



## Transaction Exception Trends

PFSRTXNExcTrends.dnax  
Extension Id: 1d7953a3-ad88-4fb7-b6e0-e93ec0e425ad

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**Overview:**

The Transaction Exception Trends application is an online application with a single new screen that allows the User to obtain an online snapshot of historical exception tracking with several filtering options, including by Financial Institution, Branch, Employee, and Overriding Employee, over a period of time designated by the User.

**Key Benefits:**

Current standard reporting for exception tracking (EM\_SUPR) is done via an application that typically is run at the end of day and has a single day's reporting data available the next business day. This application helps the User go beyond daily report review to explore trends that help point to both audit alerts and daily processing changes required.

The application helps the User by:

- Presenting a historical look at the exceptions that occur over a period of time. For example, an employee may only process a certain exception once or twice a day, but over a month or longer period, if this same exception is occurring, this may point to a need to review that exception and why is occurring so much for that employee or their role.
- Breaking down the exceptions processed by a branch, employee, or overriding employee for instant review of a branch or employee's exception trends.
- Providing real-time data and analysis of exception trends.
- Listing the exceptions per filter by most frequent to less frequent, so the most prevalent exceptions is shown at the top of the query return grid.
- Showing the User both a count and percentage view of the frequency of exceptions per each of the filters.
- Offering the internal audit team an on-demand method to review what is happening across the Financial Institution, without having to request special report runs to be generated.

**Processing:**

The Transaction Exception Trends screen can be accessed from the Security module or the Batch module within DNA.

The application has four query choices: by Institution, by Branch, by Employee, and by Overriding Employee. These four choices allow the User to look for overall Exceptions (exceptions) that are raised across the Financial Institution, or to filter and drill down at the Branch, Employee, or Overriding Employee level to obtain exceptions data at more granular levels.

Once one of these four choices is selected, the User will then select a date range using the Start Date and Thru Date selections to establish a query range. The Thru Date will default to the current Post Date, and the Start Date will default to the value of the current Post Date minus the value of the Number of Back Date Query Days (TEQD) calculation variable.

**Note:** when setting dates for the query, longer date ranges will result in longer query result times.

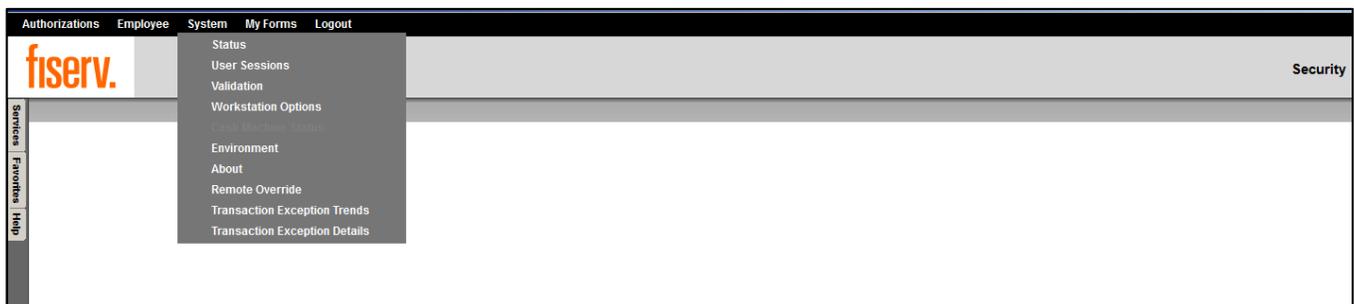
When processed, the query will then return information in a four-column grid. The first row of this grid will act as a summary row, and will list the total number of exceptions selected using the query, based on the criteria selected. The second and subsequent rows will list a count of each exception number in descending order of most frequent to least frequent. Accompanying the count is a field for percentage, to show the User what percentage of the total was for that particular exception.

For example, if the Institution choice was selected for the previous three months, and there were 300 exceptions raised during that time for the Financial Institution, with the 300 among three exceptions – 210 for Insufficient Funds (Exception #3), 60 for Uncollected Funds (Exception #4), and 30 for Management Hold (Exception #87), there would be four rows returned in the results grid.

The top/summary row would show a count of 300 and a percentage of 100.00. The second row would show the exception number 3, a count of 210, and a percentage of 70.00. The third row would show the exception number 4, a count of 60, and a percentage of 20.00. The fourth row would show the exception number 87, a count of 30, and a percentage of 10.00.

The rows can be sorted in reverse order by clicking on the column headings. Note that if this is done, the summary row and the detail rows will also be sorted.

The multiple processing options are shown below. The User first accesses the new screen by logging in to DNA, selecting the Security module, and then selecting System from the toolbar and the new Transaction Exception Trends menu item:



The User will then use one of the four radio button selections and the **Start Date** and **Thru Date** search criteria options.

The default search criterion is by **By Institution**, with a **Start Date** value of the current Post Date minus the value of the Number of Back Date Query Days (TEQD) calculation variable in MM-DD-YYYY format, and a **Thru Date** value of the current Post Date in MM-DD-YYYY format.

The screenshot shows a dialog box titled "Transaction Exception Trends" with a "Search Criteria" section. It contains four radio buttons: "By Institution" (selected), "By Branch", "By Employee", and "By Overriding Employee". Below the radio buttons are two date pickers: "Start Date" with the value "04-18-2018" and "Thru Date" with the value "10-15-2018". To the right of the date pickers are two buttons: "Query" and "Clear". At the bottom left of the dialog box is a "Close" button.

1. If the User selects Search Criteria **By Institution**, the application will count the transaction exceptions occurring between the dates specified in the **Start Date** through **Thru Date** criteria options.

Upon selecting the **Query** button, the resulting results grid will display grouping by transaction exception number, provide a summary in the top row, and then list the exceptions by highest to lowest frequency in the subsequent rows, along with the percentage of the total exception count per exception.

