Oracle Financial Services Cash Flow Edits Process

User Guide

Release 22.09.01

September 2022

ORACLE
Financial Services

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Cash Flow Edits Process

Document Control

Version Number	Revision Date	Change Log
1.0	June 2022	Created the first draft of the document
2.0	September 2022	Updated document for Download option

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Topics:

- Get Help in the Applications
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1.1   Get Help in the Applications

Use Help icons to access help in the application.

Note that not all pages have Help icons. You can also access the Oracle Help Center to find guides and videos.

1.1.1   Additional Resources

- Community: Use Oracle Cloud Customer Connect to get information from experts at Oracle, the Partner Community, and other users.
- Training: Take courses on Oracle Cloud from Oracle University.

1.2   Learn About Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program. Videos included in this guide are provided as a media alternative for text-based topics also available in this guide.

1.3   Get Support

You can get support at My Oracle Support.

For accessible support, visit Oracle Accessibility Learning and Support.

1.4   Get Training

Increase your knowledge of Oracle Cloud by taking courses at Oracle University.

1.5   Join Our Community

Use Cloud Customer Connect to get information from industry experts at Oracle and in the Partner Community. You can join forums to connect with other customers, post questions, and watch events.

1.6   Share Your Feedback

We welcome your feedback about Oracle Applications User Assistance. If you need clarification, find an error, or just want to tell us what you found helpful, we did like to hear from you.

You can email your feedback to My Oracle Support.

Thanks for helping us improve our User Assistance!

1.7   Before You Begin

Refer to following Documents:

- See What's New
- Get started with Cash Flow Engine Cloud Service
- Take a quick tour

2   Cash Flow Edits Process

This module discusses the procedure for validating and cleansing your Instrument Table Data before you process it to generate Cash Flow-based results. The Cash Flow Edits Process allows you to verify the accuracy and check the completeness of your Instrument Table Data.

Topics

- Cash Flow Edits Process Summary Page
- Search Cash Flow Edits Process
- Create Cash Flow Edits Process
- Execute Cash Flow Edits Process
- View Cash Flow Edits Process Execution Details

2.1   Cash Flow Edits Process Summary Page

This page is the gateway to all Cash Flow Edits Processes and related functionality. You can navigate to other pages relating to Cash Flow Edits Process from this point.

The **Cash Flow Edits Process Summary** Page displays the following column:

Table: Cash Flow Edits Process – Fields and Descriptions

Field	Description
Process ID	Displays the Process ID of Cash Flow Edits Process.
Name	Displays the Cash Flow Edits Process's short name.
Folder	Displays the Folder name where Cash Flow Edits Process is saved.
Access Type	Displays the access type of Process. It can be Read-Only or Read/Write.
Status	Displays the status of the Process.
Last Run By	Displays the Name of the user who last runs the Cash Flow Edits Process.
Last Run Date	Displays the Date and Time when Cash Flow Edits Process was run last.

Field	Description
Action	Displays the list of actions that can be performed on the Cash Flow Edits Process. For more information, see Cash Flow Edits Process – Icons and Descriptions.

The **Action** column on **Cash Flow Edits Process Summary** Page offers several actions that allow you to perform different functions. The following actions are available for the Cash Flow Edits Process Rule.

Table: Cash Flow Edits Process – Icons and Descriptions

Field	Description
Add	Click Add icon to build a new Cash Flow Edits Process.
View/Edits	Click ••• in the **Action** column and select View/Edits to view or Edits the contents of a Cash Flow Edits Process in read/write format.
Save As	Click ••• in the **Action** column and select Save As to create a copy of an existing Cash Flow Edits Process
Delete	Click ••• in the **Action** column and select Delete to delete an existing Cash Flow Edits.
Execute	Click ••• in the **Action** column and select **Execute** to execute an existing Cash Flow Edits Process. After clicking **Execute**, the **Run Parameter Execution** Window is displayed. Select **As of Date** (Execution Date) and **Legal Entity**, and then click **Run**. For more information, see Executing Cash Flow Edits Processes section.
Execution Details	Click ••• in the **Action** column and select **Execute Details** to view execution details of the Cash Flow Edits Process.

You must create and run Cash Flow Edits processes on your Instrument Table Data before you submit Cash Flow Engine based rules for processing.

2.2 Search Cash Flow Edits Process

Search for a Cash Flow Edits Process to perform any of the following tasks:

- View

- Edits

- Copy

- Delete

- Refresh

Prerequisites

Predefined Cash Flow Edits Process

Procedure

To search for a new Cash Flow Edits Process, follow these steps:

1. Navigate to the **Cash Flow Edits Process Summary** Page.

2. Enter the **Name, Description,** or **Folder** of the Cash Flow Edits Process and click

   Search $\mathbb{Q}$. Only Cash Flow Edits Process that match the search criteria are displayed.

2.3 Create Cash Flow Edits Process

Creating a Cash Flow Edits Process is a one-step process. You define both the attributes that uniquely describe a particular Cash Flow Edits Process and the data to be validated or cleansed by that process on the Create Cash Flow Edits Process Page.

1. Navigate to the **Cash Flow Edits Process** Summary Page.

2. Click the **Add** icon. The **Create Cash Flow Edits Process** Page is displayed.

3. Enter the process details as shown in the following table:

Table: List of Process details used for Creating Cash Flow Edits Process

Field	Description
Name	Enter the name of the Cash Flow Edits Process.
Description	Enter the description of the Cash Flow Edits Process.

Field	Description
Preview Mode	Selecting this parameter allows you to view the results of running a Cash Flow Edits Process before the system updates the underlying records in the Instrument tables. The default value of this parameter is checked.
Folder	Enter the Folder details where Cash Flow Edits Process needs to be saved.
Access Type	Select the Access Type as Read-Only or Read/Write.

4. Click Next to navigate to the **Cash Flow Edits Process** Section.

5. Enter the Cash Flow Edits Process details shown in the following table:

Table: List of Cash Flow Edits details used for Creating Cash Flow Edits Process

Field	Description
Group	Select the group of Cash Flow Edits Rules that you want to include in the process. For example, Cash Flow
Sub Group	Select the sub group of Cash Flow Edits Rules that you want to include in the process. The value of this field varies based on the selected Group. The list of Rule IDs with conditions is displayed.

The details of the process for the selected group and sub-group are listed on the screen for reference.

6. Click **Next** to navigate to the **Source Data** Section.

7. Enter the Source Data details as shown in the following table:

Table: List of Source Data details used for Creating Cash Flow Edits Process

Field	Description
Data Source	This field allows you to select the Instrument tables that must be included in a Cash Flow Edits Process.
Data Filter Folder	Select the Folder from which you want to apply Data Filter.

Field	Description
Data Filter	This field allows you to select a subset of data for processing by selecting a filter that was previously created.

8. Click Next to navigate to the **Freeze Process** Section.

9. Click **Save** on the **Freeze Process** Window after verifying all the details.

10. The Cash Flow Edits Process is saved and the Summary Page is displayed.

2.4 Executing Cash Flow Edits Process

Execute a Cash Flow Edits Process to check the accuracy and the completeness of your Instrument Table Data. When run in **Preview Mode**, you can view the results of running a Cash Flow Edits Process by querying the FSI_O_CFE_EDITS_MESSAGES_HIST table for generated errors before the system updates the underlying records in the Instrument tables.

