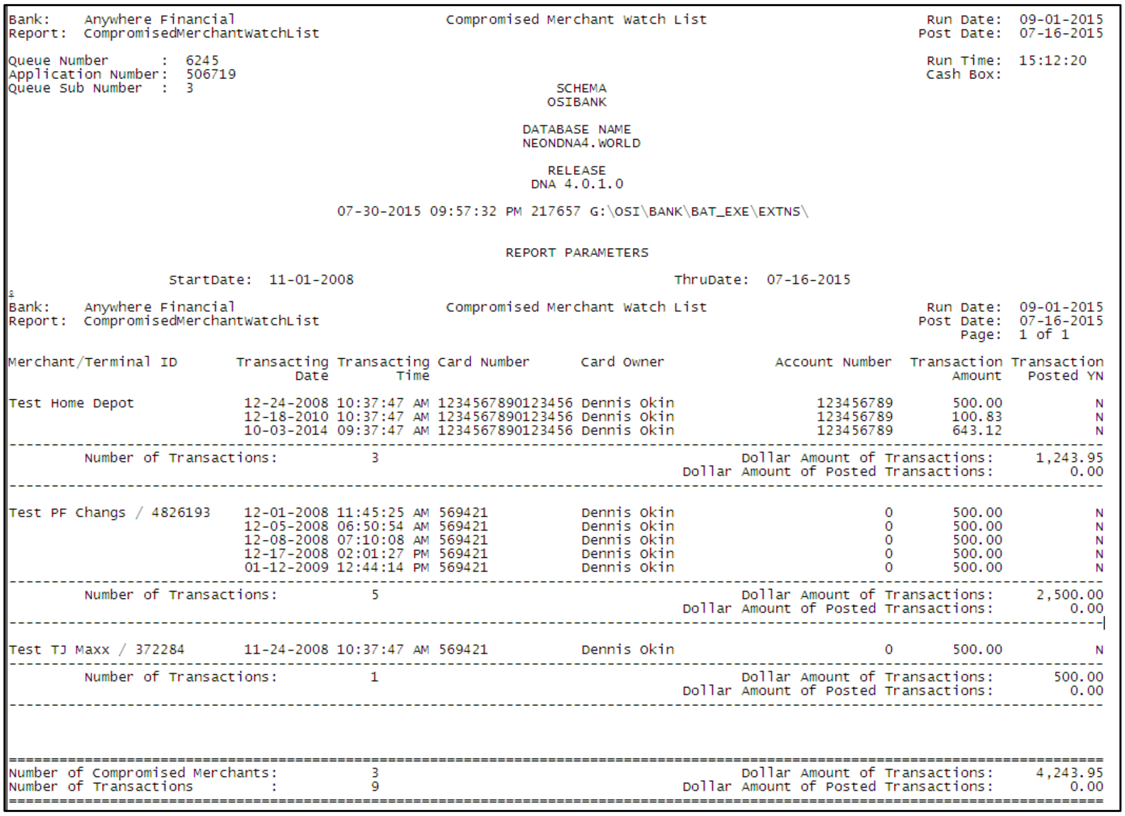
The Debit Card Fraud Finder application also provides two application reports for the Financial Institution to monitor the card transactions that occurred with the compromised cards or compromised merchants recorded in the system.

To produce the first report, the User will execute the ‘CompromisedCardWatchList – Compromised Card Watch List’ application to list all card transactions that occurred between the Start Date and Thru Date parameters which have card numbers of the card transactions that were flagged in the system as compromised cards.



```
Bank:    Anywhere Financial                           Compromised Card Watch List                            Run Date:  09-01-2015
Report:  CompromisedCardWatchList                                                                           Post Date:  07-16-2015

Queue Number      :  6245                                                                                    Run Time:  15:12:14
Application Number:  506720                                                                                  Cash Box:
Queue Sub Number  :  2                                                SCHEMA
                                                                OSIBANK

                                                             DATABASE NAME
                                                             NEONDNA4.WORLD

                                                                RELEASE
                                                              DNA 4.0.1.0

                                       07-30-2015 10:07:52 PM 217328 G:\OSI\BANK\BAT_EXE\EXTNS\


                                                           REPORT PARAMETERS

                   StartDate:  11-01-2008                                      ThruDate:  07-16-2015

Bank:    Anywhere Financial                           Compromised Card Watch List                            Run Date:  09-01-2015
Report:  CompromisedCardWatchList                                                                           Post Date:  07-16-2015
                                                                                                                Page:  1 of 1

Card Number      Card Owner               Account Number Transacting Transacting Merchant/Terminal ID     Transaction Transaction
                                                                Date        Time                                Amount   Posted YN

1234567890123456 Dennis Okin                   123456789  12-24-2008 10:37:47 AM Test Home Depot                500.00          N
                 Dennis Okin                   123456789  12-18-2010 10:37:47 AM Test Home Depot                100.83          N
                 Dennis Okin                   123456789  10-03-2014 09:37:47 AM Test Home Depot                643.12          N
----------------------------------------------------------------------------------------------------------------------------------
     Number of Transactions:          3                                               Dollar Amount of Transactions:     1,243.95
                                                                                Dollar Amount of Posted Transactions:         0.00
----------------------------------------------------------------------------------------------------------------------------------

569421           Dennis Okin                           0  11-24-2008 10:37:47 AM Test TJ Maxx / 372284          500.00          N
                 Dennis Okin                           0  12-01-2008 11:45:25 AM Test PF Changs / 4826193       500.00          N
                 Dennis Okin                           0  12-05-2008 06:50:54 AM Test PF Changs / 4826193       500.00          N
                 Dennis Okin                           0  12-08-2008 07:10:08 AM Test PF Changs / 4826193       500.00          N
                 Dennis Okin                           0  12-17-2008 02:01:27 PM Test PF Changs / 4826193       500.00          N
                 Dennis Okin                           0  01-12-2009 12:44:14 PM Test PF Changs / 4826193       500.00          N
----------------------------------------------------------------------------------------------------------------------------------
     Number of Transactions:          6                                               Dollar Amount of Transactions:     3,000.00
                                                                                Dollar Amount of Posted Transactions:         0.00
----------------------------------------------------------------------------------------------------------------------------------



==================================================================================================================================
Number of Compromised Cards:          2                                               Dollar Amount of Transactions:     4,243.95
Number of Transactions     :          9                                         Dollar Amount of Posted Transactions:         0.00
==================================================================================================================================
```

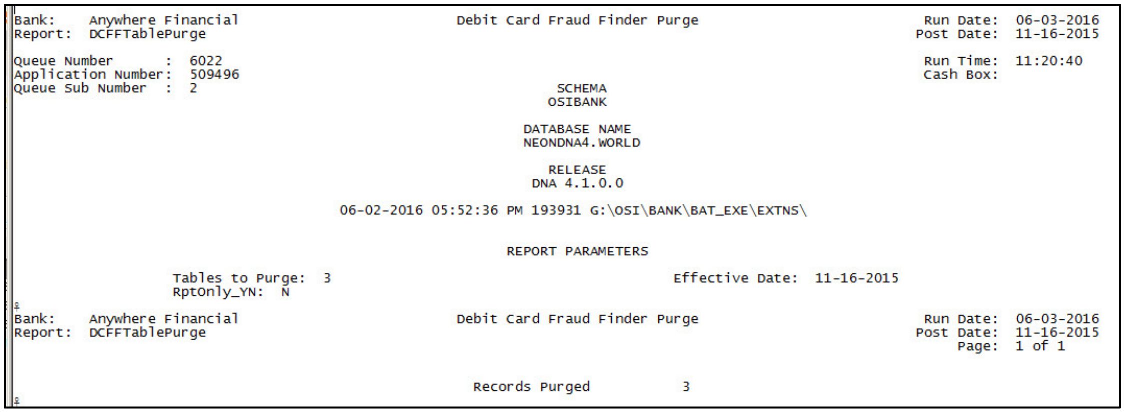
To produce the second report, the User will execute the ‘CompromisedMerchantWatchList – Compromised Merchant Watch List’ application to list all card transactions that occurred between the Start Date and Thru Date parameters which have Merchant Names/Terminal IDs of the card transactions which were flagged in the system as compromised merchants.



```
Bank:    Anywhere Financial                         Compromised Merchant Watch List                          Run Date:  09-01-2015
Report:  CompromisedMerchantWatchList                                                                       Post Date:  07-16-2015

Queue Number      :  6245                                                                                    Run Time:  15:12:20
Application Number:  506719                                                                                  Cash Box:
Queue Sub Number  :  3                                           SCHEMA
                                                                OSIBANK

                                                             DATABASE NAME
                                                             NEONDNA4.WORLD

                                                                RELEASE
                                                              DNA 4.0.1.0

                                       07-30-2015 09:57:32 PM 217657 G:\OSI\BANK\BAT_EXE\EXTNS\


                                                           REPORT PARAMETERS

                   StartDate:  11-01-2008                                      ThruDate:  07-16-2015
£
Bank:    Anywhere Financial                         Compromised Merchant Watch List                          Run Date:  09-01-2015
Report:  CompromisedMerchantWatchList                                                                       Post Date:  07-16-2015
                                                                                                                 Page:  1 of 1

Merchant/Terminal ID       Transacting Transacting Card Number      Card Owner             Account Number  Transaction Transaction
                                  Date        Time                                                               Amount   Posted YN

Test Home Depot             12-24-2008 10:37:47 AM 1234567890123456 Dennis Okin                 123456789       500.00           N
                            12-18-2010 10:37:47 AM 1234567890123456 Dennis Okin                 123456789       100.83           N
                            10-03-2014 09:37:47 AM 1234567890123456 Dennis Okin                 123456789       643.12           N
----------------------------------------------------------------------------------------------------------------------------------
         Number of Transactions:           3                                           Dollar Amount of Transactions:     1,243.95
                                                                                Dollar Amount of Posted Transactions:         0.00
----------------------------------------------------------------------------------------------------------------------------------

Test PF Changs / 4826193    12-01-2008 11:45:25 AM 569421           Dennis Okin                         0       500.00           N
                            12-05-2008 06:50:54 AM 569421           Dennis Okin                         0       500.00           N
                            12-08-2008 07:10:08 AM 569421           Dennis Okin                         0       500.00           N
                            12-17-2008 02:01:27 PM 569421           Dennis Okin                         0       500.00           N
                            01-12-2009 12:44:14 PM 569421           Dennis Okin                         0       500.00           N
----------------------------------------------------------------------------------------------------------------------------------
         Number of Transactions:           5                                           Dollar Amount of Transactions:     2,500.00
                                                                                Dollar Amount of Posted Transactions:         0.00
----------------------------------------------------------------------------------------------------------------------------------|

Test TJ Maxx / 372284       11-24-2008 10:37:47 AM 569421           Dennis Okin                         0       500.00           N
----------------------------------------------------------------------------------------------------------------------------------
         Number of Transactions:           1                                           Dollar Amount of Transactions:       500.00
                                                                                Dollar Amount of Posted Transactions:         0.00
----------------------------------------------------------------------------------------------------------------------------------



==================================================================================================================================
Number of Compromised Merchants:           3                                           Dollar Amount of Transactions:     4,243.95
Number of Transactions         :           9                                    Dollar Amount of Posted Transactions:         0.00
==================================================================================================================================
```

Finally, to help maintain database performance and regulate the size of the new tables, the User can run the ‘DCFFTablePurge.sqt – Debit Card Fraud Finder Purge’ updating Batch Application to purge information from the two new tables for the Compromised Cards and Compromised Merchants. This batch application can be run in updating or non-updating mode to see a “what-if” purge result, and can be run for each table, or both together.

The batch application will also produce a report; this report will display the number of records that have been purged/would have been purged from the extension schema table(s) based on the batch applications parameters.