### Transaction Exception Trends

Search Criteria

**Search Criteria**

By Institution  
  By Branch  
  By Employee  
  By Overriding Employee

Start Date » 04-18-2018      Thru Date » 10-15-2018

Query
Clear

Close

Search Result

Exception Number	Exception Description	Number of Exceptions	% of Total
Total Number of Exceptions		64	100
12	Cashbox Cash < 0	10	15.63
94	Allow Critical Account Status Change	7	10.94
222	Transaction is Effective-Dated	6	9.38
127	Cash Transaction Caused Total for Day to Exceed 10000	6	9.38
77	Change Maturity Date On Loan	6	9.38
686	Cash Txn Total for Day over 10000 for Transacting Per...	4	6.25
92	Maturity Date Outside Product Range	4	6.25
186	Payment against Delinquent Loan	3	4.69
89	Change First Payment Due Date	3	4.69
17	Cannot Effective Date Prior to Last Payment	3	4.69
729	Change Reg E Opt In	2	3.13
1074	Assess Regulation DD Service Charge	1	1.56
656	Daily Limit Reached-Multiple withdrawal dollar limit reac...	1	1.56
525	New Balance is less than Minimum Allowed	1	1.56
490	Credit Advance exceeds Threshold	1	1.56
195	Loan disbursement is beyond maturity date	1	1.56
128	Loan is Beyond Maturity Date	1	1.56
74	Change Internal Description on Transaction	1	1.56
58	Error Correct a Transaction	1	1.56

- If the User selects Search Criteria **By Branch**, the application will count the transaction exceptions occurring between the dates specified in the Start Date through Thru Date criteria options for a selected branch. An additional field **Location** with a dropdown list of the Financial Institution branches will become available on the screen, and the User will select from this list to choose the branch they wish to query on.

Upon selecting the Query button, the resulting results grid will display grouping by transaction exception number, provide a summary in the top row, and then list the exceptions by highest to lowest frequency in the subsequent rows, along with the percentage of the total exception count per exception.