You can execute Cash Flow Edits Process using following methods:

- Cash Flow Edits Process UI
- Scheduler Service

2.4.1 Using Cash Flow Edits Process UI

To execute the Cash Flow Edits Process, follow these steps:

1. Navigate to the **Cash Flow Edits Process Summary** Page.

2. Search for a process.

3. Click ••• in the **Action** column and select **Execute** to execute an existing Cash Flow Edits Process. The **Run Parameter Execution** Window is displayed.

4. Select the **As of Date (Execution Date)** and **Legal Entity**, and then click **Run**.

5. The Cash Flow Edits Run Confirmation Page is displayed. The status of the process is displayed in the **Status** Column. After completion of the process, you can navigate to the **Execution Details** Page by selecting the **Execution Details** option under the **Action** Column.

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| NOTE | You can view the results of running a Cash Flow Edits Process before the system updates the underlying records in the Instrument tables, provided you selected Preview Mode while defining it. If the Process runs in **Preview Mode**, query the FSI_O_CFE_EDITS_MESSAGES_HIST table for any generated errors. Messages can also be downloaded from Execution Details page. |

2.4.2   Using Scheduler Service

A batch with following details gets automatically created when Cash Flow Edits Process is saved:

- **Code:** Process Id of Cash Flow Edits Process
- **Name:** Name of Cash Flow Edits Process
- **Description:** Description of Cash Flow Edits Process

To execute the batch, navigate to **Operations and Processes** , select **Scheduler**, and then select **Schedule Batch**.

You can also define new batch to execute any Cash Flow Edits Process by following these steps:

1. Navigate to **Operations and Processes**, select **Scheduler**, and then select **Define Batch**.

2. Define a new batch.

3. Enter the **Batch Name** and **Description**, and then Save the batch.

4. To add a task, navigate to **Define Task**.

5. Select the Batch from the **Batch** drop-down list on the **Define Task** Window.

6. Click the **Add** button.

7. Define the task with below details:

    - **Task Code:** This can be same as the Process Id of Cash Flow Edits Process or something else

    - **Task Name:** This can be same as name of the Cash Flow Edits Process or something else

    - **Task Description:** This can be same a name of the Cash Flow Edits Process or something else

    - **Task Type:** REST

- **Component:** Cash Flow Edits

- **Process Name:** Select one value from the list

- **Legal Entity Hierarchy:** Select one value from the list

- **Legal Entity:** Select one value from the list

8. Save and Execute the batch with **Batch ID** and **MIS Date**.

For more information, see the [Scheduler Service](#).

2.5 Viewing Execution Details of Cash Flow Edits Process

To view the execution details of the Cash Flow Edits Process, follow these steps:

1. Navigate to the **Cash Flow Edits Process Summary** Page.

2. Search for a Process.

3. Click ••• in the **Action** column and select **Execution Details**. The **Execution Details** window is displayed.

4. Click any **Execution ID** to view the log details. The **Log Viewer** Window shows the complete details of process along with Batch Run ID Information.

5. Click **Download** to export the details of cash flow edits in csv format. This will help you to understand errors found in instrument data

6. If process is executed in 'Non-preview' mode then records which are modified by Cash Flow Edits Process can be identified by looking at columns CF_EDITS_BATCH_RUN_ID and UPDATED_BY_CF_EDITS in instrument processing table.

2.5.1 Cash Flow Edits Process Errors

NOTE	• **Error:** Engine does not process, however sometimes default value can get used for calculations.
	• **Warning:** Engine may use the default value or given wrong data for calculation, results may be incorrect.
	• **Info:** Does not impact any processing but results may not be as expected.

The table stores error messages generated by the engine.