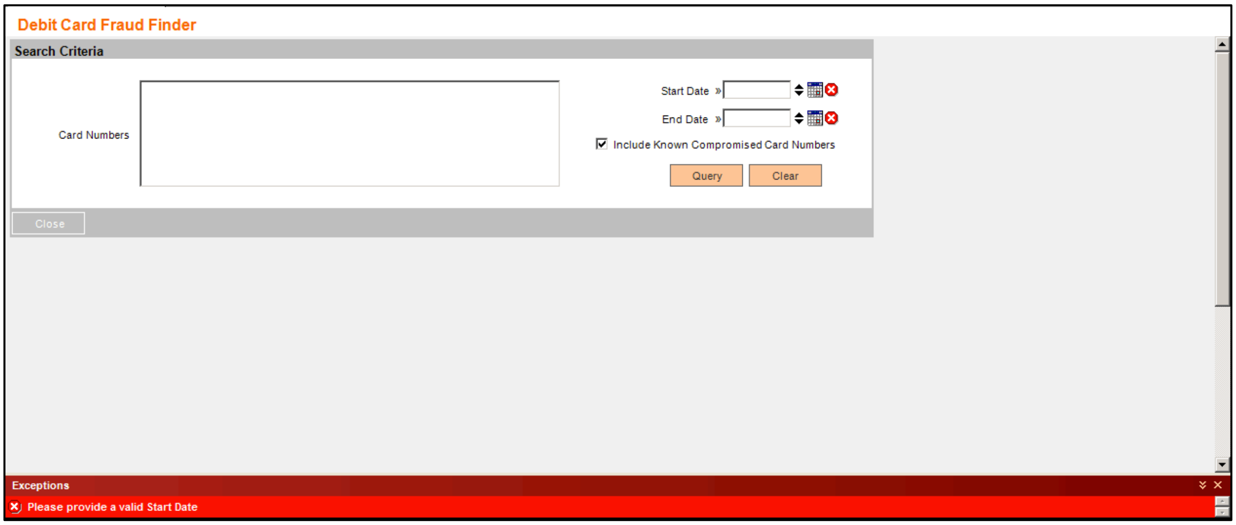


```
Bank:    Anywhere Financial                   Debit Card Fraud Finder Purge                    Run Date:  06-03-2016
Report:  DCFFTablePurge                                                                        Post Date:  11-16-2015

Queue Number       :  6022                                                                     Run Time:  11:20:40
Application Number:  509496                                                                    Cash Box:
Queue Sub Number   :  2                               SCHEMA
                                                     OSIBANK

                                                   DATABASE NAME
                                                   NEONDNA4.WORLD

                                                     RELEASE
                                                    DNA 4.1.0.0

                                   06-02-2016 05:52:36 PM 193931 G:\OSI\BANK\BAT_EXE\EXTNS\


                                                  REPORT PARAMETERS

                   Tables to Purge:  3                                    Effective Date:  11-16-2015
                   RptOnly_YN:  N

Bank:    Anywhere Financial                   Debit Card Fraud Finder Purge                    Run Date:  06-03-2016
Report:  DCFFTablePurge                                                                        Post Date:  11-16-2015
                                                                                                  Page:  1 of 1


                                                Records Purged          3
```

Application Messages:

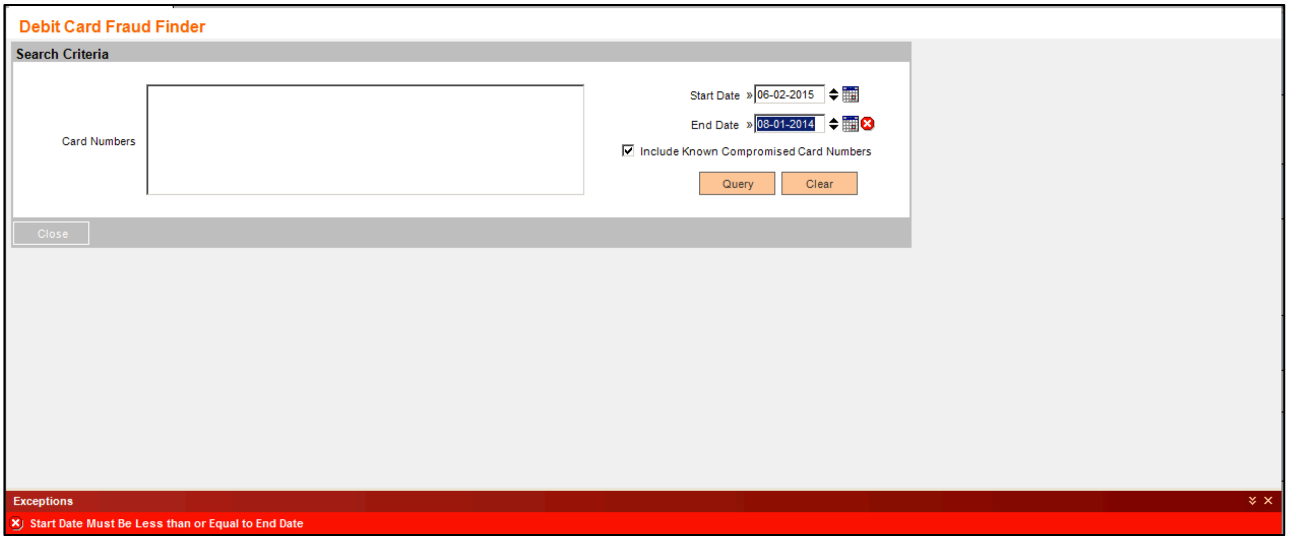
On the Debit Card Fraud Finder screen,

- The following system error message will be displayed when no search criteria has been entered.



Please provide a valid Start Date

- The following system error message will be displayed when the selected End Date is less than the Start Date.



Debit Card Fraud Finder

Search Criteria

Card Numbers

Start Date » 06-02-2015

End Date » 08-01-2014

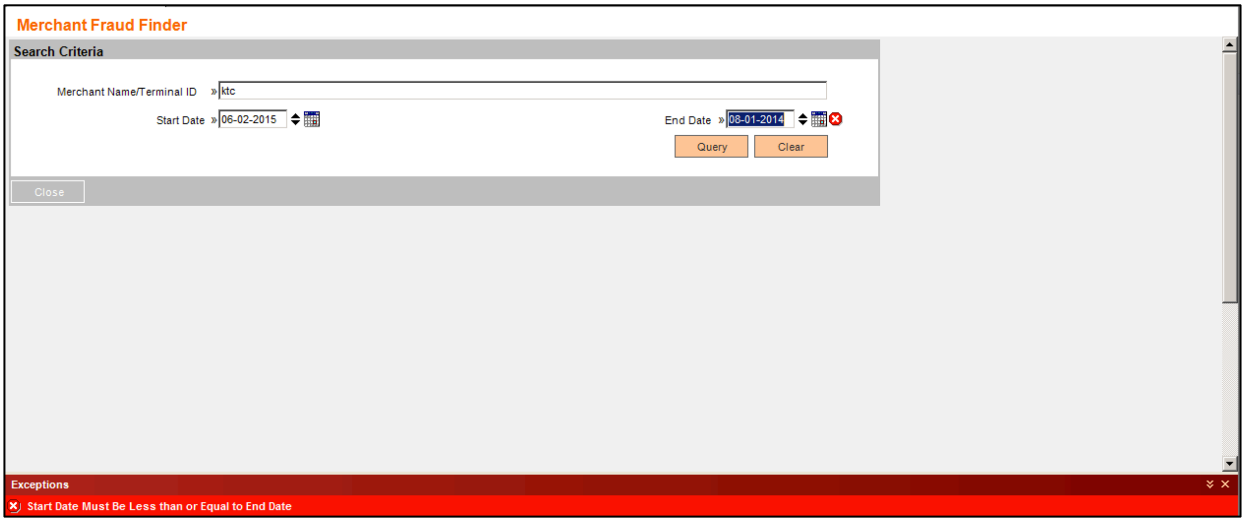
☑ Include Known Compromised Card Numbers

Exceptions

Start Date Must Be Less than or Equal to End Date

On the Merchant Fraud Finder screen,

- The following system error message will be displayed when the selected End Date is less than the Start Date.



Merchant Fraud Finder

Search Criteria

Merchant Name/Terminal ID » ktc

Start Date » 06-02-2015

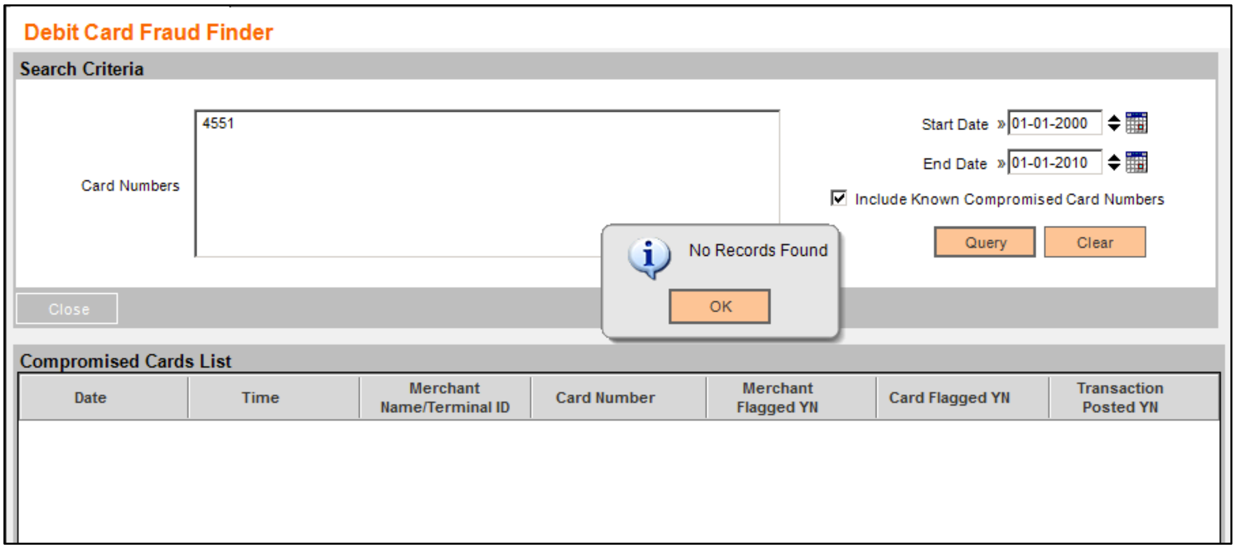
End Date » 08-01-2014

Exceptions

Start Date Must Be Less than or Equal to End Date

On the Debit Card Fraud Finder screen,

- The message "No Records Found” will be displayed when the application cannot find any card transactions according to the search criteria.



Debit Card Fraud Finder

Search Criteria

Card Numbers: 4551

Start Date » 01-01-2000

End Date » 01-01-2010

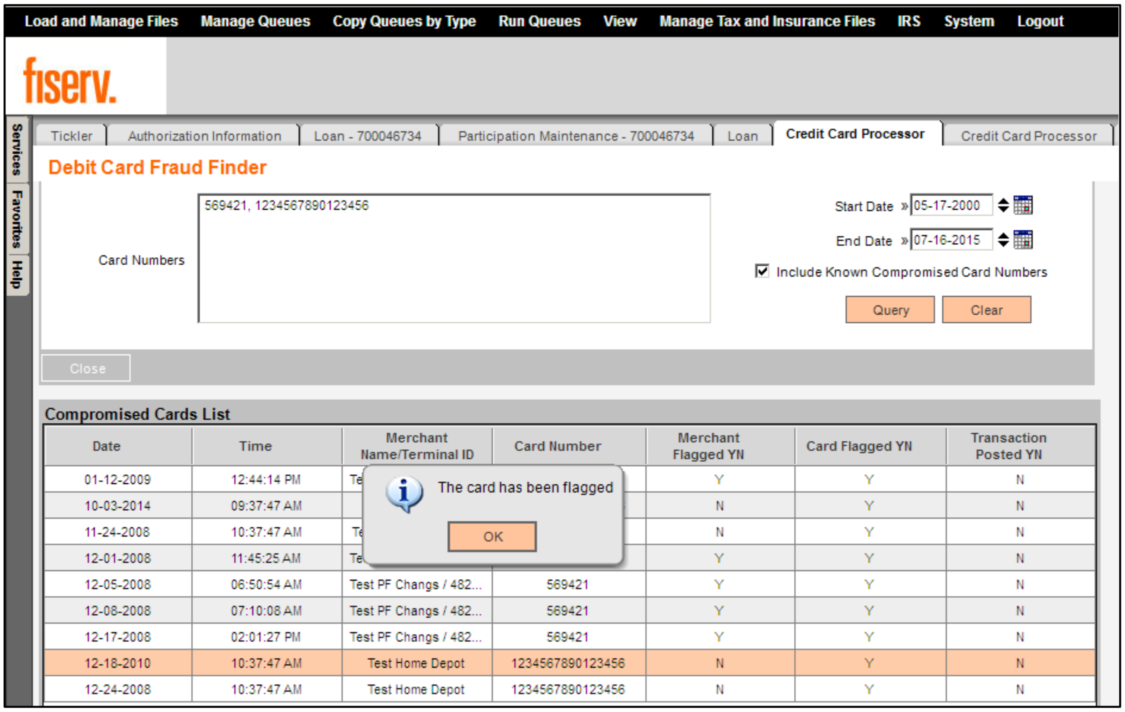
☑ Include Known Compromised Card Numbers

No Records Found

Compromised Cards List

Date	Time	Merchant Name/Terminal ID	Card Number	Merchant Flagged YN	Card Flagged YN	Transaction Posted YN

- The message "The card has been flagged” will be displayed when the User selects the Card Flag button and the selected card has never been flagged before or the card was made inactive prior to the current post date.