### Transaction Exception Trends

**Search Criteria**

**Search Criteria**

By Institution   
  **By Branch**   
  By Employee   
  By Overriding Employee

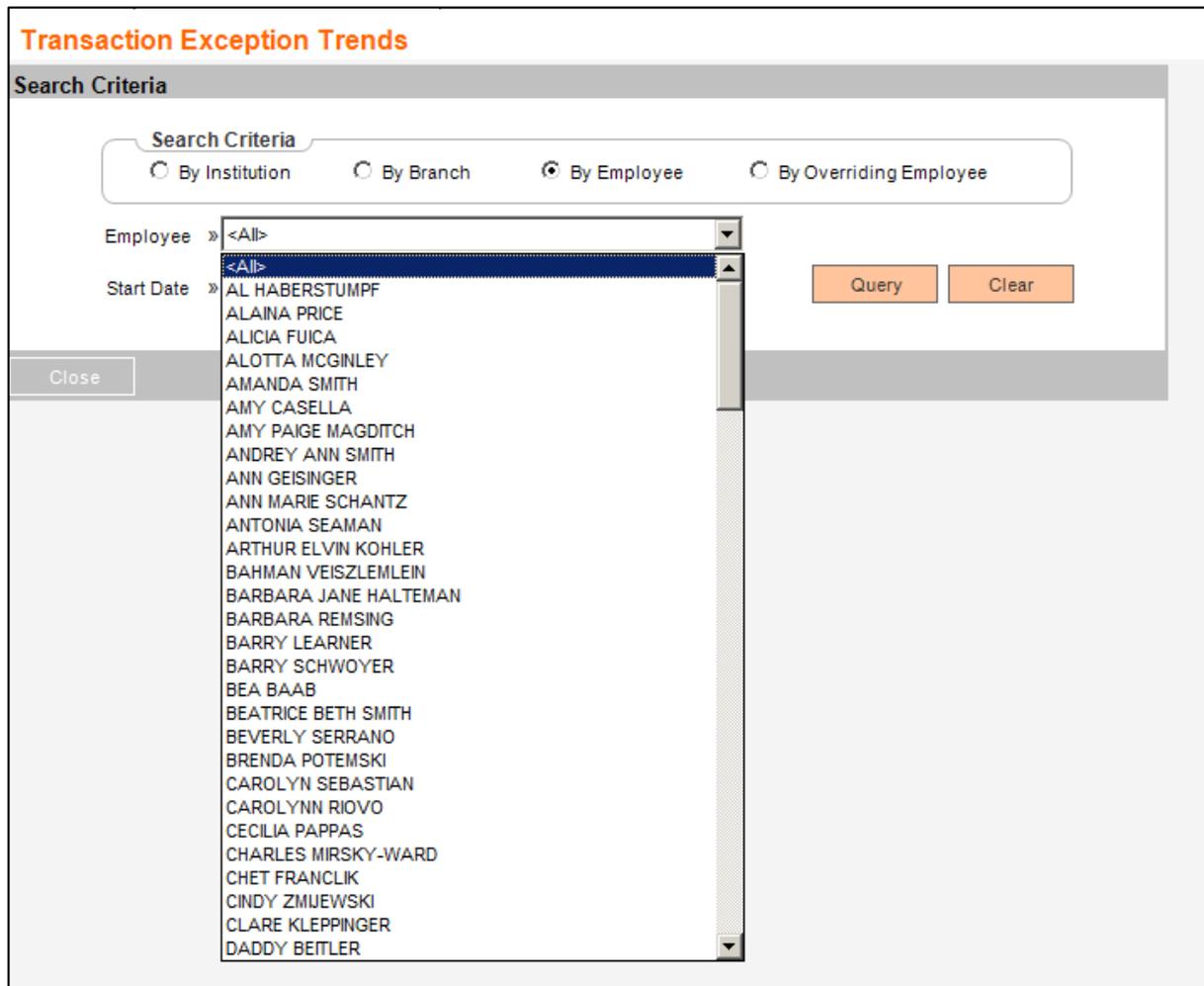
Location » PINELAND BRANCH

Start Date » 04-18-2018    Thru Date » 10-15-2018

Exception Number	Exception Description	Number of Exceptions	% of Total
Total Number of Exceptions		64	100
12	Cashbox Cash < 0	10	15.63
94	Allow Critical Account Status Change	7	10.94
222	Transaction is Effective-Dated	6	9.38
127	Cash Transaction Caused Total for Day to Exceed 10000	6	9.38
77	Change Maturity Date On Loan	6	9.38
686	Cash Txn Total for Day over 10000 for Transacting Per...	4	6.25
92	Maturity Date Outside Product Range	4	6.25
186	Payment against Delinquent Loan	3	4.69
89	Change First Payment Due Date	3	4.69
17	Cannot Effective Date Prior to Last Payment	3	4.69
729	Change Reg E Opt In	2	3.13
1074	Assess Regulation DD Service Charge	1	1.56
656	Daily Limit Reached-Multiple withdrawal dollar limit reac...	1	1.56
525	New Balance is less than Minimum Allowed	1	1.56
490	Credit Advance exceeds Threshold	1	1.56
195	Loan disbursement is beyond maturity date	1	1.56
128	Loan is Beyond Maturity Date	1	1.56
74	Change Internal Description on Transaction	1	1.56
58	Error Correct a Transaction	1	1.56

- 3. If a user selects Search Criteria **By Employee**, the application will count the transaction exceptions occurring between the dates specified in the **Start Date** through **Thru Date** criteria options for a selected employee. An additional field **Employee** with a dropdown list of the Financial Institution employees will become available on the screen, and the User will select from this list to choose the employee they wish to query on.

Upon selecting the **Query** button, the resulting results grid will display grouping by transaction exception number, provide a summary in the top row, and then list the exceptions by highest to lowest frequency in the subsequent rows, along with the percentage of the total exception count per exception.



An Employee is selected:

**Transaction Exception Trends**

**Search Criteria**

Search Criteria

By Institution
  By Branch
  By Employee
  By Overriding Employee

Employee » JOEX BANKER

Start Date » 04-18-2018 Thru Date » 10-15-2018

Query Clear

Close

Results for that employee are then displayed.

**Transaction Exception Trends**

**Search Criteria**

Search Criteria

By Institution
  By Branch
  By Employee
  By Overriding Employee

Employee » JOEX BANKER

Start Date » 04-18-2018 Thru Date » 10-15-2018

Query Clear

Close

**Search Result**

Exception Number	Exception Description	Number of Exceptions	% of Total
	Total Number of Exceptions	64	100
12	Cashbox Cash < 0	10	15.63
94	Allow Critical Account Status Change	7	10.94
222	Transaction is Effective-Dated	6	9.38
127	Cash Transaction Caused Total for Day to Exceed 10000	6	9.38
77	Change Maturity Date On Loan	6	9.38
686	Cash Txn Total for Day over 10000 for Transacting Per...	4	6.25
92	Maturity Date Outside Product Range	4	6.25
186	Payment against Delinquent Loan	3	4.69
89	Change First Payment Due Date	3	4.69
17	Cannot Effective Date Prior to Last Payment	3	4.69
729	Change Reg E Opt In	2	3.13
1074	Assess Regulation DD Service Charge	1	1.56
656	Daily Limit Reached-Multiple withdrawal dollar limit reac...	1	1.56
525	New Balance is less than Minimum Allowed	1	1.56
490	Credit Advance exceeds Threshold	1	1.56
195	Loan disbursement is beyond maturity date	1	1.56
128	Loan is Beyond Maturity Date	1	1.56
74	Change Internal Description on Transaction	1	1.56
58	Error Correct a Transaction	1	1.56

- If a user selects Search Criteria **By Overriding Employee**, the application will count the transaction exceptions occurring between the dates specified in the **Start Date** through **Thru Date** criteria options that a selected employee performed the override on. An additional field **Employee** with a dropdown list of the Financial Institution’s employees will become available on the screen, and the User will select from this list to choose the overriding employee they wish to query on.

Upon selecting the **Query** button, the resulting results grid will display grouping by transaction exception number, provide a summary in the top row, and then list the exceptions by highest to lowest frequency in the subsequent rows, along with the percentage of the total exception count per exception.

Results for that employee are then displayed.

Exception Number	Exception Description	Number of Exceptions	% of Total
<b>Total Number of Exceptions</b>		<b>58</b>	<b>100</b>
12	Cashbox Cash < 0	10	17.24
94	Allow Critical Account Status Change	7	12.07
127	Cash Transaction Caused Total for Day to Exceed 10000	6	10.34
77	Change Maturity Date On Loan	6	10.34
686	Cash Txn Total for Day over 10000 for Transacting Per...	4	6.90
222	Transaction is Effective-Dated	4	6.90
92	Maturity Date Outside Product Range	4	6.90
89	Change First Payment Due Date	3	5.17
17	Cannot Effective Date Prior to Last Payment	3	5.17
1074	Assess Regulation DD Service Charge	1	1.72
656	Daily Limit Reached-Multiple withdrawal dollar limit reac...	1	1.72
525	New Balance is less than Minimum Allowed	1	1.72
490	Credit Advance exceeds Threshold	1	1.72
195	Loan disbursement is beyond maturity date	1	1.72
186	Payment against Delinquent Loan	1	1.72
128	Loan is Beyond Maturity Date	1	1.72
74	Change Internal Description on Transaction	1	1.72
58	Error Correct a Transaction	1	1.72
48	Insufficient Available Credit	1	1.72

The 'No Overriding Employee' is selected. This option allows the User to select exceptions where there was not an Overriding Employee:

This returns all exceptions where the exception was raised but did not require a password to override; the User was able to simply click through to process and complete their activity.