Table: List of Error Codes for Cash Flow Edits

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
1	(AMRT_TYPE_CD <> 700 OR (amrt_type_cd = 700 AND amrt_term <> 0)) AND (CASE amrt_term_mult WHEN 'Y' THEN amrt_term * 365 WHEN 'M' THEN amrt_term * 30.41667 ELSE amrt_term END) < (CASE org_term_mult WHEN 'Y' THEN org_term * 365 WHEN 'M' THEN org_term * 30.41667 ELSE org_term END) THEN 'P' ELSE 'F' END	Amortization term can only be equal to zero on Non-Amortizing instruments	AMRT_TERM = ORG_TERM and AMRT_TERM_MULT = ORG_TERM_MULT	Original Term > Amortization Term	Warning	
2	(ORIGINATION_DATE < AS_OF_DATE and CUR_PAR_BAL is not NULL and ORG_PAR_BAL is not NULL and CUR_PAR_BAL = ORG_PAR_BAL)	Instrument has originated in past but Current Par Balance and Original Par Balance are equal		Current Par Balance = Original Par Balance	Warning	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
3	(ORIGINATION_DATE < AS_OF_DATE and DEFERRED_CUR_BAL is not NULL and DEFERRED_ORG_BAL is not NULL and DEFERRED_CUR_BAL = DEFERRED_ORG_BAL)	Instrument has originated in past but Deferred Current Balance and Deferred Original Balance are equal		Deferred Current Balance = Deferred Original Balance	Warning	
4	(CUR_GROSS_RATE is NULL or CUR_GROSS_RATE < 0)	Current gross rate is negative		Current Gross Rate < 0	Info	
5	(CUR_NET_RATE is NULL or CUR_NET_RATE < 0)	Current net rate is negative		Current Net Rate < 0	Info	
6	(ACCRUAL_BASIS_CD is NULL or ACCRUAL_BASIS_CD <1 or ACCRUAL_BASIS_CD >7)	Accrual basis code must be between 1 and 7 inclusively	ACCRUAL_BASIS_CD = 3	Invalid Accrual Basis	Warning	
7	(AMRT_TYPE_CD is NULL or AMRT_TYPE_CD not in (100, 400, 600, 700, 710, 800, 801, 802, 820, 840, 850, 10, 20))	Amortization type must be a valid OFSAA code	AMRT_TYPE_CD = 700	Invalid Amortization Type	Warning	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
8	(AMRT_TYPE_CD = 20 and (PMT_PATTERN_CD is null or PMT_PATTERN_CD <= 0))	Amortization type is Payment Pattern but Payment Pattern Code is invalid	AMRT_TYPE_CD = 700	Invalid Payment Pattern	Warning	
9	(AMRT_TYPE_CD = 20 and PMT_PATTERN_CD is not null and PMT_PATTERN_CD > 0 and PMT_PATTERN_CD not in (select AMRT_TYPE_CD from fsi_payment_pattern))	Amortization type is Payment Pattern but Payment Pattern definition does not exist	AMRT_TYPE_CD = 700	Invalid Payment Pattern	Warning	
10	(AMRT_TYPE_CD = 10 and (BEHAVIOUR_PATTERN_CD is null or BEHAVIOUR_PATTERN_CD <= 0))	Amortization type is Behaviour Pattern but Behaviour Pattern Code is invalid	AMRT_TYPE_CD = 700	Invalid Behaviour Pattern	Warning	
11	(AMRT_TYPE_CD = 10 and BEHAVIOUR_PATTERN_CD is not NULL and BEHAVIOUR_PATTERN_CD > 0 and BEHAVIOUR_PATTERN_CD not in (select PATTERN_CD from fsi_behaviour_pattern_master))	Amortization type is Behaviour Pattern but Behaviour Pattern definition does not exist	AMRT_TYPE_CD = 700	Invalid Behaviour Pattern	Warning	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
12	(AMRT_TYPE_CD in (800, 801, 802) and NOT EXISTS (select 1 from FSI_D_Payment_Schedule WHERE FSI_D_Payment_Schedule.ID_NUMBER= SOURCE_TABLE.ID_NUMBER AND FSI_D_Payment_Schedule.IDENTITY_CODE = SOURCE_TABLE.IDENTITY_CODE AND FSI_D_Payment_Schedule.INSTRUMENT_TYPE_CD = SOURCE_TABLE.INSTRUMENT_TYPE_CD))	Cannot find record with matching ID Number, Identity Code and Instrument Type Code in Payment Schedule table	AMRT_TYPE_CD = 700	Invalid Payment schedule data	Warning	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
13	(AMRT_TYPE_CD in (800, 801, 802) and ORIGINATION_DATE > (select max(PAYMENT_DATE) from FSI_D_Payment_Schedule WHERE FSI_D_Payment_Schedule.ID_NUMBER=SOURCE_TABLE.ID_NUMBER AND FSI_D_Payment_Schedule.IDENTITY_CODE = SOURCE_TABLE.IDENTITY_CODE AND FSI_D_Payment_Schedule.INSTRUMENT_TYPE_CD = SOURCE_TABLE.INSTRUMENT_TYPE_CD))	Origination Date is greater than highest date in Payment Schedule	AMRT_TYPE_CD = 700	Invalid Payment schedule data	Warning	
14	(AMRT_TERM_MULT is NULL or AMRT_TERM_MULT not in ('D', 'M', 'Y'))	Amortization term multiplier must be D, M, or Y	AMRT_TERM_MULT = M	Invalid Amortization Term Multiplier	Warning	
15	(AMRT_TYPE_CD = 600 AND (NEG_AMRT_EQ_MULT is NULL or NEG_AMRT_EQ_MULT not in ('D', 'M', 'Y')))	Negative Amortization Equalization Frequency multiplier must be D, M, or Y	NEG_AMRT_EQ_MULT = M	Invalid Negative Amortization Equalization Frequency Multiplier	Warning	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
16	(AMRT_TYPE_CD = 600 and (NEG_AMRT_LIMIT is NULL or NEG_AMRT_LIMIT >=200 or NEG_AMRT_LIMIT < 0))	Negative Amortization limit value does not fall in a valid range (0 to 200), Applicable to Negative amortization instruments only	NEG_AMRT_LIMIT = 0	Invalid Negative Amortization Limit	Warning	
17	(ORG_TERM_MULT is NULL or ORG_TERM_MULT not in ('D', 'M', 'Y'))	Original term multiplier must be D, M, or Y	ORG_TERM_MULT= M	Invalid Original Term Multiplier	Warning	
18	(AMRT_TYPE_CD = 600 and (NEG_AMRT_PMT_CHG_FREQ is NULL or NEG_AMRT_PMT_CHG_FREQ < 0))	Payment Change Frequency cannot be negative, Applicable to Negative amortization instruments only	NEG_AMRT_PMT_CHG_FREQ = 0	Invalid Negative Amortization Payment Change Frequency	Warning	
19	(AMRT_TYPE_CD = 600 and (NEG_AMRT_PMT_CHG_FREQ_MULT is NULL or NEG_AMRT_PMT_CHG_FREQ_MULT not in ('D', 'M', 'Y')))	Negative Amortization Payment Change Frequency Multiplier must be D, M, or Y	NEG_AMRT_PMT_CHG_FREQ_MULT = M	Invalid Negative Amortization Payment Change Frequency Multiplier	Warning	
20	(INT_PMT_FREQ_MULT is NULL or INT_PMT_FREQ_MULT not in ('D', 'M', 'Y'))	Interest Payment frequency multiplier must be D, M, or Y	INT_PMT_FREQ_MULT = M	Invalid Interest Payment Frequency Multiplier	Warning	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
21	(PRIN_PMT_FREQ_MULT is NULL or PRIN_PMT_FREQ_MULT not in ('D', 'M', 'Y'))	Principal Payment frequency multiplier must be D, M, or Y	PRIN_PMT_FREQ_MULT = M	Invalid Principal Payment Frequency Multiplier	Warning	