Debit Card Fraud Finder

Card Numbers: 569421, 1234567890123456

Start Date » 05-17-2000

End Date » 07-16-2015

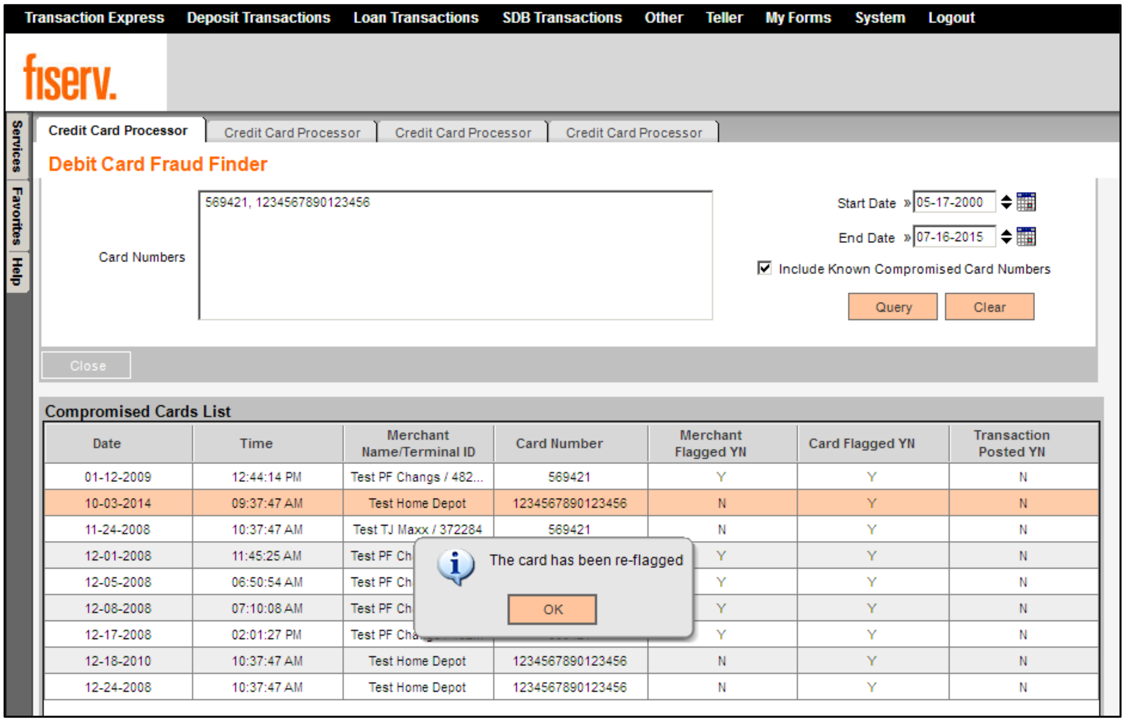
☑ Include Known Compromised Card Numbers

The card has been flagged

Compromised Cards List

Date	Time	Merchant Name/Terminal ID	Card Number	Merchant Flagged YN	Card Flagged YN	Transaction Posted YN
01-12-2009	12:44:14 PM	Te		Y	Y	N
10-03-2014	09:37:47 AM			N	Y	N
11-24-2008	10:37:47 AM	Te		N	Y	N
12-01-2008	11:45:25 AM	Te		Y	Y	N
12-05-2008	06:50:54 AM	Test PF Changs / 482...	569421	Y	Y	N
12-08-2008	07:10:08 AM	Test PF Changs / 482...	569421	Y	Y	N
12-17-2008	02:01:27 PM	Test PF Changs / 482...	569421	Y	Y	N
12-18-2010	10:37:47 AM	Test Home Depot	1234567890123456	N	Y	N
12-24-2008	10:37:47 AM	Test Home Depot	1234567890123456	N	Y	N

- The message "The card has been re-flagged" will be displayed when the User selects the Card Flag button and the selected card is currently inactive and had been made inactive on the current post date. This process will then activate the flag on the current post date.



Debit Card Fraud Finder

Card Numbers: 569421, 1234567890123456

Start Date » 05-17-2000

End Date » 07-16-2015

☑ Include Known Compromised Card Numbers

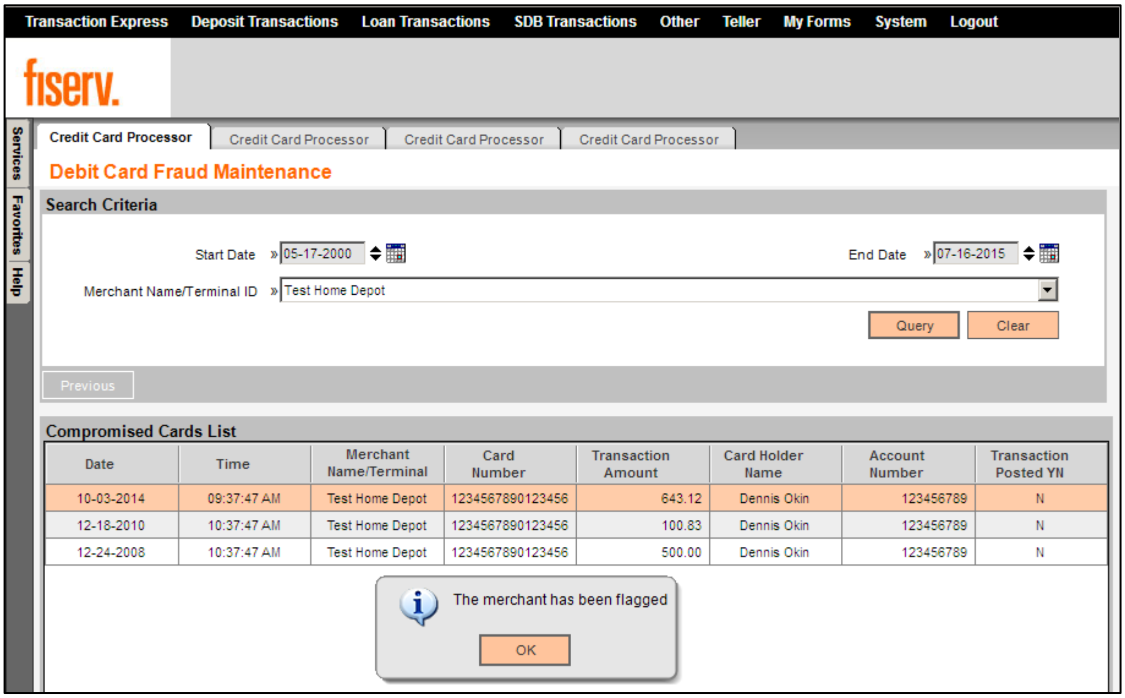
Compromised Cards List

Date	Time	Merchant Name/Terminal ID	Card Number	Merchant Flagged YN	Card Flagged YN	Transaction Posted YN
01-12-2009	12:44:14 PM	Test PF Changs / 482...	569421	Y	Y	N
10-03-2014	09:37:47 AM	Test Home Depot	1234567890123456	N	Y	N
11-24-2008	10:37:47 AM	Test TJ Maxx / 372284	569421	N	Y	N
12-01-2008	11:45:25 AM	Test PF Ch		Y	Y	N
12-05-2008	06:50:54 AM	Test PF Ch		Y	Y	N
12-08-2008	07:10:08 AM	Test PF Ch		Y	Y	N
12-17-2008	02:01:27 PM	Test PF Cha		Y	Y	N
12-18-2010	10:37:47 AM	Test Home Depot	1234567890123456	N	Y	N
12-24-2008	10:37:47 AM	Test Home Depot	1234567890123456	N	Y	N

The card has been re-flagged

On the Debit Card Fraud Maintenance screen,

- The message "The merchant has been flagged” will be displayed when the User selects the Merchant Flag button and the selected Merchant Name/Terminal ID has never been flagged or the Merchant Name/Terminal ID was made inactive prior to the current post date.



Debit Card Fraud Maintenance

Search Criteria

Start Date » 05-17-2000

End Date » 07-16-2015

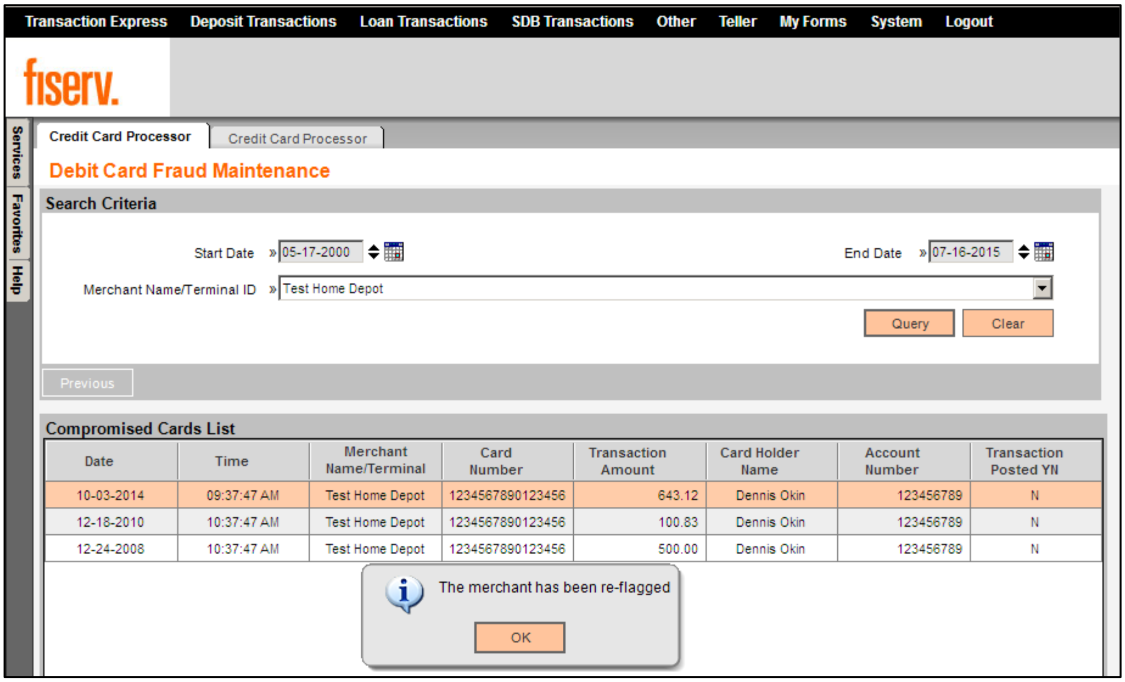
Merchant Name/Terminal ID » Test Home Depot

Compromised Cards List

Date	Time	Merchant Name/Terminal	Card Number	Transaction Amount	Card Holder Name	Account Number	Transaction Posted YN
10-03-2014	09:37:47 AM	Test Home Depot	1234567890123456	643.12	Dennis Okin	123456789	N
12-18-2010	10:37:47 AM	Test Home Depot	1234567890123456	100.83	Dennis Okin	123456789	N
12-24-2008	10:37:47 AM	Test Home Depot	1234567890123456	500.00	Dennis Okin	123456789	N

The merchant has been flagged

- The message "The merchant has been re-flagged" will be displayed when the User selects the Merchant Flag button and the selected Merchant Name/Terminal ID is currently inactive and had been made inactive on the current post date. This process will then activate the flag on the current post date.