When an employee is selected:

The query will return all the exceptions that employee provided an override for, both their own and for others:

Exception Number	Exception Description	Number of Exceptions	% of Total
Total Number of Exceptions		6	100
729	Change Reg E Opt In	2	33.33
222	Transaction is Effective-Dated	2	33.33
186	Payment against Delinquent Loan	2	33.33

## Application Messages

The system will display the following exception messages when application exceptions occur.

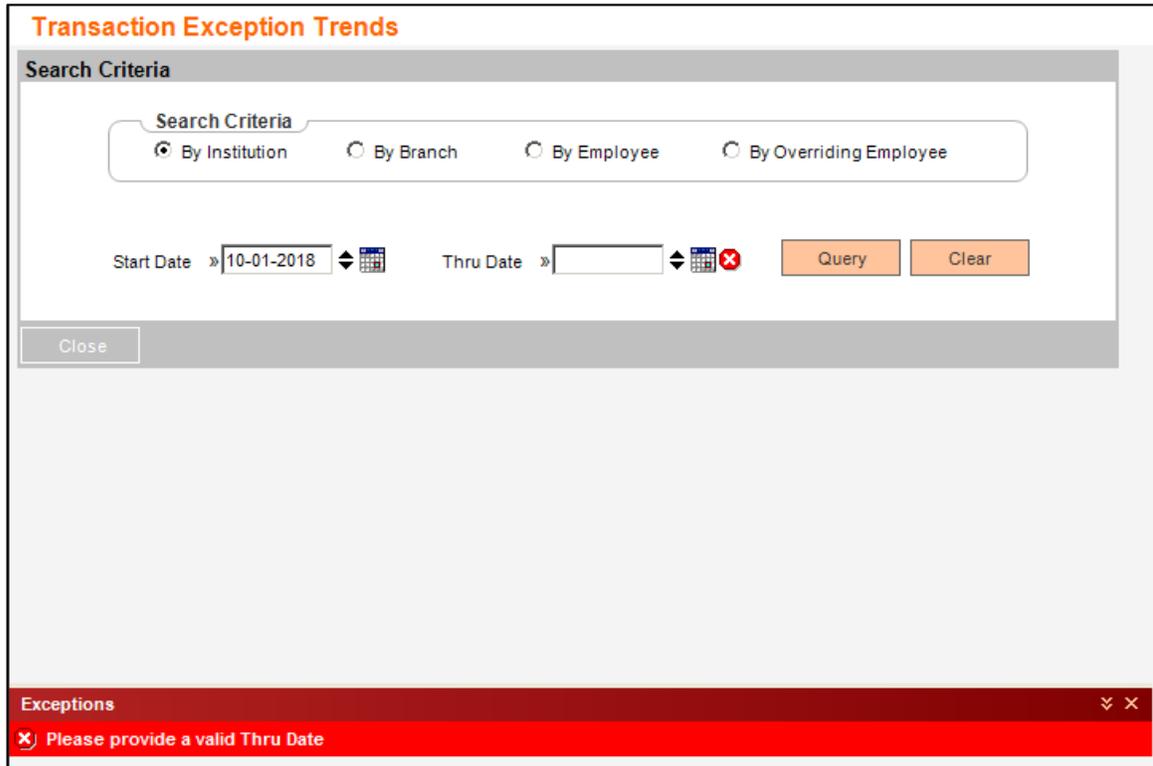
Note: when the OK button on an exception message is clicked, the cursor will return to the date field that caused the exception. At this point the date can be corrected or the Clear button may be selected. When clicked, the Clear button will change the Start and Thru Dates back to the default values from the calculated Start and Thru Dates as calculated by the current post date and the TEQD calculation variable value, and return the default selection to the By Institution radio button.

If there are two exceptions possible (i.e. both the Start and Thru Date values are valid dates but outside the allowed calculated reporting period), only one exception message will be displayed at a time. The User will need to address the first exception message and if a valid value is entered to satisfy that exception, upon selecting the Query button again, the second exception message may be raised. Selection of the Clear button after clicking OK on any exception message will always set the default values back (as stated above) and ensure there are no secondary exception messages.

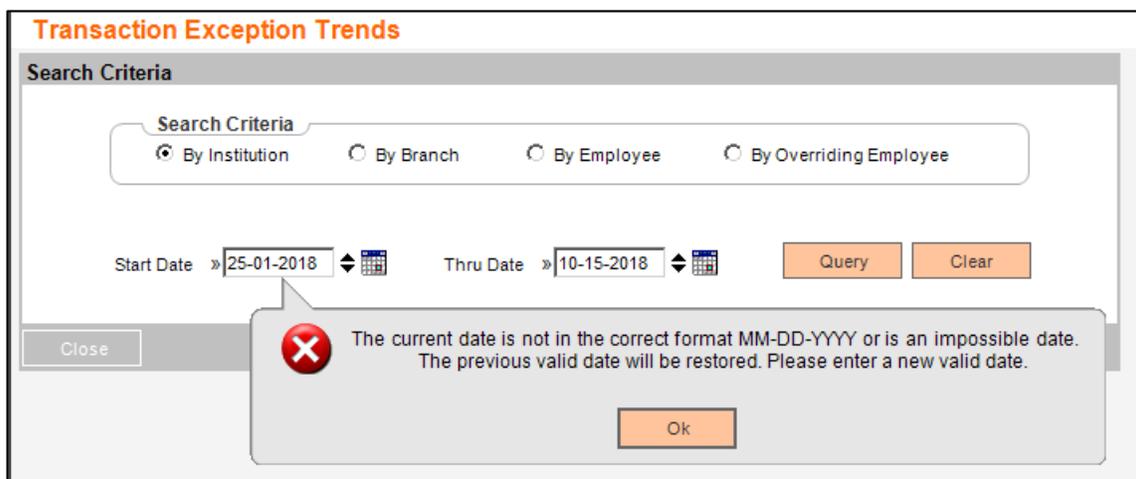
- If the User clears either the Start or Thru Date values (or both), and attempts to run a query with either or both of these parameters with no value, the application will display system error messages advising the User to provide a valid value. An example is shown below for a missing Start Date value:

The screenshot displays the 'Transaction Exception Trends' application interface. At the top, the title 'Transaction Exception Trends' is shown in orange. Below it is a 'Search Criteria' dialog box with a grey header. Inside the dialog, there are four radio buttons for search criteria: 'By Institution' (selected), 'By Branch', 'By Employee', and 'By Overriding Employee'. Below the radio buttons, there are two date input fields: 'Start Date' and 'Thru Date'. The 'Start Date' field is empty, while the 'Thru Date' field contains '10-15-2018'. To the right of the date fields are 'Query' and 'Clear' buttons. A 'Close' button is located at the bottom left of the dialog box. At the bottom of the application window, a red error message banner is visible, stating 'Exceptions' and 'Please provide a valid Start Date'.

And another example where the Thru Date values have been removed:

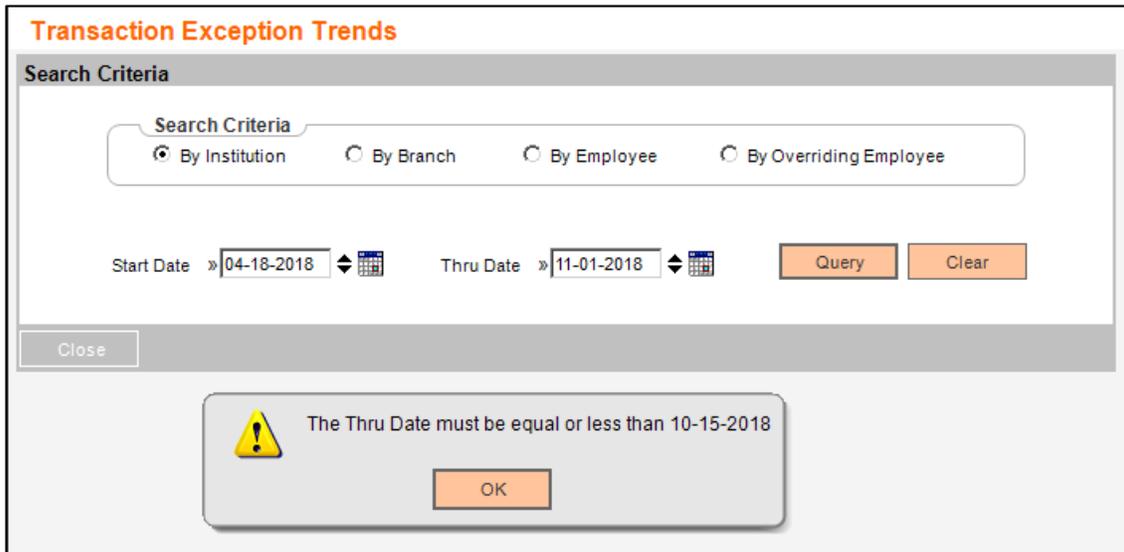


- If the User attempts to enter an incorrect date format, the system will display a pop-up exception message “The current date is not in the correct format MM-DD-YYYY or is an impossible date. The previous valid date will be restored. Please enter a new valid date.”



- If the User attempts to select a Thru Date value of a date greater than the current Post Date, the system will display a pop-up exception message “The Thru Date must be equal or less than MM-DD-YYYY”, where MM-DD-YYYY is the current Post Date.

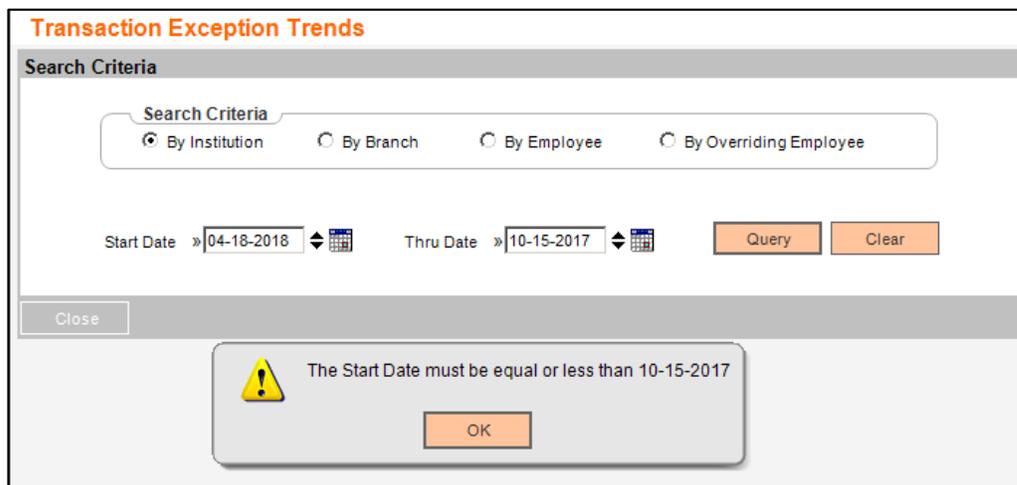
Example: System Post Date is 09-24-2018. If the User selects a Thru Date of greater than 09-24-2018, the following message is raised:



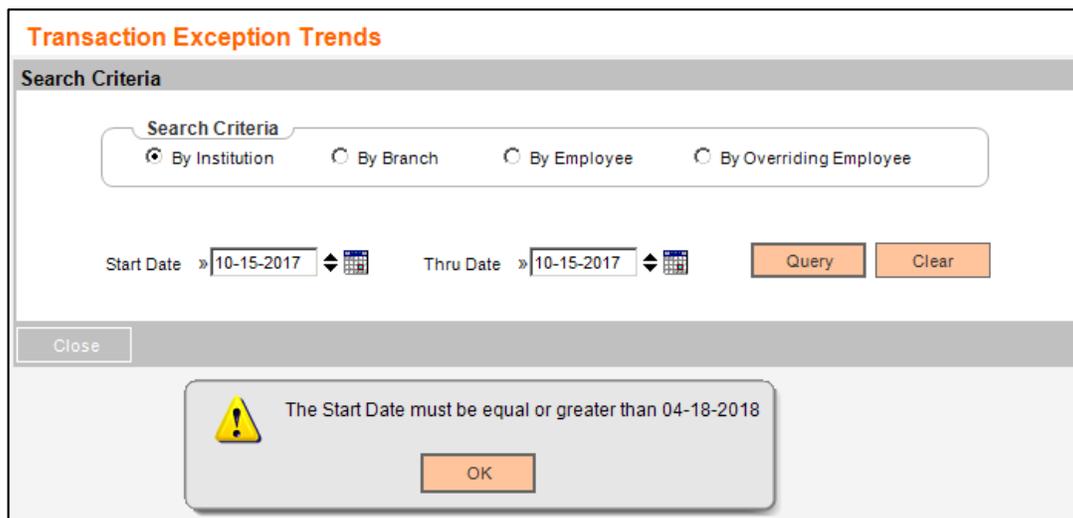
- If the User attempts to select a Start Date that is equal to or greater than the Calculated Start Date, and also selects a Thru Date value that is less than the Calculated Start Date, the system will display a pop-up exception message “The Start Date must be equal or less than MM-DD-YYYY”, where MM-DD-YYYY is the Thru Date value entered.

*Note: although the Thru Date value is outside the allowable limit established by the Calculation Variable value, the application will always check the logic on the Start Date value first to determine if there is an exception.*

Example: System Post Date is 10-15-2018, the TEQD variable has a value of 180, and a Start Date of 04-18-2018 is entered. If the User selects a Thru Date of 10-15-2017, the following message is raised:



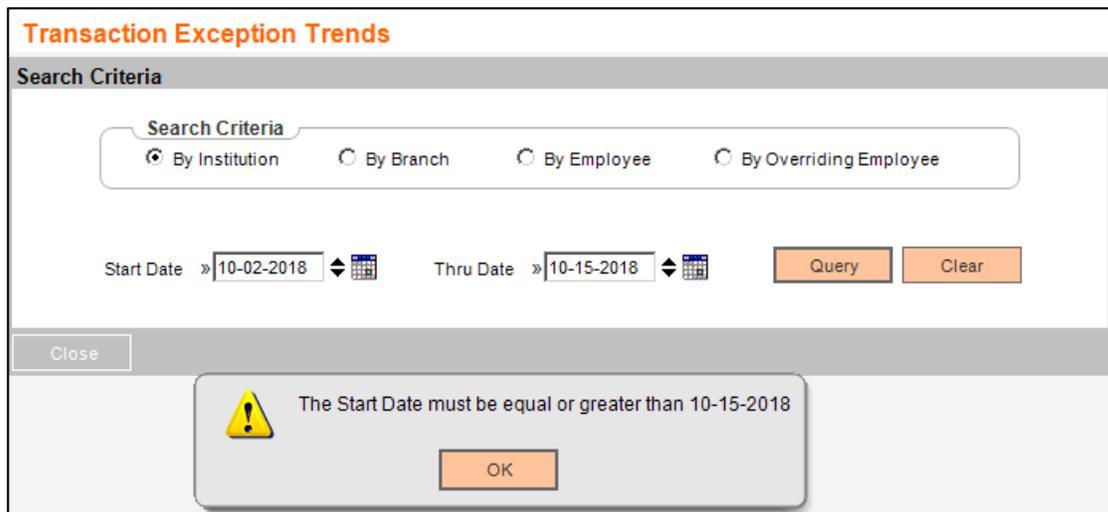
If the User then adjusts the Start Date value to be 10-15-2017 per the exception message, if Query is then selected, the following exception message will be raised:



This is due to the logic being set to check the Start Date value first, as the application is designed to guide the User back toward using a valid Start Date. However, if the User changes the value of the Start Date to 03-28-2018 per this second exception message, they will receive the first exception message again, as the Thru Date value is still at 09-24-2017 and the validation is looking for the Start Date to always be equal to or less than the Thru Date.

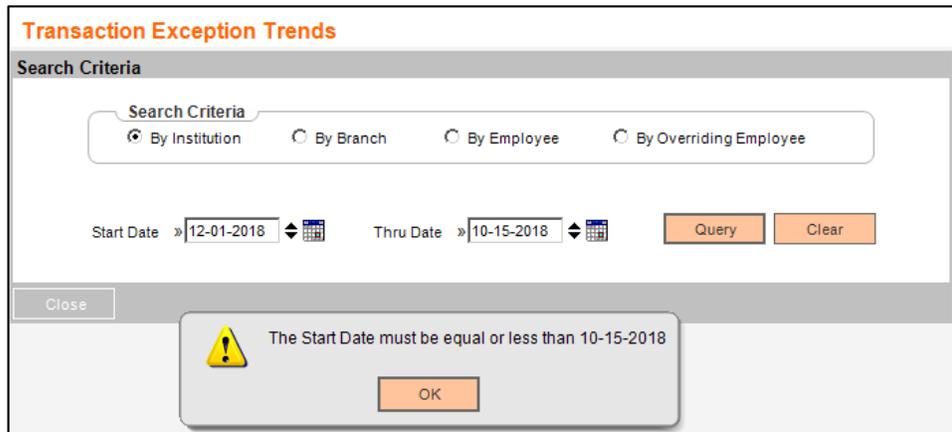
- If the User attempts to select a Start Date value that will set a date range that is outside the range of the value of the calculation variable Number of Back Query Days (TEQD), the system will display a pop-up exception message “The Start Date must be equal or greater than MM-DD-YYYY”, where MM-DD-YYYY is the Post Date value minus the value of the Number of Back Query Days (TEQD) variable.

