

Oracle Financial Services

Cash Flow Edits Processes



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Get Help

Topics:

- [Get Help in the Applications](#)
- [Learn About Accessibility](#)
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- [Join Our Community](#)
- [Share Your Feedback](#)

[Before You Begin](#)

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.

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](#)

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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 2-1 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.
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 2-2 Cash Flow Edits Process – Icons and Descriptions

Field	Description
Add	Click Add icon to build a new Cash Flow Edits Process.
View/Edits	Click on the Action icon against the Cash Flow Edits Process Name and select View/Edits to view or Edits the contents of a Cash Flow Edits Process in read/write format.
Save As	Click on the Action icon against the Cash Flow Edits Process Name and select Save As to create a copy of an existing Cash Flow Edits Process
Delete	Click on the Action icon against the Cash Flow Edits Process Name and select Delete to delete an existing Cash Flow Edits.
Execute	Click on the Action icon against the Cash Flow Edits Process Name 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 on the Action icon against the Cash Flow Edits Process Name 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 **Code, Name, Description, Dimension, Hierarchy, or Folder** of the **Cash Flow Edits Process** and click **Search** . 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 2-3 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.
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 2-4 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 2-5 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.
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 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 on the **Action** icon against the Cash Flow Edits Process Name 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.

 **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

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:** Must be same as the Process Id of Cash Flow Edits Process
 - **Task Name:** This can be same a 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 on the **Action** icon against the Cash Flow Edits Process Name 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 2-6 List of Error Codes for Cash Flow Edits

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
1	(AMRT_TYP E_CD <> 700 OR (amrt_type_ cd = 700 AND amrt_term <> 0)) AND (CASE amrt_term_m ult WHEN 'Y' THEN amrt_term * 365 WHEN 'M' THEN amrt_term * 30.41667 ELSE amrt_term END) < (CASE org_term_mu lt 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_TER M = ORG_TERM and AMRT_TER M_MULT = ORG_TERM _MULT	Original Term > Amortization Term	Warning	
2	(ORIGINATI ON_DATE < AS_OF_DAT E and CUR_PAR_B AL is not NULL and ORG_PAR_B AL is not NULL and CUR_PAR_B AL = ORG_PAR_B AL)	Instrument has originated in past but Current Par Balance and Original Par Balance are equal		Current Par Balance = Original Par Balance	Warning	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
3	(ORIGINATI ON_DATE < AS_OF_DAT E 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_GROS S_RATE is NULL or CUR_GROS S_RATE < 0)	Current gross rate is negative		Current Gross Rate < 0	Info	
5	(CUR_NET_ RATE is NULL or CUR_NET_R ATE < 0)	Current net rate is negative		Current Net Rate < 0	Info	
6	(ACCRUAL_ BASIS_CD is NULL or ACCRUAL_B ASIS_CD < 1 or ACCRUAL_B ASIS_CD > 7)	Accrual basis code must be between 1 and 7 inclusively	ACCRUAL_B ASIS_CD = 3	Invalid Accrual Basis	Warning	
7	(AMRT_TYP E_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 OFSA code	AMRT_TYPE _CD = 700	Invalid Amortization Type	Warning	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
8	(AMRT_TYP E_CD = 20 and (PMT_PATTE RN_CD is null or PMT_PATTE RN_CD <= 0))	Amortization type is Payment Pattern but Payment Pattern Code is invalid	AMRT_TYPE _CD = 700	Invalid Payment Pattern	Warning	
9	(AMRT_TYP E_CD = 20 and PMT_PATTE RN_CD is not null and PMT_PATTE RN_CD > 0 and PMT_PATTE RN_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_TYP E_CD = 10 and (BEHAVIOU R_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_TYP E_CD = 10 and BEHAVIOUR _PATTERN_ CD is not NULL and BEHAVIOUR _PATTERN_ CD > 0 and BEHAVIOUR _PATTERN_ CD not in (select PATTERN_C D from fsi_behaviour_ _pattern_ma ster))	Amortization type is Behaviour Pattern but Behaviour Pattern definition does not exist	AMRT_TYPE _CD = 700	Invalid Behaviour Pattern	Warning	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
12	(AMRT_TYP E_CD in (800, 801, 802) and NOT EXISTS (select 1 from FSI_D_Paym ent_Schedul e WHERE FSI_D_Paym ent_Schedul e.ID_NUMBE R=SOURCE _TABLE.ID_ NUMBER AND FSI_D_Paym ent_Schedul e.IDENTIT Y_CODE = SOURCE_TA BLE.IDENTI TY_CODE AND FSI_D_Paym ent_Schedul e.INSTRUME NT_TYPE_C D = SOURCE_TA BLE.INSTRU MENT_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	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
13	(AMRT_TYP E_CD in (800, 801, 802) and ORIGINATIO N_DATE > (select max(PAYME NT_DATE) from FSI_D_Paym ent_Schedul e WHERE FSI_D_Paym ent_Schedul e.ID_NUMBE R=SOURCE _TABLE.ID_ NUMBER AND FSI_D_Paym ent_Schedul e.IDENTIT Y_CODE = SOURCE_TA BLE.IDENTI TY_CODE AND FSI_D_Paym ent_Schedul e.INSTRUME NT_TYPE_C D = SOURCE_TA BLE.INSTRU MENT_TYPE _CD))	Origination Date is greater than highest date in Payment Schedule	AMRT_TYPE _CD = 700	Invalid Payment schedule data	Warning	
14	(AMRT_TER M_MULT is NULL or AMRT_TER M_MULT not in ('D', 'M', 'Y'))	Amortization term multiplier must be D, M, or Y	AMRT_TER M_MULT = M	Invalid Amortization Term Multiplier	Warning	
15	(AMRT_TYP E_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	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
16	(AMRT_TYP E_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_TYP E_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_TYP E_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_F REQ_MULT is NULL or INT_PMT_F REQ_MULT not in ('D', 'M', 'Y'))	Interest Payment frequency multiplier must be D, M, or Y	INT_PMT_F REQ_MULT = M	Invalid Interest Payment Frequency Multiplier	Warning	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