Debit Card Fraud Maintenance

Search Criteria

Start Date » 05-17-2000

End Date » 07-16-2015

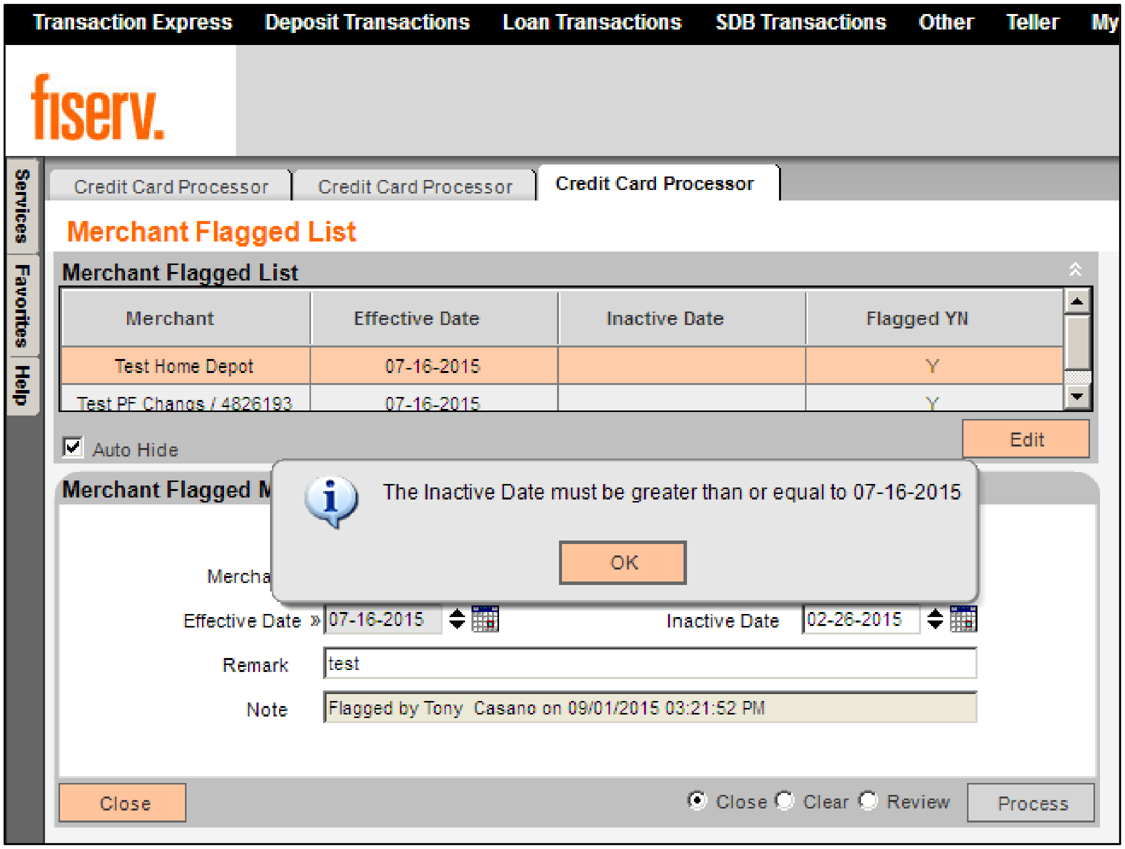
Merchant Name/Terminal ID » Test Home Depot

Compromised Cards List

Date	Time	Merchant Name/Terminal	Card Number	Transaction Amount	Card Holder Name	Account Number	Transaction Posted YN
10-03-2014	09:37:47 AM	Test Home Depot	1234567890123456	643.12	Dennis Okin	123456789	N
12-18-2010	10:37:47 AM	Test Home Depot	1234567890123456	100.83	Dennis Okin	123456789	N
12-24-2008	10:37:47 AM	Test Home Depot	1234567890123456	500.00	Dennis Okin	123456789	N

The merchant has been re-flagged

- On the Merchant Flagged List screen, the "The Inactive Date must be greater than or equal to [Current Post Date]" message will be displayed when the User inputs the Inactive Date field value that is less than the Current Post Date value.



Merchant Flagged List

Merchant Flagged List

Merchant	Effective Date	Inactive Date	Flagged YN
Test Home Depot	07-16-2015		Y
Test PF Changs / 4826193	07-16-2015		Y

☑ Auto Hide

Merchant Flagged M

The Inactive Date must be greater than or equal to 07-16-2015

Mercha

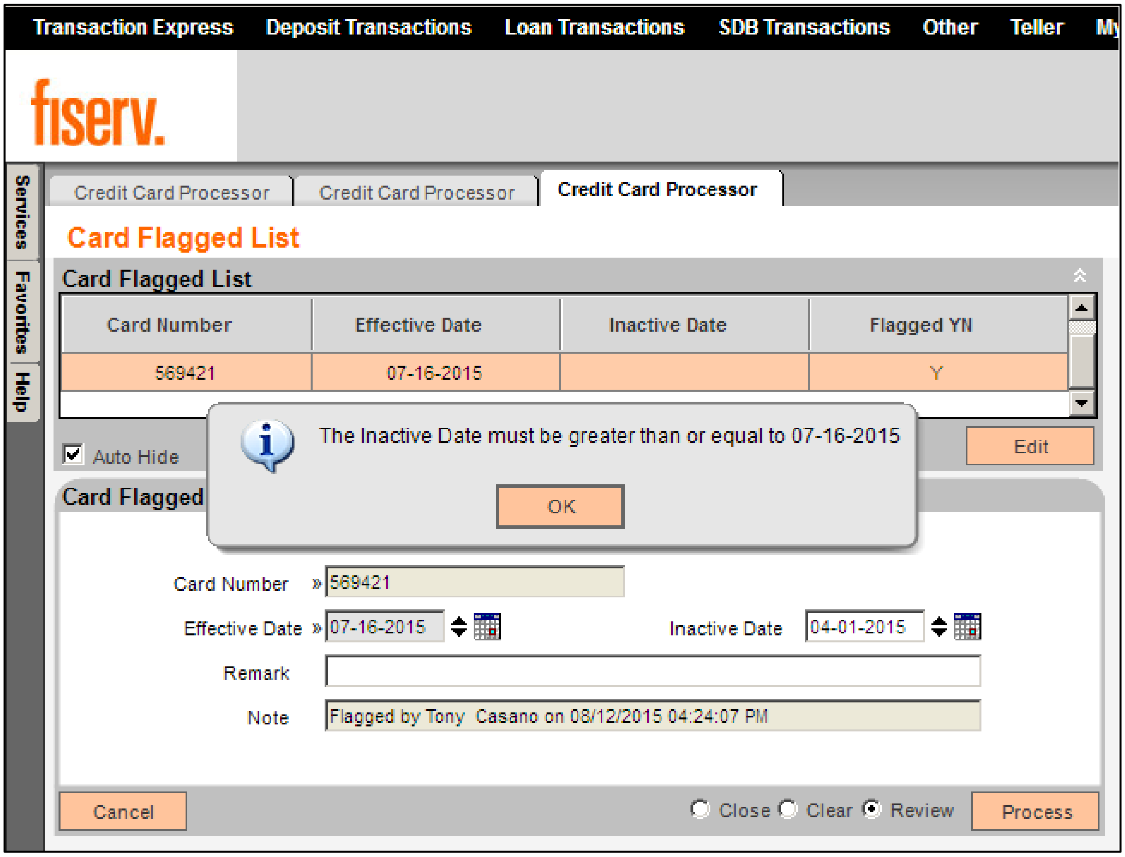
Effective Date » 07-16-2015

Inactive Date 02-26-2015

Remark test

Note Flagged by Tony Casano on 09/01/2015 03:21:52 PM

- On the Card Flagged List screen, the "The Inactive Date must be greater than or equal to [Current Post Date]" message will be displayed when the User inputs the Inactive Date field value that is less than the Current Post Date value.



Card Flagged List

Card Flagged List

Card Number	Effective Date	Inactive Date	Flagged YN
569421	07-16-2015		Y

☑ Auto Hide

The Inactive Date must be greater than or equal to 07-16-2015

Card Flagged

Card Number » 569421

Effective Date » 07-16-2015 Inactive Date 04-01-2015

Remark

Note Flagged by Tony Casano on 08/12/2015 04:24:07 PM

○ Close ○ Clear ● Review

Parameters:
The Compromised Card Import (COMPROMISEDCARDIMPORT.sqt) application has the following application parameter:

Parameter	Code	Description (how used)	Required	Default
Input File Path	IPTH	File path location where the compromised card file is and can be picked up by the program	Yes	<blank>

The Compromised Card Watch List Report (COMPROMISEDCARDWATCHLIST.sqt) application has the following application parameters:

Parameter	Code	Description (how used)	Required	Default
Start Date	SD	Start Date of reporting period	Yes	<blank>
Thru Date	TD	Thru Date of reporting period	Yes	<blank>

The Compromised Merchant Watch List (COMPROMISEDMERCHANTWATCHLIST.sqt) application has the following application parameters:

Parameter	Code	Description (how used)	Required	Default
Start Date	SD	Start Date of reporting period	Yes	<blank>
Thru Date	TD	Thru Date of reporting period	Yes	<blank>

The Debit Card Fraud Finder Purge (DCFFTABLEPURGE.sqt) application has the following application parameters:

Parameter	Code	Description (how used)	Required	Default
Effective Date	EFF	Application will purge all records that have an Inactive Date that are less than or equal to the date entered in this parameter. Active records will never be purged.	Yes	<blank>
RptOnly_YN	RPT	Yes/No field. If user selects Yes, the application will only display how many rows will be purged. If No is selected, the application will update the database with purging the records that meet the parameters entered.	Yes	Y
Tables to Purge	DCFP	Dropdown parameter, available values are: CardFlagged, MerchantFlagged, or Both. Depending on what value the user selects, the corresponding table will have the rows purged. If (1)-CardFlagged is selected only values in that table will be purged. If (2)-MerchantFlagged is selected only values in that table will be purged. If (3)-Both is selected the values in both the CardFlagged and MerchantFlagged tables will be purged.	Yes	3 (Both Tables)

Variables:

The Debit Card Fraud Finder DNAapp utilizes a new Configuration Variable that has been populated with a default value. The financial institution may assign a different value according to their system settings.

<u>Calculation Categories:</u>

A calculation category is required to associate the variable to the application. The following calculation category is used for that purpose.

Calculation Category Code	Description (how used)
CARD	Card Processing

Calculation Types:

A calculation type is required to associate the variable to the application. The following calculation type is used for that purpose.

Calculation Category Code	Calculation Type Code	Description (how used)	MjMiYN
CARD	DCFF	Debit Card Fraud Finder	Y

Calculation Variables:

The following calculation variable is required for the application. It is populated with the ‘DCFF’ calculation type.