Example: System Post Date is 10-15-2018, Thru Date is 10-15-2018, and the Number of Back Query Days (TEQD) is Null or 0, making the minimum Start Date value 10-15-2018. If the User selects a date less than 10-15-2018 for the Start Date, such as 10-02-2018, the following message is raised:



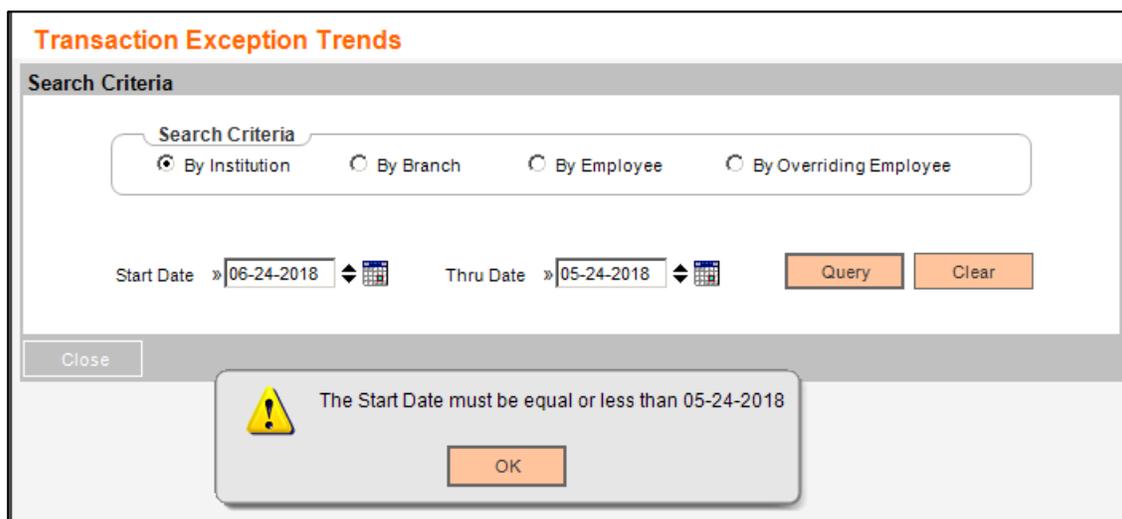
- If the User attempts to select a Start Date value of a date greater than the Thru Date and the Thru Date is equal to the Post Date, the system will display a pop-up exception message “The Start Date must be equal or less than MM-DD-YYYY”, where MM-DD-YYYY is the Post Date.

Example: System Post Date is 10-15-2018, Thru Date is 10-15-2018, and the User selects a date of 12-01-2018 for the Start Date. The following message is raised:



- If the User attempts to select a Start Date value of a date greater than the Thru Date and the Thru Date is less than the Post Date, but both Date values are within the allowed Calculated Date timeframe, the system will display a pop-up exception message “The Start Date must be equal or less than MM-DD-YYYY”, where MM-DD-YYYY is the Thru Date.

Example: System Post Date is 10-15-2018, the TEQD variable days are set at 180, and the User selects a Start Date of 06-24-2018 and a Thru Date of 05-24-2018. The following message is raised:



**Variables:**

## Calculation Type:

A calculation type under the calculation category 'TRXP' is required to associate the variables to the application. This calculation type is set at the system institution level only, with no product or account level functionality.

Calculation Type	Code	Description (how used)	MjMiYN
Transaction Exception Trends	TEXC	This Calculation Type will be used for associating the calculation variable Number of Back Date Query Days (TEQD).	N

The following Calculation Variable stores the number of days and is used to set a limit on how far back a query may go from the current Post Date.

Variable	Code	Description (how used)	Data Type	Default
Number of Back Date Query Days	TEQD	<p>Maximum number of days allowed for historical search criteria backdated from the current Post Date.</p> <p>This is a system institution-level variable that sets a historical date limit on how long the search period can be for a query.</p> <p>This is so a User does not inadvertently select a long reporting period such as several years that will result in a long query run time/possible timeout.</p>	NUM	180

The Variable Number of Back Date Query Days (TEQD) is associated at the system institution level with Calculation Type 'TEXC' (Transaction Exception Trends)

Navigation for inquiry and maintenance of this variable's value is shown below:

Services > System > Institution > Variables > Transaction Exception Trends

**Variables**

**Selection Criteria** ⌵

Calculation Type **Transaction Exception Trends** ⌵  Show History

**System Variables** ⌵

Type Description	Variable Description	Value
Transaction Exception Tre...	Number of Back Date Quer...	180

Auto Hide **Edit**

**Screens:**

**Navigation**

Security Module > System > Transaction Exception Trends

Batch Module > System > Transaction Exception Trends

System Module > System > Transaction Exception Trends

**Screen Appearance:**

### Transaction Exception Trends

**Search Criteria**

Search Criteria

By Institution  
  By Branch  
  By Employee  
  By Overriding Employee

Start Date » 04-18-2018     
 Thru Date » 10-15-2018

Query
Clear

Close

**Search Result**

Exception Number	Exception Description	Number of Exceptions	% of Total
Total Number of Exceptions		64	100
12	Cashbox Cash < 0	10	15.63
94	Allow Critical Account Status Change	7	10.94
222	Transaction is Effective-Dated	6	9.38
127	Cash Transaction Caused Total for Day to Exceed 10000	6	9.38
77	Change Maturity Date On Loan	6	9.38
686	Cash Txn Total for Day over 10000 for Transacting Per...	4	6.25
92	Maturity Date Outside Product Range	4	6.25
186	Payment against Delinquent Loan	3	4.69
89	Change First Payment Due Date	3	4.69
17	Cannot Effective Date Prior to Last Payment	3	4.69
729	Change Reg E Opt In	2	3.13
1074	Assess Regulation DD Service Charge	1	1.56
656	Daily Limit Reached-Multiple withdrawal dollar limit reac...	1	1.56
525	New Balance is less than Minimum Allowed	1	1.56
490	Credit Advance exceeds Threshold	1	1.56
195	Loan disbursement is beyond maturity date	1	1.56
128	Loan is Beyond Maturity Date	1	1.56
74	Change Internal Description on Transaction	1	1.56
58	Error Correct a Transaction	1	1.56