22	(RATE_CHG_RND_CD is NULL or RATE_CHG_RND_CD < 0 or RATE_CHG_RND_CD > 4)	Rate change round code must be between 0 and 4	RATE_CHG_RND_CD = 0	Invalid Rate Change Rounding Code	Warning	
23	(ADJUSTABLE_TYPE_CD > 0 and (RATE_SET_LAG_MULT is NULL or RATE_SET_LAG_MULT not in ('D', 'M', 'Y')))	Rate Set Lag Multiplier must be D, M, or Y	RATE_SET_LAG_MULT = M	Invalid Rate Set Lag Multiplier	Warning	
24	(ADJUSTABLE_TYPE_CD > 0 and (REPRICE_FREQ_MULT is NULL or REPRICE_FREQ_MULT not in ('D', 'M', 'Y')))	Repricing Frequency Multiplier must be D, M, or Y	REPRICE_FREQ_MULT = M	Invalid Repricing Frequency Multiplier	Warning	
25	(RATE_CHG_RND_FAC is NULL or RATE_CHG_RND_FAC < 0 or RATE_CHG_RND_FAC > 1)	Rate change round factor must be between 0 and 1	RATE_CHG_RND_FAC = 0	Invalid Rate Change Rounding Factor	Warning	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
26	(MATURITY_DATE < NEXT_INT_PAYMENT_DATE)	Maturity date cannot be before the next interest payment date	MATURITY_DATE = (CASE PRIN_PMT_FREQ_MULT WHEN 'Y' THEN ADD_MONTHS(NEXT_PRIN_PAYMENT_DATE, ((REMAIN_NO_PMTS -1)* PRIN_PMT_FREQ * 12)) WHEN 'M' THEN ADD_MONTHS(NEXT_PRIN_PAYMENT_DATE, ((REMAIN_NO_PMTS -1)* PRIN_PMT_FREQ)) ELSE NEXT_PRIN_PAYMENT_DATE + ((REMAIN_NO_PMTS -1)* PRIN_PMT_FREQ) END)	Maturity Date < Next Interest Payment Date	Warning	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
27	(MATURITY_DATE < NEXT_PRIN_PAYME NT_DATE)	Maturity date cannot be before the next principal payment date	MATURITY_D ATE = (CASE PRIN_PMT_FR EQ_MULT WHEN 'Y' THEN ADD_MONTH S(NEXT_PRIN_ PAYMENT_DA TE, ((REMAIN_NO _PMTS -1)* PRIN_PMT_FR EQ * 12)) WHEN 'M' THEN ADD_MONTH S(NEXT_PRIN_ PAYMENT_DA TE, ((REMAIN_NO _PMTS -1)* PRIN_PMT_FR EQ)) ELSE NEXT_PRIN_P AYMENT_DAT E + ((REMAIN_NO _PMTS -1)* PRIN_PMT_FR EQ) END)	Maturity Date < Next Principal Payment Date	Warning	
28	(AMRT_TYPE_CD = 600 and (NEG_AMRT_EQ_FR EQ is NULL or NEG_AMRT_EQ_FR EQ < 0))	Negative amortization equalization frequency cannot be negative, Applicable to Negative amortization instruments only	NEG_AMRT_E Q_FREQ = 0	Negative Amortiza tion Equalizat ion Frequenc y < 0	Warning	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
29	(AMRT_TYPE_CD = 600 and NEG_AMRT_EQ_FREQ is not null and NEG_AMRT_EQ_FREQ > 0 and NEG_AMRT_EQ_DATE <= greatest(ORIGINATION_DATE, AS_OF_DATE))	Negative Amortization equalization date is less than origination date (future origination) or less than the as-of-date (past origination), Applicable to Negative Amortization instruments only	NEG_AMRT_EQ_DATE = NEXT_REPRICE_DATE	Negative Amortization Equalization Date < Origination Date or As of Date	Warning	
30	(AMRT_TYPE_CD = 600 and NEG_AMRT_EQ_FREQ is not NULL and NEG_AMRT_EQ_FREQ > 0 and NEG_AMRT_EQ_DATE > MATURITY_DATE)	Next interest payment date is less than as-of-date (past origination case), As of Date cannot be greater than the origination date and greater than the next payment date.	NEG_AMRT_EQ_DATE = NEXT_REPRICE_DATE	Negative Amortization Equalization Date > Maturity Date	Warning	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
31	(AS_OF_DATE > ORIGINATION_DATE and AS_OF_DATE >= NEXT_INT_PAYMENT_DATE)	Negative Amortization equalization date is after Maturity Date, Applicable to Negative Amortization instruments only	NEXT_INT_PAYMENT_DATE = AS_OF_DATE + 1	Next Interest Payment Date < As of Date	Warning	
32	(AS_OF_DATE > ORIGINATION_DATE and AS_OF_DATE >= NEXT_PRIN_PAYMENT_DATE)	Next principal payment date is less than as-of-date (past origination case), As of Date cannot be greater than the origination date and greater than the next payment date.	NEXT_PRIN_PAYMENT_DATE = AS_OF_DATE + 1	Next Principal Payment Date < As of Date	Warning	
33	(ORIGINATION_DATE >= AS_OF_DATE and ORIGINATION_DATE >= NEXT_INT_PAYMENT_DATE)	Next interest payment date is less than origination date (future origination case)	NEXT_INT_PAYMENT_DATE = ORIGINATION_DATE + 1	Next Interest Payment Date < Origination Date	Warning	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
34	(ORIGINATION_DATE >= AS_OF_DATE and ORIGINATION_DATE >= NEXT_PRIN_PAYMENT_DATE)	Next principal payment date is less than origination date (future origination case)	NEXT_PRIN_PAYMENT_DATE= ORIGINATION_DATE + 1	Next Principal Payment Date < Origination Date	Warning	
35	(ORIGINATION_DATE <= AS_OF_DATE and NEXT_REPRICE_DATE <= AS_OF_DATE and REPRICE_FREQ > 0)	Next repricing date is less than as-of-date (past origination case)	NEXT_REPRICE_DATE = AS_OF_DATE + 1	Next Reprice Date < As of Date	Warning	
36	(ORIGINATION_DATE > AS_OF_DATE and NEXT_REPRICE_DATE < ORIGINATION_DATE and REPRICE_FREQ > 0)	Next repricing date is less than the origination date (future origination case)	NEXT_REPRICE_DATE = ORIGINATION_DATE + 1	Next Reprice Date < Origination Date	Warning	
37	(AMRT_TYPE_CD = 600 and (ORG_PAYMENT_AMT is NULL or ORG_PAYMENT_AMT = 0) and NEG_AMRT_PMT_DECR_LIFE > 0)	Payment decrease life is expressed as a percent of a original payment, Applicable to negative amortization instruments only	NEG_AMRT_PMT_DECR_LIFE = 0	Original Payment Amount = 0 and Negative Amortization Payment Decrease Limit (Life) <> 0	Warning	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
38	(AMRT_TYPE_CD = 600 and (ORG_PAYMENT_AMT is NULL or ORG_PAYMENT_AMT = 0) and NEG_AMRT_PMT_INCR_LIFE > 0)	Payment increase life is expressed as a percent of a original payment, Applicable to negative amortization instruments only	NEG_AMRT_PMT_INCR_LIFE = 0	Original Payment Amount = 0 and Negative Amortization Payment Increase Limit (Life) <> 0	Warning	
39	(ORG_TERM = 0 OR ORG_TERM <> (CASE ORG_TERM_MULT WHEN 'Y' THEN MONTHS_BETWEEN(MATURITY_DATE, ORIGINATION_DATE)*12 WHEN 'M' THEN MONTHS_BETWEEN(MATURITY_DATE, ORIGINATION_DATE) ELSE (MATURITY_DATE - ORIGINATION_DATE) END))	Original term should equal the time between the origination date and the maturity date	ORG_TERM#ORG_TERM_MULT = MONTHS_BETWEEN(MATURITY_DATE, RIGINATION_DATE)#	Original Term <> Maturity Date - Orgination Date	Warning	