Variable	Code	Description (how used)	Data Type	Default
Number of Back Date Query Days	DCBD	Defines the back-days for the default date range of card transactions during online querying.	NUM	60

Scheduling and re-run information (for batch applications):

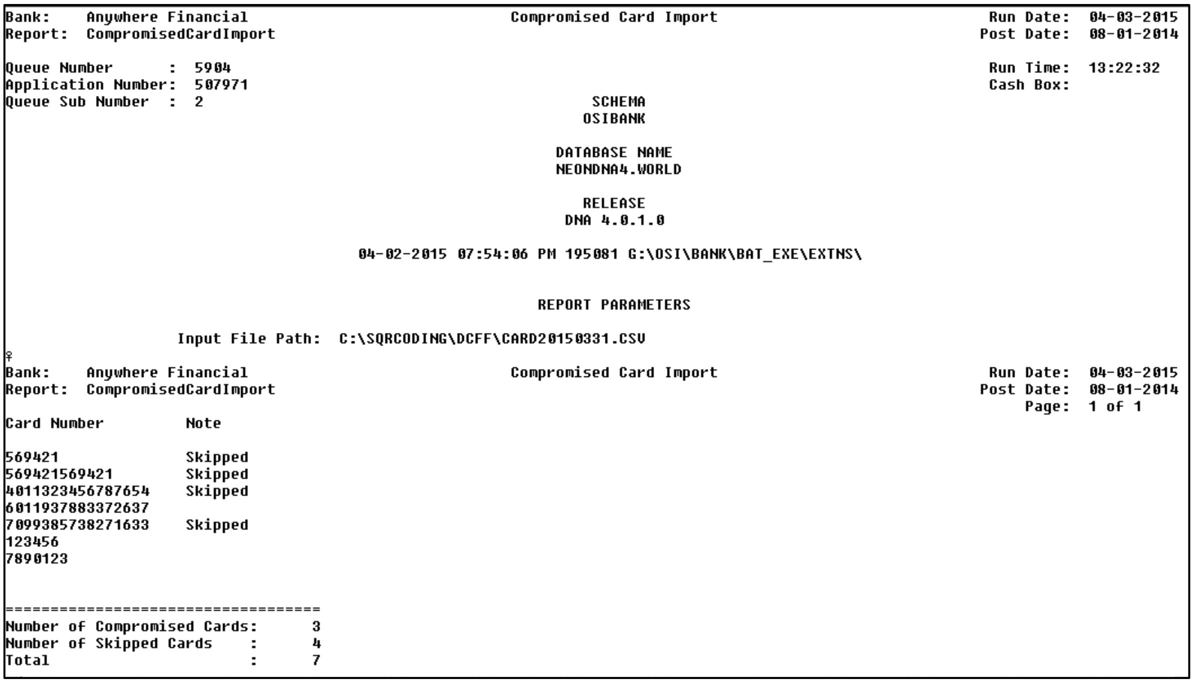
- The Compromised Card Import application can be run at any given point in time at the request of the Financial Institution.
- The Compromised Card Watch List Report and the Compromised Merchant Watch List Report can be set to run on a predetermined schedule: daily, weekly, or monthly, for example. Daily scheduling of this application will yield the most accurate results.

Reports:
The Debit Card Fraud Finder application produces four reports.

First, a report (COMPROMISEDCARDIMPORT.LIS) is produced when that application is run. This application is used to load a larger group of cards into the system, such as a file received from the card issuers (Visa, MasterCard). This application will load all records to be “flagged” within the DNA database upon loading, unlike the online application process that requires a card record to be flagged after being entered for initial query, and produce a report of the card records loaded.

The report sort order corresponds to the record order of the card record import file.

Below is an example of the report:



```
Bank:    Anywhere Financial                             Compromised Card Import                              Run Date:  04-03-2015
Report:  CompromisedCardImport                                                                              Post Date:  08-01-2014

Queue Number      :  5904                                                                                    Run Time:  13:22:32
Application Number:  507971                                                                                  Cash Box:
Queue Sub Number  :  2                                           SCHEMA
                                                                OSIBANK

                                                             DATABASE NAME
                                                             NEONDNA4.WORLD

                                                                RELEASE
                                                              DNA 4.0.1.0

                                       04-02-2015 07:54:06 PM 195081 G:\OSI\BANK\BAT_EXE\EXTNS\


                                                           REPORT PARAMETERS

                   Input File Path:  C:\SQRCODING\DCFF\CARD20150331.CSV
♀
Bank:    Anywhere Financial                             Compromised Card Import                              Run Date:  04-03-2015
Report:  CompromisedCardImport                                                                              Post Date:  08-01-2014
                                                                                                                 Page:  1 of 1
Card Number         Note

569421              Skipped
569421569421        Skipped
4011323456787654    Skipped
6011937883372637
7099385738271633    Skipped
123456
7890123


===================================
Number of Compromised Cards:      3
Number of Skipped Cards    :      4
Total                      :      7
```

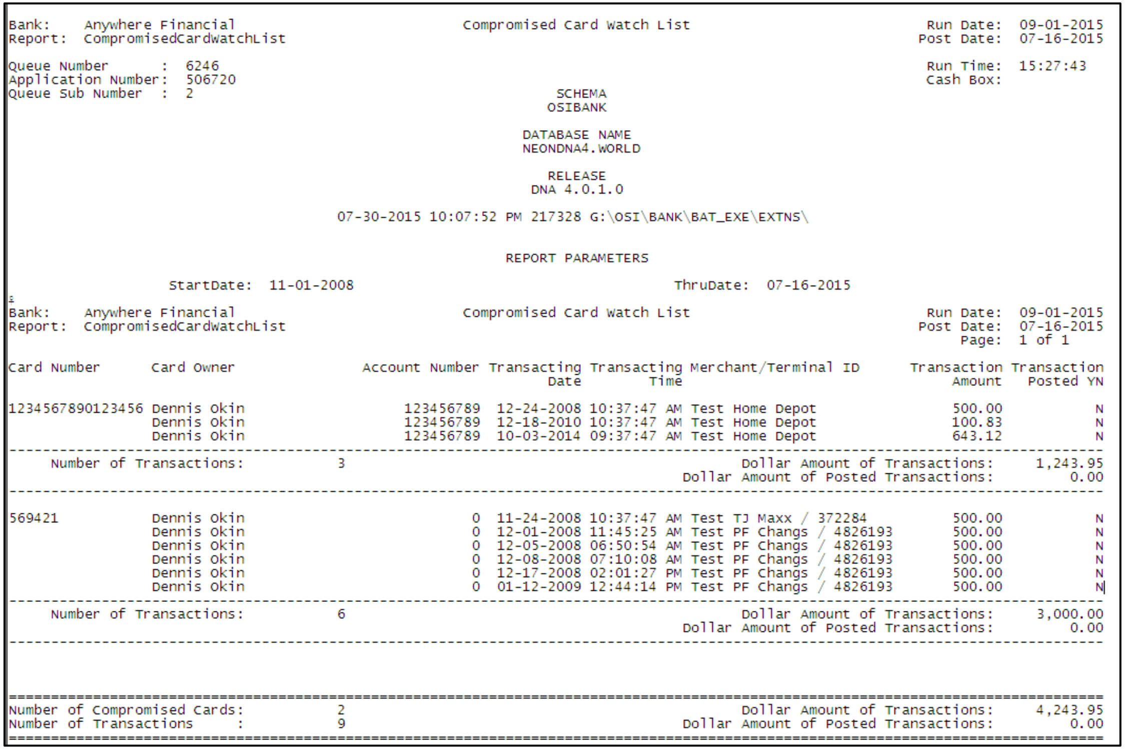
Field Listing:

Field	Description
Compromised Card Import	
Card Number	Imported Card Number that has been reported as being possibly compromised.
Note	The system generated message the card that has been flagged is being added to the DNA Database, or "Skipped" if the card record already exist and has an active flag status.
Number of Compromised Cards	The total number of compromised cards from the import file.
Number of Skipped Cards	The total number of cards that were not considered compromised from the import file.
Total	Total number of cards imported into system through via the import file

Second, a report (COMPROMISEDCARDWATCHLIST.LIS) lists all cards that have been flagged as compromised and their transactions within the date parameters, along with pertinent information such as transaction amount, merchant/terminal id, transaction date, transacting time, account number, card owner, etc. This report is subtotaled for each compromised card for transactions and dollar amount, and Totals for the number of compromised cards, the number of transactions and the total dollar amount of all transactions within the date parameters. This allows the Financial Institution a snapshot of potential total risk from these cards that have been flagged.

The report sort order is Card Number and then Transacting Date and Transacting Time.

Below is an example of the report:



```
Bank:    Anywhere Financial                           Compromised Card Watch List                           Run Date:  09-01-2015
Report:  CompromisedCardWatchList                                                                          Post Date:  07-16-2015

Queue Number      :  6246                                                                                   Run Time:  15:27:43
Application Number:  506720                                                                                 Cash Box:
Queue Sub Number  :  2                                           SCHEMA
                                                                OSIBANK

                                                             DATABASE NAME
                                                             NEONDNA4.WORLD

                                                                RELEASE
                                                              DNA 4.0.1.0

                                       07-30-2015 10:07:52 PM 217328 G:\OSI\BANK\BAT_EXE\EXTNS\


                                                           REPORT PARAMETERS

                   StartDate:  11-01-2008                                      ThruDate:  07-16-2015

Bank:    Anywhere Financial                           Compromised Card Watch List                           Run Date:  09-01-2015
Report:  CompromisedCardWatchList                                                                          Post Date:  07-16-2015
                                                                                                                Page:  1 of 1

Card Number      Card Owner               Account Number Transacting Transacting Merchant/Terminal ID      Transaction Transaction
                                                                Date        Time                                Amount   Posted YN

1234567890123456 Dennis Okin                    123456789  12-24-2008 10:37:47 AM Test Home Depot                500.00           N
                 Dennis Okin                    123456789  12-18-2010 10:37:47 AM Test Home Depot                100.83           N
                 Dennis Okin                    123456789  10-03-2014 09:37:47 AM Test Home Depot                643.12           N
----------------------------------------------------------------------------------------------------------------------------------
     Number of Transactions:           3                                               Dollar Amount of Transactions:     1,243.95
                                                                                Dollar Amount of Posted Transactions:         0.00
----------------------------------------------------------------------------------------------------------------------------------

569421           Dennis Okin                            0  11-24-2008 10:37:47 AM Test TJ Maxx / 372284          500.00           N
                 Dennis Okin                            0  12-01-2008 11:45:25 AM Test PF Changs / 4826193       500.00           N
                 Dennis Okin                            0  12-05-2008 06:50:54 AM Test PF Changs / 4826193       500.00           N
                 Dennis Okin                            0  12-08-2008 07:10:08 AM Test PF Changs / 4826193       500.00           N
                 Dennis Okin                            0  12-17-2008 02:01:27 PM Test PF Changs / 4826193       500.00           N
                 Dennis Okin                            0  01-12-2009 12:44:14 PM Test PF Changs / 4826193       500.00           N
----------------------------------------------------------------------------------------------------------------------------------
     Number of Transactions:           6                                               Dollar Amount of Transactions:     3,000.00
                                                                                Dollar Amount of Posted Transactions:         0.00
----------------------------------------------------------------------------------------------------------------------------------


==================================================================================================================================
Number of Compromised Cards:           2                                               Dollar Amount of Transactions:     4,243.95
Number of Transactions     :           9                                        Dollar Amount of Posted Transactions:         0.00
==================================================================================================================================
```

Field Listing:

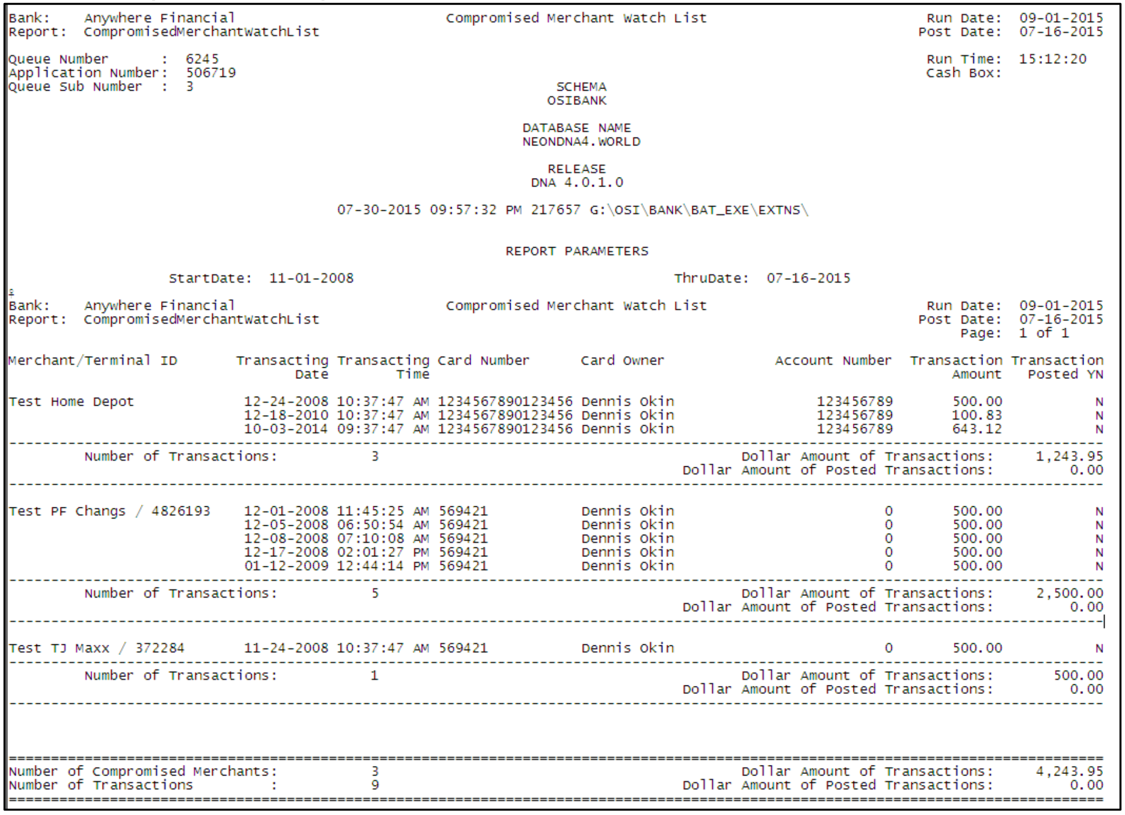
Field	Description
Compromised Card Watch List	
Card Number	Card Number that has been reported as being flagged.
Card Owner	The owner of the flagged card.
Account Number	The Account Number linked to the flagged card.
Transacting Date	Date the transaction occurred at the merchant.
Transacting Time	The exact time the transaction occurred at the merchant.
Merchant/Terminal ID	The merchant name of the card transaction will be displayed. If the merchant name is null, the terminal id of the card transaction will be displayed instead.
Transaction Amount	The total amount for the transaction made by the flagged card.
Transaction Posted YN	Yes/No option if the transaction was posted to the account. If no, the transaction is still processing.
Number of Transactions	Total number of flagged transactions completed grouped by card number.
Dollar Amount of Transactions	Total amount of all flagged transactions that have posted to the account and completed at all flagged merchants displayed on the report.
Dollar Amount of	Total amount of all flagged transactions that have posted to the account.