**Field Listing:**

Field	Description
<b>Search Criteria</b>	
By Institution (radio button)	Option to allow the User to select all Exceptions for the Financial Institution between the dates specified in the Start and Thru Date fields.
By Branch (radio button)	Option to allow the User to select all Exceptions for a selected Branch between the dates specified in the Start and Thru Date fields. This option will bring up an additional Location field where the User can select the Branch from a drop down list.
By Employee (radio button)	Option to allow the User to select all Exceptions for the Financial Institution for a selected Employee between the dates specified in the Start and Thru Date fields. This option will bring up an additional Employee field where the User can select the Employee from a dropdown list.
By Overriding Employee (radio button)	Option to allow the User to select all Exceptions for the Financial Institution for a selected Overriding Employee between the dates specified in the Start and Thru Date fields. This option will bring up an additional Employee field where the User can select the Overriding Employee from a drop down list
Start Date	<p>A date field that allows the User to enter the Query period beginning date, entered in the format MM-DD-YYYY or by using the provided calendar icon to the right of the field and selecting the desired date from this calendar. The Start Date will default to the current system Post Date minus the value of the Number of Back Date Query Days (TEQD) calculation variable.</p> <p>The Start Date has a restriction in that the value cannot be less than the current Post Date minus the value of the Number of Back Date Query Days (TEQD) variable. Even if a User selects a Thru Date that is less than the current Post Date, the restriction in the Start Date will not change; it will not “move back” to accommodate the earlier date request.</p>
Thru Date	A date field that allows the User to enter the Query period ending date, entered in the format MM-DD-YYYY or be using the provided calendar icon to the right of the field and selecting the desired date from this calendar. The Thru Date will default to the current system Post Date.
Location	When the Branch radio button is selected, this field will become available and the Financial Institution’s branches will be available for selection in the dropdown menu. The branches will be listed in name order, with <All> as the starting option in the selection.
Employee	When the Employee radio button is selected, this field will become available and the Financial Institution’s employees will be available for selection in the dropdown menu. The employees will be listed by First Name Last Name, with <All> as the starting option in the selection.

Field	Description
Employee	<p>When the Overriding Employee radio button is selected, this field will become available and the Financial Institution's employees will be available for selection in the dropdown menu. The employees will be listed by First Name Last Name, with &lt;All&gt; as the starting option in the selection.</p> <p>There is an additional selection value immediately below the &lt;All&gt; starting option, &lt;No Overriding Employee&gt;. This value will isolate Exceptions that were raised but only required the User to click through without requiring them to type in their password.</p>
Query (button)	Will start the DNA database query run process based on the selection criteria entered from the preceding selection criteria and return the output in the query results data grid.
Clear (button)	<p>When clicked prior to the Query button being selected, will reset the Start and Thru Dates to the default values, and return the default selection to the By Institution radio button.</p> <p>When clicked after the Query button has been selected and data has been returned, will clear the results grid and return the Start and Thru Dates to the default values, and return the default selection to the By Institution radio button.</p>
Close (button)	When clicked, the screen will close.
<b>Query Results (Top Row, which is a summary row)</b>	
Exception Number	Will be <b>NULL</b>
Exception Description	Total Number of Exceptions is displayed.
Number of Exceptions	Count of Exceptions for all Exceptions by the criteria selected and in the query data range.
% of Total	% of total Exceptions by the criteria selected and in the query data range - this will always be 100.00.
<b>Query Results (Subsequent Rows)</b>	
Exception Number	DNA System Exception Number
Exception Description	Description of the DNA System Exception Number, taken from the Description for each Exception Number in the Exception system table.
Number of Exceptions	<p>Count for each Exception Number, displayed in descending order from highest count per Exception Number to lowest count of Exception Number.</p> <p>Where the count of the individual Exception Number is the same (i.e. 3 Exception Numbers each have a count of 10, so they have equal counts and percentages), they will be displayed in Exception Number order, high to low. Exception Number 10 would be ahead of Exception Number 3.</p>

Field	Description
% of Total	<p>% of total Exceptions, displayed in descending order from highest % per Exception Number to lowest % of Exception Number.</p> <p><b>Note:</b> The % per Exception Number will round to the nearest hundredth, so it is possible the total of all the individual rows may be slightly less or more than the summary of 100.00%. An example would be if there was a total of 3 Exceptions, 1 for each of 3 Exception Numbers – each would have a % of 33.33 with rounding, so the sum of all three would be 99.99, while the summary row would display 100.00.</p>

**Additional Requirements:**

DNA 4.4.1 or higher.

The Transaction Exception Trends screen is assigned to the *SECM – Security Module* Auth Item for security authorization. Users of this application will require access to this Auth Item within their user profile.

**Configuration Checklist:**

Item	Test Environment	Production Environment
User Access – ensure Users have the Auth Item <i>SECM – Security Module</i> in their DNA Authorization Profile with the appropriate auth permissions (generally View)		
Set value of the Number of Back Query Days (TEQD) calculation variable.		

**Revisions:**

Date	App Version #	Change
01/2020	1.5.0.0	Updated code with performance tuning for initial screen load process. Clients with larger databases had long wait times when the screen was first launched and the dropdown menus were bring populated with the information to be used in the queries. The update accelerates this process.
10/2018	1.4.0.0	Updated code with performance tuning to make the application queries run faster.
08/2013	1.3.0.0	Updated code and User Manual based on validation feedback.
08/2013	1.2.0.0	Updated code and User Manual based on validation feedback.
07/2013	1.1.0.0	Updated code and User Manual based on validation feedback.
07/2013	1.0.0.0	Application Created.