40	(ORIGINATION_DATE is NULL or ORIGINATION_DATE < '1-Aug-1950' or ORIGINATION_DATE > '1-Aug-2099')	Origination date must be acceptable	ORIGINATION_DATE = 1-Jan-50	Origination date < 01/01/1950	Warning	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
41	(INT_PMT_FREQ > (CASE INT_PMT_FREQ_MULT WHEN 'Y' THEN MONTHS_BETWEEN(MATURITY_DATE , ORIGINATION_DATE)*12 WHEN 'M' THEN MONTHS_BETWEEN(MATURITY_DATE , ORIGINATION_DATE) ELSE (MATURITY_DATE - ORIGINATION_DATE) END))	Interest Payment frequency cannot be greater than original term	INT_PMT_FREQ#INT_PMT_FREQ_MULT = MONTHS_BETWEEN(MATURITY_DATE, ORIGINATION_DATE)#	Interest Payment Freq > Original Term	Warning	
42	(PRIN_PMT_FREQ >(CASE PRIN_PMT_FREQ_MULT WHEN 'Y' THEN MONTHS_BETWEEN(MATURITY_DATE , ORIGINATION_DATE)*12 WHEN 'M' THEN MONTHS_BETWEEN(MATURITY_DATE , ORIGINATION_DATE) ELSE (MATURITY_DATE - ORIGINATION_DATE) END))	Principal Payment frequency cannot be greater than original term	PRIN_PMT_FREQ#PRIN_PMT_FREQ_MULT= MONTHS_BETWEEN(MATURITY_DATE, ORIGINATION_DATE)#	Principal Payment Freq > Original Term	Warning	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
43	((CUR_PAYMENT is NULL or CUR_PAYMENT < 0 and CUR_PAR_BAL > 0) or (CUR_PAYMENT > 0 and CUR_PAR_BAL < 0))	Current payment and current par balance cannot have opposite signs	CUR_PAYMENT = 0	Current Payment and Current Par Balance have opposite signs	Warning	
44	(AMRT_TYPE_CD = 600 and NEG_AMRT_PMT_CHG_FREQ > 0 and AS_OF_DATE > NEG_AMRT_PMT_ADJUST_DATE)	Negative Amortization Payment Adjustment Date is less than the as-of-date (past origination), Applicable to negative amortization instruments only	NEG_AMRT_PMT_ADJUST_DATE=NEXT_REPRICE_DATE	Negative Amortization Payment Adjustment Date < As of Date	Warning	
45	(AMRT_TYPE_CD = 600 and NEG_AMRT_PMT_CHG_FREQ > 0 and AS_OF_DATE < NEG_AMRT_PMT_ADJUST_DATE and NEG_AMRT_PMT_ADJUST_DATE < ORIGINATION_DATE)	Negative Amortization Payment adjustment date is less than origination date (future origination), Applicable to negative amortization instruments only	NEG_AMRT_PMT_ADJUST_DATE=NEXT_REPRICE_DATE	Negative Amortization Payment Adjustment Date < Origination Date	Warning	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
46	((INT_PMT_FREQ is NULL or INT_PMT_FREQ <= 0) and ((ORIGINATION_DATE <= AS_OF_DATE and MATURITY_DATE > AS_OF_DATE) or (ORIGINATION_DATE > AS_OF_DATE and MATURITY_DATE > ORIGINATION_DATE)))	Interest Payment frequency is less than or equal to zero, and both maturity date and origination date are valid dates and can be used to calculate payment frequency.	NEXT_INT_PAYMENT_DATE#ORG_TERM#ORG_TERM_MULT#INT_PMT_FREQ#INT_PMT_FREQ_MULT#REMAIN_NO_PMTS=MATURITY_DATE#MONTHS_BETWEEN(MATURITY_DATE, ORIGINATION_DATE)##MONTHS_BETWEEN(MATURITY_DATE, ORIGINATION_DATE)##	Interest Payment Frequency <= 0	Warning	
47	((PRIN_PMT_FREQ is NULL or PRIN_PMT_FREQ <= 0) and ((ORIGINATION_DATE <= AS_OF_DATE and MATURITY_DATE > AS_OF_DATE) or (ORIGINATION_DATE > AS_OF_DATE and MATURITY_DATE > ORIGINATION_DATE)))	Principal Payment frequency is less than or equal to zero, and both maturity date and origination date are valid dates and can be used to calculate payment frequency.	NEXT_PRIN_PAYMENT_DATE#ORG_TERM#ORG_TERM_MULT#PRIN_PMT_FREQ#PRIN_PMT_FREQ_MULT#REMAIN_NO_PMTS=MATURITY_DATE#MONTHS_BETWEEN(MATURITY_DATE, ORIGINATION_DATE)##MONTHS_BETWEEN(MATURITY_DATE, ORIGINATION_DATE)##	Principal Payment Frequency <= 0	Warning	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
48	((INT_PMT_FREQ is NULL or INT_PMT_FREQ <= 0) and ((ORIGINATION_DATE <= AS_OF_DATE and MATURITY_DATE <= AS_OF_DATE and NEXT_INT_PAYMENT_DATE > AS_OF_DATE) or (ORIGINATION_DATE > AS_OF_DATE AND MATURITY_DATE < ORIGINATION_DATE and NEXT_INT_PAYMENT_DATE > ORIGINATION_DATE)))	Interest payment frequency is less than or equal to zero and maturity date is invalid, but next interest payment date can be used to calculate a valid payment frequency	MATURITY_DATE#ORG_TERM#ORG_TERM_MULT#INT_PMT_FREQ#INT_PMT_FREQ_MULT#REMAIN_NO_PMTS=NEXT_INT_PAYMENT_DATE#MONTHS_BETWEEN(MATURITY_DATE, ORIGINATION_DATE)##MONTHS_BETWEEN(MATURITY_DATE, ORIGINATION_DATE)##	Interest Payment Frequency <= 0	Warning	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
49	((PRIN_PMT_FREQ is NULL or PRIN_PMT_FREQ <= 0) and ((ORIGINATION_DATE <= AS_OF_DATE and MATURITY_DATE <= AS_OF_DATE and NEXT_PRIN_PAYMENT_DATE > AS_OF_DATE) or (ORIGINATION_DATE > AS_OF_DATE AND MATURITY_DATE < ORIGINATION_DATE and NEXT_PRIN_PAYMENT_DATE > ORIGINATION_DATE)))	Principal payment frequency is less than or equal to zero and maturity date is invalid, but next interest payment date can be used to calculate a valid payment frequency	MATURITY_DATE#ORG_TERM#ORG_TERM_MULT#PRIN_PMT_FREQ#PRIN_PMT_FREQ_MULT#REMAIN_NO_PMTS=NEXT_PRIN_PAYMENT_DATE#MONTHS_BETWEEN(MATURITY_DATE, ORIGINATION_DATE)##MONTHS_BETWEEN(MATURITY_DATE, ORIGINATION_DATE)##	Principal Payment Frequency <= 0	Warning	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
50	((INT_PMT_FREQ is NULL or INT_PMT_FREQ <= 0) and ((ORIGINATION_DATE <= AS_OF_DATE and MATURITY_DATE <= AS_OF_DATE and NEXT_INT_PAYMENT_DATE <= AS_OF_DATE) or (ORIGINATION_DATE > AS_OF_DATE AND MATURITY_DATE < ORIGINATION_DATE and NEXT_INT_PAYMENT_DATE < ORIGINATION_DATE)))	Interest payment frequency is less than or equal to zero and all dates which can be used to calculate payment frequency are in the past	MATURITY_DATE#NEXT_INT_PAYMENT_DATE#ORG_TERM#ORG_TERM_MULT#INT_PMT_FREQ#INT_PMT_FREQ_MULT#REMAIN_NO_PMTS=AS_OF_DATE + 1#AS_OF_DATE + 1#MONTHS_BETWEEN(MATURITY_DATE, ORIGINATION_DATE)##MONTHS_BETWEEN(MATURITY_DATE, ORIGINATION_DATE)##	Interest Payment Frequency <= 0	Warning	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