Posted Transactions	
Number of Compromised Cards	Total number of flagged, compromised cards on the report.
Number of Transactions	Total number of flagged transactions completed and displayed on the report.
Dollar Amount of Transactions	Total amount of all flagged transactions displayed on the report.
Dollar Amount of Posted Transactions	Total amount of all flagged transactions that have posted to the account and displayed on the report.

Third, a report (COMPROMISEDMERCHANTWATCHLIST.LIS) lists all transactions from cards (regardless of whether they have been flagged or not) performed at the merchant locations that have been flagged within the date parameters, along with pertinent information such as transaction amount, merchant/terminal id, transaction date, transacting time, account number, card owner, etc. This allows the Financial Institution a snapshot of potential total risk from any of their portfolio cards that have been utilized at flagged merchants. This report is subtotaled by merchant to provide an accounting of how many transactions and total transaction amount per flagged merchant.

The report sort order is Merchant/Terminal ID and then Transacting Date and Transacting Time.

Below is an example of the report:

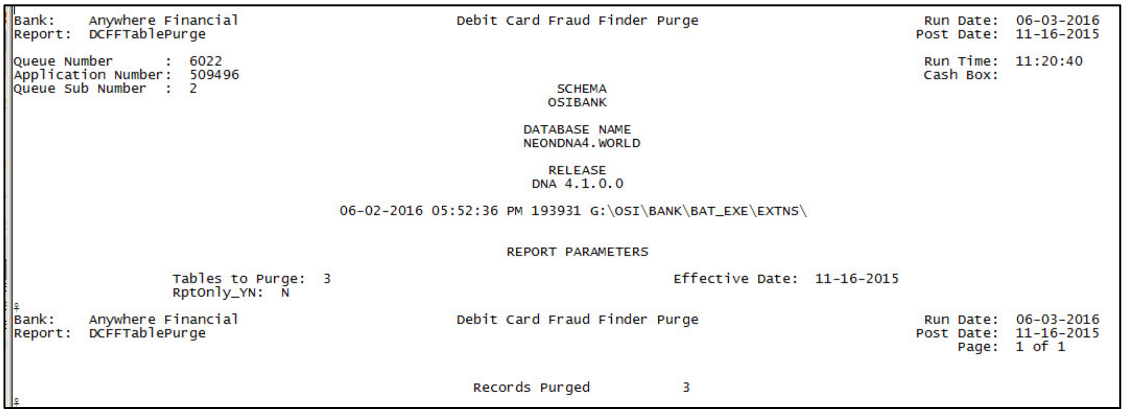


```
Bank:    Anywhere Financial                         Compromised Merchant Watch List                          Run Date:  09-01-2015
Report:  CompromisedMerchantWatchList                                                                       Post Date:  07-16-2015

Queue Number      :  6245                                                                                    Run Time:  15:12:20
Application Number:  506719                                                                                  Cash Box:
Queue Sub Number  :  3                                              SCHEMA
                                                                   OSIBANK

                                                                DATABASE NAME
                                                                NEONDNA4.WORLD

                                                                   RELEASE
                                                                 DNA 4.0.1.0

                                       07-30-2015 09:57:32 PM 217657 G:\OSI\BANK\BAT_EXE\EXTNS\


                                                             REPORT PARAMETERS

                   StartDate:  11-01-2008                                           ThruDate:  07-16-2015

Bank:    Anywhere Financial                         Compromised Merchant Watch List                          Run Date:  09-01-2015
Report:  CompromisedMerchantWatchList                                                                       Post Date:  07-16-2015
                                                                                                                 Page:  1 of 1

Merchant/Terminal ID        Transacting Transacting Card Number      Card Owner                Account Number  Transaction Transaction
                                   Date        Time                                                                 Amount   Posted YN

Test Home Depot              12-24-2008 10:37:47 AM 1234567890123456 Dennis Okin                    123456789       500.00           N
                             12-18-2010 10:37:47 AM 1234567890123456 Dennis Okin                    123456789       100.83           N
                             10-03-2014 09:37:47 AM 1234567890123456 Dennis Okin                    123456789       643.12           N
-----------------------------------------------------------------------------------------------------------------------------------
         Number of Transactions:           3                                       Dollar Amount of Transactions:     1,243.95
                                                                            Dollar Amount of Posted Transactions:         0.00
-----------------------------------------------------------------------------------------------------------------------------------

Test PF Changs / 4826193     12-01-2008 11:45:25 AM 569421           Dennis Okin                            0       500.00           N
                             12-05-2008 06:50:54 AM 569421           Dennis Okin                            0       500.00           N
                             12-08-2008 07:10:08 AM 569421           Dennis Okin                            0       500.00           N
                             12-17-2008 02:01:27 PM 569421           Dennis Okin                            0       500.00           N
                             01-12-2009 12:44:14 PM 569421           Dennis Okin                            0       500.00           N
-----------------------------------------------------------------------------------------------------------------------------------
         Number of Transactions:           5                                       Dollar Amount of Transactions:     2,500.00
                                                                            Dollar Amount of Posted Transactions:         0.00
----------------------------------------------------------------------------------------------------------------------------------|

Test TJ Maxx / 372284        11-24-2008 10:37:47 AM 569421           Dennis Okin                            0       500.00           N
-----------------------------------------------------------------------------------------------------------------------------------
         Number of Transactions:           1                                       Dollar Amount of Transactions:       500.00
                                                                            Dollar Amount of Posted Transactions:         0.00
-----------------------------------------------------------------------------------------------------------------------------------



===================================================================================================================================
Number of Compromised Merchants:           3                                       Dollar Amount of Transactions:     4,243.95
Number of Transactions         :           9                                Dollar Amount of Posted Transactions:         0.00
===================================================================================================================================
```

Field Listing:

Field	Description
Compromised Merchant Watch List	
Merchant/Terminal ID	The merchant name of the card transaction will be displayed. If the merchant name is null, the terminal id of the card transaction will be displayed instead.
Transacting Date	Date the transaction occurred at the merchant currently that is on the watch list.
Transacting Time	The exact time the transaction occurred at the merchant.
Card Number	Card Number that has been reported as being flagged.
Card Owner	The owner of the flagged card.
Account Number	The Account Number linked to the flagged card.
Transaction Amount	The total amount for the transaction made by the flagged card.
Transaction Posted YN	Yes/No option if the transaction was posted to the account. If no, the transaction is still processing.
Number of Transactions	Total number of flagged transactions completed at the Merchant/Terminal ID.
Dollar Amount of Posted Transactions	Total dollar amount of the transactions posted at the Merchant/Terminal ID.
Number of Compromised Merchants	Total number of flagged, compromised merchants.
Number of Transactions	Total number of flagged transactions completed at all flagged merchants displayed on the report.
Dollar Amount of Transactions	Total amount of all flagged transactions completed at all flagged merchants displayed on the report.
Dollar Amount of Posted Transactions	Total amount of all flagged transactions that have posted to the account and completed at all flagged merchants displayed on the report.

Fourth, a report (DCFFTABLEPURGE.LIS) is an updating Batch Application. The application will purge the extension schema tables used by the Debit Card Fraud Finder application based on the batch parameters. The batch application will purge all records in the table(s) designated by the value in the Tables to Purge parameter and with an Inactive Date that is less than or equal to the Effective Date entered. A report is produced and will display the number of records have been purged from the extension schema table(s).



```
Bank:    Anywhere Financial                    Debit Card Fraud Finder Purge                    Run Date:  06-03-2016
Report:  DCFFTablePurge                                                                        Post Date:  11-16-2015

Queue Number      :  6022                                                                       Run Time:  11:20:40
Application Number:  509496                                                                     Cash Box:
Queue Sub Number  :  2                                    SCHEMA
                                                          OSIBANK

                                                       DATABASE NAME
                                                       NEONDNA4.WORLD

                                                          RELEASE
                                                        DNA 4.1.0.0

                                    06-02-2016 05:52:36 PM 193931 G:\OSI\BANK\BAT_EXE\EXTNS\


                                                     REPORT PARAMETERS

                  Tables to Purge:  3                                       Effective Date:  11-16-2015
                  RptOnly_YN:   N

Bank:    Anywhere Financial                    Debit Card Fraud Finder Purge                    Run Date:  06-03-2016
Report:  DCFFTablePurge                                                                        Post Date:  11-16-2015
                                                                                                    Page:  1 of 1


                                                 Records Purged          3
```

Field Listing:

Field	Description
Debit Card Fraud Finder Purge	
Records Purged	Displays the number of records purged from the extension schema table(s) based on the parameter values entered.

Input File Layout:

The format will be a CSV File with a single record per line format with no header or trailer record.

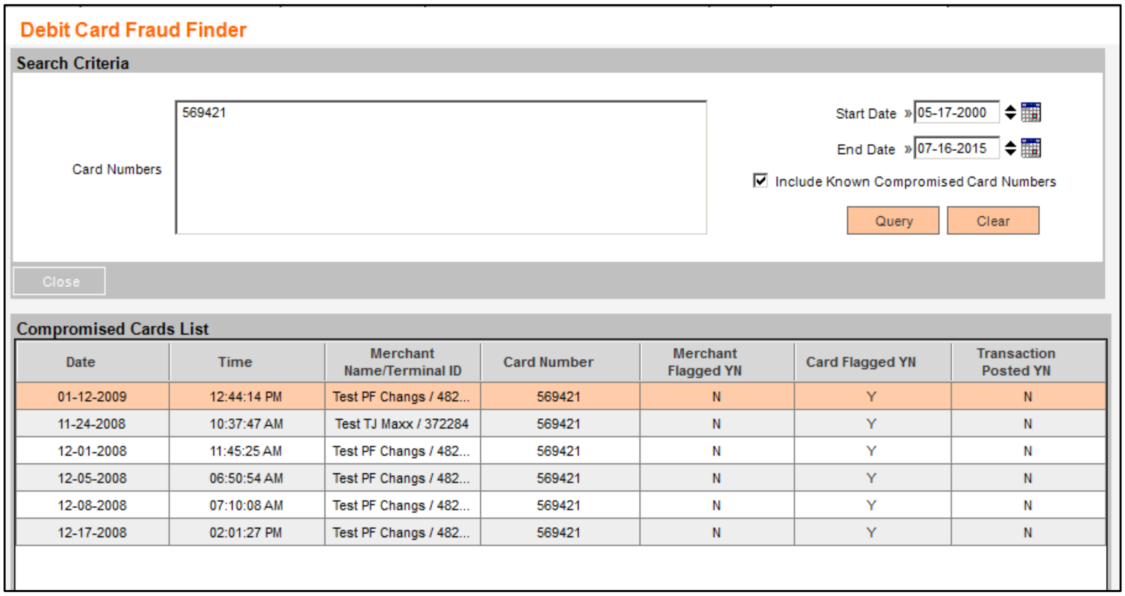
Field	**Format**	**Description**
Card Number	9999999999	This number represents the card number that is being imported into the DNA Database.