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	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
26	(MATURITY_DATE < NEXT_INTEREST_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_PAYMENT_DATE, ((REMAINING_PMTS - 1) * PRIN_PMT_FREQ * 12)) WHEN 'M' THEN ADD_MONTHS(NEXT_PAYMENT_DATE, ((REMAINING_PMTS - 1) * PRIN_PMT_FREQ)) ELSE NEXT_PAYMENT_DATE + ((REMAINING_PMTS - 1) * PRIN_PMT_FREQ) END)	Maturity Date < Next Interest Payment Date	Warning	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
27	(MATURITY_DATE < NEXT_PRIN_PAYMENT_DATE)	Maturity date cannot be before the next principal payment date	MATURITY_DATE = (CASE PRIN_PMT_FREQ_MULT WHEN 'Y' THEN ADD_MONTHS(NEXT_PRIN_PAYMENT_DATE, ((REMAINING_PMTS - 1) * PRIN_PMT_FREQ * 12)) WHEN 'M' THEN ADD_MONTHS(NEXT_PRIN_PAYMENT_DATE + ((REMAINING_PMTS - 1) * PRIN_PMT_FREQ)) ELSE NEXT_PRIN_PAYMENT_DATE + ((REMAINING_PMTS - 1) * PRIN_PMT_FREQ) END)	Maturity Date < Next Principal Payment Date	Warning	
28	(AMRT_TYP E_CD = 600 and (NEG_AMRT_EQ_FREQ is NULL or NEG_AMRT_EQ_FREQ < 0))	Negative amortization equalization frequency cannot be negative, Applicable to Negative amortization instruments only	NEG_AMRT_EQ_FREQ = 0	Negative Amortization Equalization Frequency < 0	Warning	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
29	(AMRT_TYP E_CD = 600 and NEG_AMRT _EQ_FREQ is not null and NEG_AMRT _EQ_FREQ > 0 and NEG_AMRT _EQ_DATE <= greatest(ORI GINATION_D ATE, AS_OF_DAT E))	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_REPR ICE_DATE	Negative Amortization Equalization Date < Origination Date or As of Date	Warning	
30	(AMRT_TYP E_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_REPR ICE_DATE	Negative Amortization Equalization Date > Maturity Date	Warning	
31	(AS_OF_DAT E > ORIGINATIO N_DATE and AS_OF_DAT E >= NEXT_INT_ PAYMENT_D ATE)	Negative Amortization equalization date is after Maturity Date, Applicable to Negative Amortization instruments only	NEXT_INT_ PAYMENT_D ATE = AS_OF_DAT E + 1	Next Interest Payment Date < As of Date	Warning	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
32	(AS_OF_DATE > ORIGINATION_DATE and AS_OF_DATE >= NEXT_PRINCIPAL_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_PRINCIPAL_PAYMENT_DATE = AS_OF_DATE + 1	Next Principal Payment Date < As of Date	Warning	
33	(ORIGINATION_DATE >= AS_OF_DATE and ORIGINATION_DATE >= NEXT_INTEREST_PAYMENT_DATE ATE)	Next interest payment date is less than origination date (future origination case)	NEXT_INTEREST_PAYMENT_DATE = ORIGINATION_DATE + 1	Next Interest Payment Date < Origination Date	Warning	
34	(ORIGINATION_DATE >= AS_OF_DATE and ORIGINATION_DATE >= NEXT_PRINCIPAL_PAYMENT_DATE)	Next principal payment date is less than origination date (future origination case)	NEXT_PRINCIPAL_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_FACTOR > 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	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
36	(ORIGINATI ON_DATE > AS_OF_DAT E and NEXT_REPR ICE_DATE < ORIGINATIO N_DATE and REPRICE_F REQ > 0)	Next repricing date is less than the origination date (future origination case)	NEXT_REPR ICE_DATE = ORIGINATIO N_DATE + 1	Next Reprice Date < Origination Date	Warning	
37	(AMRT_TYP E_CD = 600 and ORG_PAYM ENT_AMT is NULL or ORG_PAYM ENT_AMT = 0) and NEG_AMRT _PMT_DEC R_LIFE > 0)	Payment decrease life is expressed as a percent of a original payment, Applicable to negative amortization instruments only	NEG_AMRT _PMT_DEC R_LIFE = 0	Original Payment Amount = 0 and Negative Amortization Payment Decrease Limit (Life) <> 0	Warning	