51	((PRIN_PMT_FREQ is NULL or PRIN_PMT_FREQ <= 0) and ((ORIGINATION_DATE <= AS_OF_DATE and MATURITY_DATE <= AS_OF_DATE and NEXT_PRIN_PAYMENT_DATE <= AS_OF_DATE) or (ORIGINATION_DATE > AS_OF_DATE AND MATURITY_DATE < ORIGINATION_DATE and NEXT_PRIN_PAYMENT_DATE < ORIGINATION_DATE)))	Principal payment frequency is less than or equal to zero and all dates which can be used to calculate payment frequency are in the past	MATURITY_DATE#NEXT_PRIN_PAYMENT_DATE#ORG_TERM#ORG_TERM_MULT#PRIN_PMT_FREQ#PRIN_PMT_FREQ_MULT#REMAIN_NO_PMTS=AS_OF_DATE + 1#AS_OF_DATE + 1#MONTHS_BETWEEN(MATURITY_DATE, ORIGINATION_DATE)##MONTHS_BETWEEN(MATURITY_DATE, ORIGINATION_DATE)##	Principal Payment Frequency <= 0	Warning	
52	(AMRT_TYPE_CD = 600 and (NEG_AMRT_PMT_INCR_CYCLE is NULL or NEG_AMRT_PMT_INCR_CYCLE < 0))	Negative Amortization Payment increase limit (cycle) cannot be less than zero, Applicable to negative amortization instruments only	NEG_AMRT_PMT_INCR_CYCLE=0	Negative Amortization Payment Increase Limit (Cycle) < 0	Warning	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
53	(RATE_CAP_LIFE < CUR_GROSS_RATE and RATE_CAP_LIFE <> 0 and CUR_GROSS_RATE <> 0 and TEASER_END_DATE < AS_OF_DATE)	Current gross rate is greater than the rate cap life	RATE_CAP_LIFE=CUR_GROSS_RATE	Rate Cap Life < Current Gross Interest Rate	Info	
54	(RATE_CAP_LIFE < CUR_NET_RATE and RATE_CAP_LIFE <> 0)	Current net rate is greater than the rate cap		Rate Cap Life < Current Net Interest Rate	Info	
55	(RATE_CHG_MIN is NULL or RATE_CHG_MIN < 0)	Minimum rate change cannot be negative	RATE_CHG_MIN=0	Rate Change Minimum < 0	Warning	
56	(RATE_DECR_CYCLE is NULL or RATE_DECR_CYCLE < 0)	Rate decrease limit (cycle) must not be negative	RATE_DECR_CYCLE=0	Rate Decrease Limit (Cycle) < 0	Warning	
57	(RATE_FLOOR_LIFE > CUR_GROSS_RATE and CUR_GROSS_RATE <> 0 and TEASER_END_DATE < AS_OF_DATE)	Current gross rate is less than the rate floor		Rate Floor Life > Currrent Gross Interest Rate	Info	
58	(RATE_FLOOR_LIFE > CUR_NET_RATE)	Rate floor life must not be greater than the current net rate	RATE_FLOOR_LIFE=CUR_GROSS_RATE	Rate Floor Life > Currrent Net Interest Rate	Info	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
59	(RATE_INCR_CYCLE is NULL or RATE_INCR_CYCLE < 0)	Rate increase limit (cycle) cannot be less than 0	RATE_INCR_CYCLE=0	Rate Increase Limit (Cycle) < 0	Warning	
60	(REMAIN_NO_PMTS is NULL or REMAIN_NO_PMTS < 1)	There has to be at least 1 payment left	REMAIN_NO_PMTS=1	Remaining Number of Payments < 1	Warning	
61	(ADJUSTABLE_TYPE_CD > 0 and (RATE_SET_LAG is NULL or RATE_SET_LAG < 0))	Rate set lag cannot be negative	RATE_SET_LAG=0	Rate Set Lag < 0	Warning	
62	(TEASER_END_DATE < ORIGINATION_DATE)	Teaser End Date cannot be before Origination Date	TEASER_END_DATE=ORIGINATION_DATE	Teaser End Date < Origination Date	Warning	
63	(TEASER_END_DATE > MATURITY_DATE)	Teaser End Date cannot be after Maturity Date	TEASER_END_DATE=MATURITY_DATE	Teaser End Date > Maturity Date	Warning	
64	(AMRT_TYPE_CD = 710 and ORG_PAR_BAL < CUR_PAR_BAL)	Original balance on Rule of 78's instruments should be greater than current balance		Orginal Par Balance < Current Par Balance	Info	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
65	(AMRT_TYPE_CD = 600 and (REPRICE_FREQ is NULL or REPRICE_FREQ = 0))	Reprice Frequency cannot be zero for Adjustable Negative Amortization instrument		Adjustable Negative Amortization instrument has Reprice Frequency = 0	Info	
66	(REPRICE_FREQ <> 0 and LAST_REPRICE_DATE > NEXT_REPRICE_DATE)	Last repricing date is greater than next repricing date	LAST_REPRICE_DATE=(CASE REPRICE_FREQ_MULT WHEN 'Y' THEN ADD_MONTHS(NEXT_REPRICE_DATE, -REPRICE_FREQ*12) WHEN 'M' THEN ADD_MONTHS(NEXT_REPRICE_DATE, -REPRICE_FREQ) ELSE NEXT_REPRICE_DATE - REPRICE_FREQ END)	Last Reprice Date > Next Reprice Date	Warning	
67	(ADJUSTABLE_TYPE_CD in (50, 250) and (INTEREST_RATE_CD is NULL or INTEREST_RATE_CD <= 0))	Interest rate code must be valid for adjustable rate instruments	ADJUSTABLE_TYPE_CD=0	Adjustable Rate instrument has invalid Interest Rate Code	Warning	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
68	(ADJUSTABLE_TYPE_CD > 0 and INTEREST_RATE_CD > 0 and exists (select 1 from fsi_ircs where fsi_ircs.interest_rate_cd = SOURCE_TABLE.interest_rate_cd and fsi_ircs.volatility_curve_flg > 0))	Interest rate code of instrument is not an yield curve. Repricing attributes will be ignored and processed as fixed interest rate;	ADJUSTABLE_TYPE_CD=0	Invalid Interest Rate Code. Curve Type is not Interest Rate Curve	Warning	
69	(NET_MARGIN_CD is NULL or NET_MARGIN_CD not in (0, 1))	Valid net margin codes are 0 or 1.	NET_MARGIN_CD=0	Invalid Net Margin Code	Warning	
70	(AMRT_TYPE_CD = 600 and (NEG_AMRT_PMT_DECR_CYCLE is NULL or NEG_AMRT_PMT_DECR_CYCLE < 0))	Payment Decrease Limit (Cycle) cannot be less than zero. Applicable to negative amortization instruments only	NEG_AMRT_PMT_DECR_CYCLE=0	Negative Amortization Payment Decrease Limit (Cycle) = 0	Warning	
71	(AMRT_TYPE_CD = 600 and (NEG_AMRT_PMT_DECR_LIFE is NULL or NEG_AMRT_PMT_DECR_LIFE < 0))	Payment Decrease Limit (Life) cannot be less than zero. Applicable to negative amortization instruments only	NEG_AMRT_PMT_DECR_LIFE=0	Negative Amortization Payment Decrease Limit (Life) = 0	Warning	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
72	(AMRT_TYPE_CD = 600 and NEG_AMRT_PMT_DECR_LIFE <> 0 and CUR_PAYMENT < ORG_PAYMENT_AMT * (1 - NEG_AMRT_PMT_DECR_LIFE/100))	Current payment is less than the minimum payment amount. Applicable to negative amortization instruments only		Current Payment is less than Life Pay Floor	Info	
73	(AMRT_TYPE_CD = 600 and (NEG_AMRT_PMT_INCR_LIFE is NULL or NEG_AMRT_PMT_INCR_LIFE < 0))	Payment Increase Limit (Life) cannot be less than zero. Applicable to negative amortization instruments only	NEG_AMRT_PMT_INCR_LIFE =0	Negative Amortization Payment Increase Limit (Life) = 0	Warning	
74	(AMRT_TYPE_CD = 600 and NEG_AMRT_PMT_INCR_LIFE <> 0 and CUR_PAYMENT > ORG_PAYMENT_AMT * (1 + NEG_AMRT_PMT_INCR_LIFE/100))	Current payment is greater than the maximum payment amount. Applicable to negative amortization instruments only		Current Payment is greater than Life Pay Cap	Info	
75	(ISSUE_DATE > ORIGINATION_DATE)	Issue date cannot be greater than origination date	ISSUE_DATE= ORIGINATION _DATE	Issue Date > Origination Date	Warning	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