Screens:

Navigation:

Transactions > Other > Debit Card Fraud Finder.

Screen Appearance (Debit Card Fraud Finder):



Debit Card Fraud Finder

Search Criteria

Card Numbers: 569421

Start Date » 05-17-2000

End Date » 07-16-2015

☑ Include Known Compromised Card Numbers

Compromised Cards List

Date	Time	Merchant Name/Terminal ID	Card Number	Merchant Flagged YN	Card Flagged YN	Transaction Posted YN
01-12-2009	12:44:14 PM	Test PF Changs / 482...	569421	N	Y	N
11-24-2008	10:37:47 AM	Test TJ Maxx / 372284	569421	N	Y	N
12-01-2008	11:45:25 AM	Test PF Changs / 482...	569421	N	Y	N
12-05-2008	06:50:54 AM	Test PF Changs / 482...	569421	N	Y	N
12-08-2008	07:10:08 AM	Test PF Changs / 482...	569421	N	Y	N
12-17-2008	02:01:27 PM	Test PF Changs / 482...	569421	N	Y	N

Field Listing:

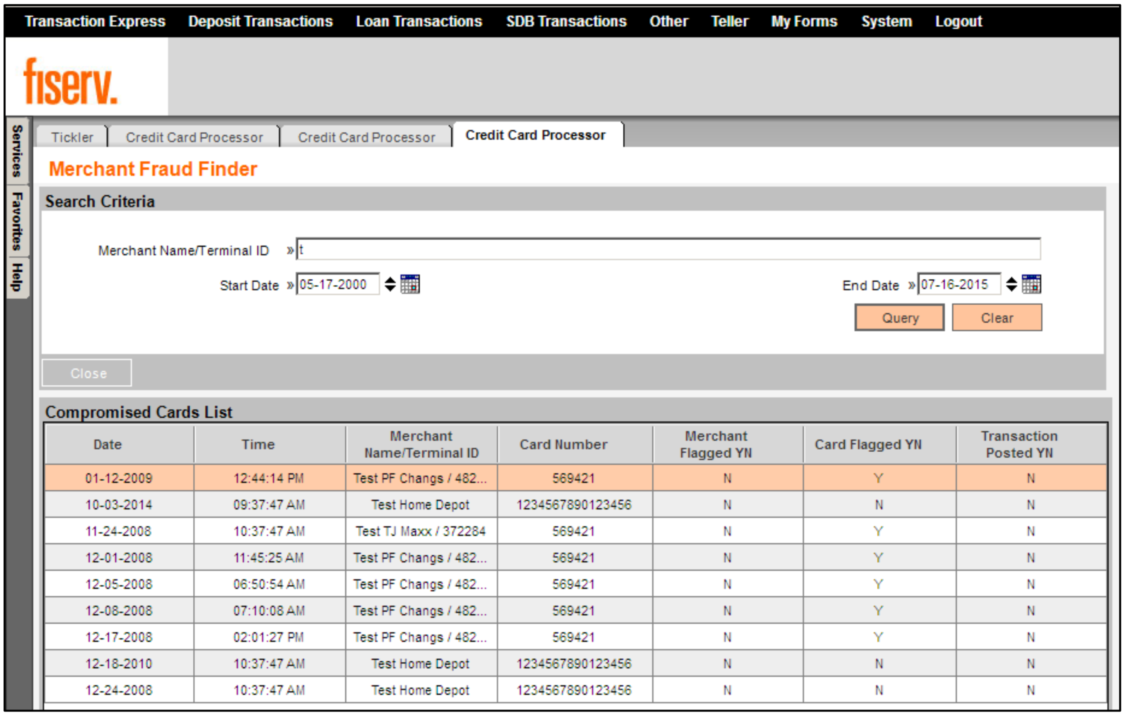
Field	Description
Search Criteria	
Card Number	Card numbers of the card transaction for searching. If many card numbers to specify, each card number can be separated by comma, space, or new line. If this field has a value, the Include Known Compromised Card Numbers indicator can be OFF otherwise this Card Number field will be required. ***Note:*** The maximum length for this field is 300 characters.
Start Date	The start date of card transaction’s transmission date time for searching.
End Date	The end date of card transaction’s transmission date time for searching.
Include Known Compromised Card Numbers	Indicator to include compromised card uploaded by Compromised Card Import application recorded in the OSIEXTN schema for searching. Default = ON = Include the known compromised cards. If this indicator is ON, the Card Number field can be null otherwise the Card Number field will be required.
Close <button>	If clicked, the screen will close.
Query <button>	If clicked, the application will search the card transactions according to the above criteria.
Clear <button>	If clicked, the screen will clear values of the Card Number, Start Date, End Date fields and grid details. Also making the Include Known Compromised Card Numbers indicator to be ON.
Compromised Card List	
Date	The card transaction’s transmission date.
Time	The card transaction’s transmission time.
Merchant Name/Terminal ID	The merchant name of the card transaction will be displayed. If the merchant name is null, the terminal id of the card transaction will be displayed instead.
Card Number	The card number of card transaction.
Merchant Flagged YN	The indicator will be “Y” when the merchant name/terminal id of the card transaction is flagged and currently active.
Card Flagged YN	The indicator will be “Y” when the card number of the card transaction is flagged and currently active.
Transaction Posted YN	The indicator will be “Y” when the card transaction has been posted.
Card Flag <button>	If clicked, the card number of the selected row in this data grid will be record as compromised card flagged in CardFlagged table of OSIEXTN schema with the NoteText field value as “Flagged by [SAFUser] on [Current Date Time in MM/DD/YYYY HH:MI:SS AM format]”. The application will display a “The card has been flagged” or “The card has been re-flagged” message. Please see the application messages section for more details on these messages.
Next <button>	If clicked, the Debit Card Fraud Maintenance screen will be displayed

	with the current input start date and end date derived.

Navigation:

Transactions > Other > Merchant Fraud Finder.

Screen Appearance (Merchant Fraud Finder):



Merchant Fraud Finder

Search Criteria

Merchant Name/Terminal ID » t

Start Date » 05-17-2000

End Date » 07-16-2015

Compromised Cards List

Date	Time	Merchant Name/Terminal ID	Card Number	Merchant Flagged YN	Card Flagged YN	Transaction Posted YN
01-12-2009	12:44:14 PM	Test PF Changs / 482...	569421	N	Y	N
10-03-2014	09:37:47 AM	Test Home Depot	1234567890123456	N	N	N
11-24-2008	10:37:47 AM	Test TJ Maxx / 372284	569421	N	Y	N
12-01-2008	11:45:25 AM	Test PF Changs / 482...	569421	N	Y	N
12-05-2008	06:50:54 AM	Test PF Changs / 482...	569421	N	Y	N
12-08-2008	07:10:08 AM	Test PF Changs / 482...	569421	N	Y	N
12-17-2008	02:01:27 PM	Test PF Changs / 482...	569421	N	Y	N
12-18-2010	10:37:47 AM	Test Home Depot	1234567890123456	N	N	N
12-24-2008	10:37:47 AM	Test Home Depot	1234567890123456	N	N	N

Field Listing:

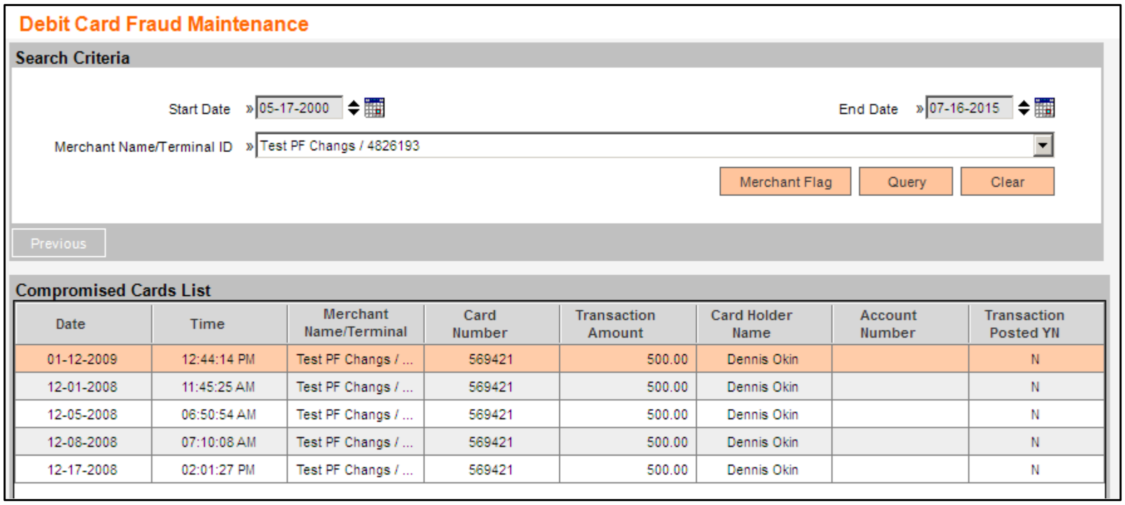
Field	Description
	Search Criteria
Merchant Name/Terminal ID	The merchant name where the card transaction occurred. Users also can search by Terminal ID for records that have no associated merchant name. The field is enabled to use wild card searching for easier searching.
Start Date	The start date of card transaction's transmission date time for searching.
End Date	The end date of card transaction's transmission date time for searching.
Close <button>	If clicked, the screen will close.
Query <button>	If clicked, the application will search and display card transactions according to the above criteria.
Clear <button>	If clicked, the screen will clear values of the Merchant Name/Terminal ID, Start Date, End Date fields and grid details.
	Compromised Cards List
Date	The card transaction's transmission date.
Time	The card transaction's transmission time.
Merchant	The merchant name of the card transaction will be displayed. If the

Name/Terminal ID	merchant name is null, the terminal id of the card transaction will be displayed instead.
Card Number	The card number of card transaction.
Merchant Flagged YN	The indicator will be “Y” when the merchant name/terminal id of the card transaction is flagged and currently active.
Card Flagged YN	The indicator will be “Y” when the card number of the card transaction is flagged and currently active.
Transaction Posted YN	The indicator will be “Y” when the card transaction has been posted.
Card Flag <button>	If clicked, the card number of the selected row in this data grid will be record as compromised card flagged in CardFlagged table of OSIEXTN schema with the NoteText field value as “Flagged by [SAFUser] on [Current Date Time in MM/DD/YYYY HH:MI:SS AM format]”. The application will display a “The card has been flagged” or “The card has been re-flagged” message. Please see the application messages section for more details on these messages.
Merchant Flag <button>	If clicked, the merchant name/terminal id of the Merchant Name/Terminal ID dropdown list will be record as a compromised merchant flagged in MerchantFlagged table of OSIEXTN schema with the NoteText field value as “Flagged by [SAFUser] on [Current Date Time in MM/DD/YYYY HH:MI:SS AM format]”. The application will display a “The merchant has been flagged” or “The merchant has been re-flagged” message. Please see the application messages section for more details on these messages.

Navigation:

Transactions > Other > Debit Card Fraud Finder > input Search Criteria then click Query button to search card transactions, when the result of searching displayed in the Compromised Cards List then click Next button.