76	(REPRICE_FREQ is NULL or REPRICE_FREQ < 0)	Repricing frequency must not be negative	REPRICE_FREQ=0	Reprice Frequency < 0	Warning	
77	(AMRT_TYPE_CD = 710 and REPRICE_FREQ <> 0)	Rule of 78's instruments are implicitly fixed rate.	REPRICE_FREQ=0	Amortization type is Rule of 78's but Reprice Frequency is not 0	Warning	
78	(ORG_PAR_BAL = 0 and (REPRICE_FREQ is NULL or REPRICE_FREQ = 0))	For transfer pricing of fixed rate instruments, the original balance should be populated.		Original Par Balance is 0 for a fixed rate instrument	Info	
79	(REPRICE_FREQ <> 0 and TEASER_END_DATE > ORIGINATION_DATE and TEASER_END_DATE > AS_OF_DATE and NEXT_REPRICE_DATE > TEASER_END_DATE)	Next repricing date is greater than teaser end date.	NEXT_REPRICE_DATE=TEASER_END_DATE	Next Reprice Date > Teaser End Date	Warning	
80	(ADJUSTABLE_TYPE_CD <> 0 and (LRD_BALANCE is NULL or LRD_BALANCE = 0))	The balance as of the last repricing date cannot be equal to 0	LRD_BALANCE=CUR_PAR_BAL	Balance on Last Reprice Date = 0	Warning	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
81	(ADJUSTABLE_TYPE_CD <> 0 and (LAST_REPRICE_DATE < ISSUE_DATE or LAST_REPRICE_DATE < ORIGINATION_DATE))	Transfer pricing will not occur when the last repricing date is less than the issue date and origination date	LAST_REPRICE_DATE=ORIGINATION_DATE	Last Reprice Date < Issue/Origination Date	Info	
82	(ADJUSTABLE_TYPE_CD = 0 and REPRICE_FREQ > 0)	Repricing frequency and adjustable type code are inconsistent	REPRICE_FREQ=0	Reprice Frequency > 0 for fixed rate instrument	Info	
83	(ADJUSTABLE_TYPE_CD <> 0 and (REPRICE_FREQ is NULL or REPRICE_FREQ = 0))	Repricing frequency and adjustable type code are inconsistent		Adjustable Type is not fixed but Reprice Frequency is 0	Info	
84	(AMRT_TYPE_CD = 710 and ADJUSTABLE_TYPE_CD <> 0)	Rule of 78's instrument should only have a Fixed adjustable type code.	ADJUSTABLE_TYPE_CD=0	Amortization type is Rule of 78's but Adjustable Type is not fixed	Warning	
85	(AMRT_TYPE_CD = 600 and ADJUSTABLE_TYPE_CD = 0)	Negative amortization instruments cannot have fixed adjustable type code	AMRT_TYPE_CD=100	Adjustable Type is fixed rate for Negative amortization instrument	Info	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
86	(LAST_INT_PAYMENT_DATE > NEXT_INT_PAYMENT_DATE and INT_PMT_FREQ > 0)	Last interest payment date is greater than next interest payment date and can be calculated using interest payment frequency	LAST_INT_PAYMENT_DATE =(CASE INT_PMT_FREQ_MULT WHEN 'Y' THEN ADD_MONTHS(NEXT_INT_PAYMENT_DATE, -INT_PMT_FREQ*12) WHEN 'M' THEN ADD_MONTHS(NEXT_INT_PAYMENT_DATE, -INT_PMT_FREQ) ELSE NEXT_INT_PAYMENT_DATE - INT_PMT_FREQ END)		Warning	
87	(LAST_INT_PAYMENT_DATE > NEXT_INT_PAYMENT_DATE and (INT_PMT_FREQ is NULL or INT_PMT_FREQ <= 0))	Last interest payment date is greater than next interest payment date, but cannot be calculated using interest payment frequency.	LAST_INT_PAYMENT_DATE =ORIGINATION_DATE		Warning	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
88	(LAST_PRIN_PAYMENT_DATE > NEXT_PRIN_PAYMENT_DATE and PRIN_PMT_FREQ > 0)	Last principal payment date is greater than next principal payment date and can be calculated using principal payment frequency	LAST_PRIN_PAYMENT_DATE=(CASE PRIN_PMT_FREQ_MULT WHEN 'Y' THEN ADD_MONTHS(NEXT_PRIN_PAYMENT_DATE, -PRIN_PMT_FREQ*12) WHEN 'M' THEN ADD_MONTHS(NEXT_PRIN_PAYMENT_DATE, -PRIN_PMT_FREQ) ELSE NEXT_PRIN_PAYMENT_DATE - PRIN_PMT_FREQ END)		Warning	
89	(LAST_PRIN_PAYMENT_DATE > NEXT_PRIN_PAYMENT_DATE and (PRIN_PMT_FREQ is NULL or PRIN_PMT_FREQ <= 0))	Last principal payment date is greater than next principal payment date, but cannot be calculated using principal payment frequency.	LAST_PRIN_PAYMENT_DATE=ORIGINATION_DATE	Last principal payment date > Next principal payment date	Warning	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
90	(LAST_INT_PAYMENT_DATE < ORIGINATION_DATE)	Last interest payment date cannot be less than the origination date	LAST_INT_PAYMENT_DATE =ORIGINATION_DATE	Last Interest Payment Date < Origination Date	Warning	
91	(LAST_PRIN_PAYMENT_DATE < ORIGINATION_DATE)	Last principal payment date cannot be less than the origination date	LAST_PRIN_PAYMENT_DATE=ORIGINATION_DATE	Last Principal Payment Date < Origination Date	Warning	
92	(LAST_INT_PAYMENT_DATE > AS_OF_DATE and ORIGINATION_DATE <= AS_OF_DATE)	Last interest payment date cannot be greater than the as-of-date if the instrument originated in the past.	LAST_INT_PAYMENT_DATE =AS_OF_DATE	Last interest payment date > As of Date	Warning	
93	(LAST_PRIN_PAYMENT_DATE > AS_OF_DATE and ORIGINATION_DATE <= AS_OF_DATE)	Last principal payment date cannot be greater than the as-of-date if the instrument originated in the past.	LAST_PRIN_PAYMENT_DATE=AS_OF_DATE	Last principal payment date > As of Date	Warning	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
94	(INTEREST_TIMING _TYPE_CD = 2 and AMRT_TYPE_CD in (100, 400, 600, 710, 800, 840, 850))	Interest type can only be arrears for conventionally amortizing instruments.	INTEREST_TI MING_TYPE_C D=1	Amortization Type is conventional but interest timing is Advance	Warning	
95	(INTEREST_TIMING _TYPE_CD is NULL or INTEREST_TIMING_ TYPE_CD not in (1, 2, 3))	Interest type must be a valid OFSAA code.	INTEREST_TI MING_TYPE_C D=1	Invalid interest timing type	Warning	
96	(COMPOUND_BASIS _CD is NULL or COMPOUND_BASIS _CD not in (110, 120, 130, 140, 150, 160, 170))	Compounding basis code must be a valid OFSAA code	COMPOUND_ BASIS_CD=160	Invalid Compounding Basis Code	Warning	
97	(ACCRUAL_BASIS_C D IN (1, 4, 5) and (INT_PMT_FREQ_M ULT = 'D' or AMRT_TYPE_CD in (800,801, 802)))	Accrual basis code cannot have a 30 day month assumption on instruments defined by a payment schedule	ACCRUAL_BA SIS_CD=3	Amortization Type / Accrual Basis Error	Warning	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
98	(ACCRUAL_BASIS_CD = 7 and (HOLIDAY_CALENDAR_CODE is NULL or HOLIDAY_CALENDAR_CODE <=0 or HOLIDAY_CALC_OPTION_CD is NULL or HOLIDAY_CALC_OPTION_CD not in (1, 2) or HOLIDAY_ROLLING_CONVENTION_CD is NULL or HOLIDAY_ROLLING_CONVENTION_CD not in (2,3,4,5)))	Holiday calendar must be give when using Business/252 accrual basis		Holiday calendar not given for B/252 accrual basis	Info	
99	(AMRT_TYPE_CD = 10 and BEHAVIOUR_TYPE_CD is NULL)	Behaviour Type Code is Null, defaulted to 1 (Non-Maturity)	BEHAVIOUR_TYPE_CD=1	Behaviour Type Code is Null	Warning	
100	(AMRT_TYPE_CD = 10 and BEHAVIOUR_TYPE_CD not in (1,2,3))	Behaviour Type Code is invalid, defaulted to 1 (Non-Maturity)	BEHAVIOUR_TYPE_CD=1	Invalid Behaviour Type Code	Warning	
101	(AMRT_TYPE_CD = 10 and BEHAVIOUR_TYPE_CD = 2 and (BEHAVIOUR_SUB_TYPE_CD is NULL or BEHAVIOUR_SUB_TYPE_CD not in (201, 202, 203)))	Behaviour Sub Type should be 201 or 202 or 203 when Behaviour Type is Non-Performing	BEHAVIOUR_SUB_TYPE_CD=201	Invalid Behavior Sub Type Code	Warning	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
102	(AMRT_TYPE_CD = 10 and BEHAVIOUR_TYPE_CD = 3 and (BEHAVIOUR_SUB_TYPE_CD is NULL or BEHAVIOUR_SUB_TYPE_CD not in (305, 306)))	Behaviour Sub Type should be 305 or 306 when Behaviour Type is Devolvement and Recovery	BEHAVIOUR_SUB_TYPE_CD=305	Invalid Behavior Sub Type Code	Warning	
103	(AMRT_TYPE_CD = 840 and RESIDUAL_AMOUNT < 0)	Residual Amount cannot be less than 0 for Lease instrument	RESIDUAL_AMOUNT=0	Invalid Residual Amount for Lease instrument	Warning	
104	(AMRT_TYPE_CD = 840 and RESIDUAL_AMOUNT > CUR_PAR_BAL)	Residual Amount cannot be higher than Current Par Balance for Lease instrument	RESIDUAL_AMOUNT=0	Invalid Residual Amount for Lease instrument	Warning	
105	(AMRT_TYPE_CD = 850 and MATURITY_AMOUNT > 0 and ADJUSTABLE_TYPE_CD > 0)	Annuity instrument with maturity amount must have fixed interest rate	ADJUSTABLE_TYPE_CD=0	Invalid Adjustable Type for Annuity with Maturity Amount	Warning	
106	(MOA_EXPECTED_BAL > 0 and (MOA_OFFSET_PERCENT is NULL or MOA_OFFSET_PERCENT < 0))	Expected balance is greater than 0 but offset percentage is less than 0	MOA_OFFSET_PERCENT=0	Invalid offset percent	Warning	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
107	((MOA_EXPECTED_BAL * MOA_OFFSET_PERCENT/100) > CUR_PAR_BAL)	Calculated Offset Balance is higher than Current Par Balance		Calculated Offset Balance > Current Par Balance	Info	
108	(ADJUSTABLE_TYPE_CD = 10 and (REPRICE_PATTERN_CD is NULL or REPRICE_PATTERN_CD <= 0))	Invalid reprice pattern code given for instrument	ADJUSTABLE_TYPE_CD=0	Invalid reprice pattern code	Warning	
109	(ADJUSTABLE_TYPE_CD = 10 and REPRICE_PATTERN_CD > 0 and REPRICE_PATTERN_CD not in (select ADJUSTABLE_TYPE_CD from fsi_reprice_pattern))	Invalid reprice pattern code given for instrument	ADJUSTABLE_TYPE_CD=0	Invalid reprice pattern code	Warning	
110	(ADJUSTABLE_TYPE_CD = 0 and (ORG_PAYMENT_AMT is NULL or ORG_PAYMENT_AMT <= 0))	Original payment amount is required for fixed-rate instruments	ORG_PAYMENT_AMT=CUR_PAYMENT	Invalid Original Payment Amount	Warning	
111	(PERCENT_SOLD < 0 or PERCENT_SOLD > 99)	Percent Sold must be greater than or equal to zero and less than 100	PERCENT_SOLD=0	Invalid Percent Sold	Warning	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
112	(CUR_PAR_BAL is NULL or CUR_PAR_BAL = 0)	Instruments with Current Par Balance zero are not processed.		Current Par Balance = 0	Warning	
113	(EMBEDDED_OPTIONS_FLG = 1 and AMRT_TYPE_CD <> 700)	Embedded option is supported only for non-amortizing instrument	EMBEDDED_OPTIONS_FLG=0	Invalid embedded options flag	Warning	
114	(ADJUSTABLE_TYPE_CD = 0 and TP_EFFECTIVE_DATE > ORIGINATION_DATE)	TP Effective Date must not be after Origination Date for fixed rate instrument		Invalid TP Effective Date	Info	
115	(ADJUSTABLE_TYPE_CD = 0 and TP_EFFECTIVE_DATE < ORIGINATION_DATE)	TP Effective Date must not be before Origination Date for fixed rate instrument		Invalid TP Effective Date	Info	
116	(ADJUSTABLE_TYPE_CD > 0 and TP_EFFECTIVE_DATE > LAST_REPRICE_DATE)	TP Effective Date must not be after Last Reprice Date for non-fixed rate instrument		Invalid TP Effective Date	Info	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
117	(ADJUSTABLE_TYPE_CD > 0 and TP_EFFECTIVE_DATE <= NEXT_REPRICE_DATE)	TP Effective Date must not equal to Next Reprice Date for non-fixed rate instrument		Invalid TP Effective Date	Info	
118	(TP_EFFECTIVE_DATE is not NULL and TP_EFFECTIVE_DATE < '01-JAN-1970')	TP Effective Date is before '01-JAN-1970'	TP_EFFECTIVE_DATE=ORIGINATION_DATE	Invalid TP Effective Date	Info	
119	(TP_EFFECTIVE_DATE > MATURITY_DATE)	TP Effective Date is after maturity date	TP_EFFECTIVE_DATE=ORIGINATION_DATE	Invalid TP Effective Date	Info	
120	(ADJUSTABLE_TYPE_CD = 0 and ADJ_EFFECTIVE_DATE > ORIGINATION_DATE)	Adjustment Effective Date must not be after Origination Date for fixed rate instrument		Invalid Adjustment Effective Date	Info	
121	(ADJUSTABLE_TYPE_CD = 0 and ADJ_EFFECTIVE_DATE < ORIGINATION_DATE)	Adjustment Effective Date must not be before Origination Date for fixed rate instrument		Invalid Adjustment Effective Date	Info	

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
122	(ADJUSTABLE_TYPE_CD > 0 and ADJ_EFFECTIVE_DATE > LAST_REPRICE_DATE)	Adjustment Effective Date must not be after Last Reprice Date for non-fixed rate instrument		Invalid Adjustment Effective Date	Info	
123	(ADJUSTABLE_TYPE_CD > 0 and ADJ_EFFECTIVE_DATE <= NEXT_REPRICE_DATE)	Adjustment Effective Date must not equal to Next Reprice Date for non-fixed rate instrument		Invalid Adjustment Effective Date	Info	
124	(ADJ_EFFECTIVE_DATE is not NULL and ADJ_EFFECTIVE_DATE < '01-JAN-1970')	Adjustment Effective Date is before '01-JAN-1970'	ADJ_EFFECTIVE_DATE=ORIGINATION_DATE	Invalid Adjustment Effective Date	Info	
125	(ADJ_EFFECTIVE_DATE > MATURITY_DATE)	Adjustment Effective Date is after maturity date	ADJ_EFFECTIVE_DATE=ORIGINATION_DATE	Invalid Adjustment Effective Date	Info	

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