Screen Appearance (Debit Card Fraud Maintenance):



Debit Card Fraud Maintenance

Search Criteria

Start Date » 05-17-2000

End Date » 07-16-2015

Merchant Name/Terminal ID » Test PF Changs / 4826193

Compromised Cards List

Date	Time	Merchant Name/Terminal	Card Number	Transaction Amount	Card Holder Name	Account Number	Transaction Posted YN
01-12-2009	12:44:14 PM	Test PF Changs / ...	569421	500.00	Dennis Okin		N
12-01-2008	11:45:25 AM	Test PF Changs / ...	569421	500.00	Dennis Okin		N
12-05-2008	06:50:54 AM	Test PF Changs / ...	569421	500.00	Dennis Okin		N
12-08-2008	07:10:08 AM	Test PF Changs / ...	569421	500.00	Dennis Okin		N
12-17-2008	02:01:27 PM	Test PF Changs / ...	569421	500.00	Dennis Okin		N

Field Listing:

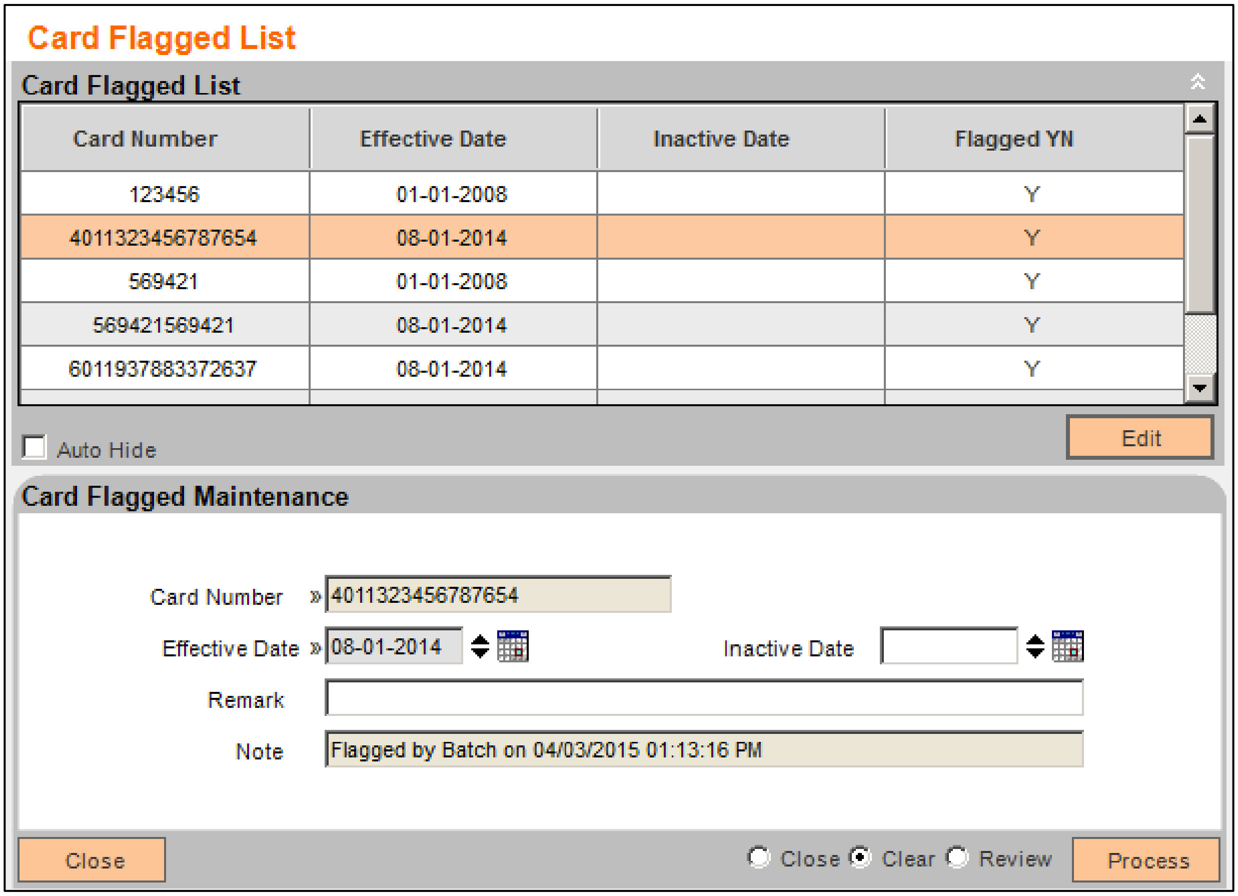
Field	Description
	Search Criteria
Start Date	The start date of card transaction's transmission date time for searching. Derived from the Debit Card Fraud Finder screen.
End Date	The end date of card transaction's transmission date time for searching. Derived from the Debit Card Fraud Finder screen.
Merchant Name/Terminal ID	The list of all Merchant Name/Terminal ID occurred in the card transaction according to the Start Date and End Date field values. The merchant name of the card transaction will be displayed. If the merchant name is null, the terminal id of the card transaction will be displayed instead.
Previous <button>	If clicked, the Debit Card Fraud Finder screen will be displayed.
Merchant Flag <button>	If clicked, the merchant name/terminal id of the Merchant Name/Terminal ID dropdown list will be record as compromised merchant flagged in MerchantFlagged table of OSIEXTN schema with the NoteText field value as "Flagged by [SAFUser] on [Current Date Time in MM/DD/YYYY HH:MI:SS AM format]". The application will display a "The merchant has been flagged" or "The

	merchant has been re-flagged" message. Please see the application messages section for more details on these messages
Query <button>	If clicked, the application will search the card transactions according to the above criteria.
Clear <button>	If clicked, the screen will clear values of the Merchant Name/Terminal ID field and also clears grid details.
Compromised Card List	
Date	The card transaction's transmission date.
Time	The card transaction's transmission time.
Merchant Name/Terminal ID	The merchant name of the card transaction will be displayed. If the merchant name is null, the terminal id of the card transaction will be displayed instead.
Card Number	The card number of card transaction.
Transaction Amount	The amount of the card transaction.
Card Holder Name	The name of the account primary owner of the card transaction.
Account Number	The account number of card transaction.
Transaction Posted YN	The indicator will be "Y" when the card transaction has been posted.

Navigation:

Transactions > Other > Card Flagged List.

Screen Appearance (Card Flagged List):



Card Flagged List

Card Flagged List

Card Number	Effective Date	Inactive Date	Flagged YN
123456	01-01-2008		Y
4011323456787654	08-01-2014		Y
569421	01-01-2008		Y
569421569421	08-01-2014		Y
6011937883372637	08-01-2014		Y

□ Auto Hide

Edit

Card Flagged Maintenance

Card Number »	4011323456787654		
Effective Date »	08-01-2014	Inactive Date	
Remark			
Note	Flagged by Batch on 04/03/2015 01:13:16 PM		

Close ○ Close ● Clear ○ Review Process

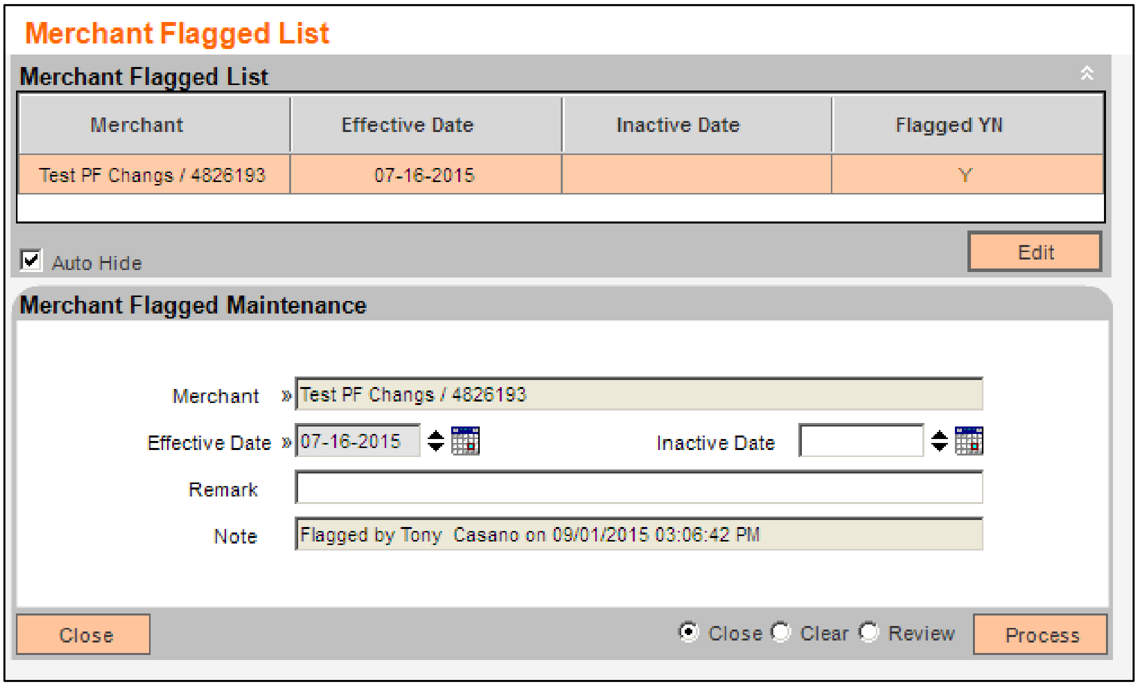
Field Listing:

Field	Description
Card Number	The card number has been flagged.
Effective Date	The effective date of the card flagged.
Inactive Date	The inactive date of the card flagged.
Flagged YN	The indicator will be displayed "Y" when the card is flagged and currently active.
Edit <button>	If clicked, the screen will display the Card Flagged Maintenance box at the bottom of the screen.
Card Flagged Maintenance The information of this box will display according to the selected row in the Card Flagged List data grid above.	
Card Number	The card number has been flagged.
Effective Date	The effective date of the card flagged.
Inactive Date	The inactive date of the card flagged.
Remark	The user remark text of the Card flagged maintenance.
Note	The system generated text of the Card flagged maintenance.
Clear <button>	If clicked, the field values of the Inactive Date and Remark will be cleared and set values to be the last saved values.
Close <button>	If clicked, the screen will be closed.
Process <button>	If clicked, the field values of the Inactive Date and Remark will be saved

Navigation:

Transactions > Other > Merchant Flagged List.

Screen Appearance (Merchant Flagged List):



Merchant	Effective Date	Inactive Date	Flagged YN
Test PF Changs / 4826193	07-16-2015		Y

Merchant » Test PF Changs / 4826193

Effective Date » 07-16-2015 Inactive Date

Remark

Note Flagged by Tony Casano on 09/01/2015 03:06:42 PM

Field Listing:

Field	Description
Merchant Name	The merchant name that has been flagged.
Effective Date	The effective date of the merchant name that has been flagged.
Inactive Date	The inactive date of the merchant name that has been flagged.
Flagged YN	The indicator will be displayed "Y" when the merchant name is flagged and currently active.
Edit <button>	If clicked, the screen will display the Merchant Flagged Maintenance box at the bottom of the screen.
Merchant Flagged Maintenance The information of this box will display according to the selected row in the Merchant Flagged List data grid above.	
Merchant Name	The merchant name that has been flagged.
Effective Date	The effective date of the merchant name that has been flagged.
Inactive Date	The inactive date of the merchant name that has been flagged.
Remark	The user remark text of the merchant name that has been flagged maintenance.
Note	The system generated text of the Merchant Name that has been flagged in maintenance.
Clear <button>	If clicked, the field values of the Inactive Date and Remark will be cleared and set values to be the last saved values.

Close <button>	If clicked, the screen will be closed.
Process <button>	If clicked, the field values of the Inactive Date and Remark will be saved

Additional Requirements:

DNA 4.1 or higher.

Configuration Checklist:

Item	Test Environment	Production Environment
Ensure the User has been granted 'TXIN – Transaction Inquiry' Authorization Item to consolidate with Transaction module screen for using five custom screens of the Debit Card Fraud Finder application.		
Ensure the Calculation Variable Value for DCBD (Number of Back Date Query Days) has been set up for the Debit Card Fraud Finder Calculation Type (default value is 60)		
Ensure the CompromisedCardImport.sqt application is in the DNA Creator application directory (typically G:\OSI\Bank\Bat_exe\EXTNS\)		
Ensure the CompromisedCardWatchList.sqt application is in the DNA Creator application directory (typically G:\OSI\Bank\Bat_exe\EXTNS\)		
Ensure the CompromisedMerchantWatchList.sqt application is in the DNA Creator application directory (typically G:\OSI\Bank\Bat_exe\EXTNS\)		
Ensure the DCFFTABLEPURGE.sqt application is in the DNA Creator application directory (typically G:\OSI\Bank\Bat_exe\EXTNS\)		
Set up Queue Application Parameters		

Revisions:

Date	App Version #	Change
10/2016	1.0.1.0	Added Debit Card Fraud Finder Purge batch application. Updated code to handle Merchant Descriptions with exception formats.
10/2015	1.0.0.0	Application Created