38	(AMRT_TYP E_CD = 600 and ORG_PAYM ENT_AMT is NULL or ORG_PAYM ENT_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	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
39	(ORG_TERM = 0 OR ORG_TERM <> (CASE ORG_TERM _MULT WHEN 'Y' THEN MONTHS_B ETWEEN(M ATURITY_D ATE, ORIGINATIO N_DATE)*12 WHEN 'M' THEN MONTHS_B ETWEEN(M ATURITY_D ATE, ORIGINATIO N_DATE) ELSE (MATURITY_ DATE - ORIGINATIO N_DATE) END))	Original term should equal the time between the origination date and the maturity date	ORG_TERM #ORG_TER M_MULT = MONTHS_B ETWEEN(M ATURITY_D ATE, RIGINATIO _DATE)#	Original Term <> Maturity Date - Origination Date	Warning	
40	(ORIGINATIO N_DATE is NULL or ORIGINATIO N_DATE < '1-Aug-1950' or ORIGINATIO N_DATE > '1-Aug-2099')	Origination date must be acceptable	ORIGINATIO N_DATE = 1-Jan-50	Origination date < 01/01/1950	Warning	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
41	(INT_PMT_F REQ > (CASE INT_PMT_F REQ_MULT WHEN 'Y' THEN MONTHS_B ETWEEN(M ATURITY_D ATE, ORIGINATIO N_DATE)*12 WHEN 'M' THEN MONTHS_B ETWEEN(M ATURITY_D ATE, ORIGINATIO N_DATE) ELSE (MATURITY_ DATE - ORIGINATIO N_DATE) END))	Interest Payment frequency cannot be greater than original term	INT_PMT_F REQ#INT_P MT_FREQ_ MULT = MONTHS_B ETWEEN(M ATURITY_D ATE, ORIGINATIO N_DATE)#	Interest Payment Freq > Original Term	Warning	
42	(PRIN_PMT_ FREQ >(CASE PRIN_PMT_ FREQ_MULT WHEN 'Y' THEN MONTHS_B ETWEEN(M ATURITY_D ATE, ORIGINATIO N_DATE)*12 WHEN 'M' THEN MONTHS_B ETWEEN(M ATURITY_D ATE, ORIGINATIO N_DATE) ELSE (MATURITY_ DATE - ORIGINATIO N_DATE) END))	Principal Payment frequency cannot be greater than original term	PRIN_PMT_ FREQ#PRIN _PMT_FREQ _MULT= MONTHS_B ETWEEN(M ATURITY_D ATE, ORIGINATIO N_DATE)#	Principal Payment Freq > Original Term	Warning	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
43	((CUR_PAYM ENT is NULL or CUR_PAYME NT < 0 and CUR_PAR_B AL > 0) or (CUR_PAYM ENT > 0 and CUR_PAR_B AL < 0))	Current payment and current par balance cannot have opposite signs	CUR_PAYME NT = 0	Current Payment and Current Par Balance have opposite signs	Warning	
44	(AMRT_TYP E_CD = 600 and NEG_AMRT _PMT_CHG_ FREQ > 0 and AS_OF_DAT E > NEG_AMRT _PMT_ADJU ST_DATE)	Negative Amortization Payment Adjustment Date is less than the as-of-date (past origination), Applicable to negative amortization instruments only	NEG_AMRT _PMT_ADJU ST_DATE= N EXT_REPRI CE_DATE	Negative Amortization Payment Adjustment Date < As of Date	Warning	
45	(AMRT_TYP E_CD = 600 and NEG_AMRT _PMT_CHG_ FREQ > 0 and AS_OF_DAT E < NEG_AMRT _PMT_ADJU ST_DATE and NEG_AMRT _PMT_ADJU ST_DATE < ORIGINATIO N_DATE)	Negative Amortization Payment adjustment date is less than origination date (future origination), Applicable to negative amortization instruments only	NEG_AMRT _PMT_ADJU ST_DATE= N EXT_REPRI CE_DATE	Negative Amortization Payment Adjustment Date < Origination Date	Warning	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

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_ERM#ORG_TERM_MULT#INT_PMT_FREQ#INT_PMT_FREQ#MULT#REMAIN_NO_PMTS=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#REMAIN_NO_PMTS=MATURITY_DATE, ORIGINATION_DATE)##	Principal Payment Frequency <= 0	Warning	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
48	((INT_PMT_FREQ is NULL or INT_PMT_FREQ <= 0) and ((ORIGINATE_ON_DATE <= AS_OF_DATE and MATURITY_DATE <= AS_OF_DATE and NEXT_INT_PAYMENT_DATE > AS_OF_DATE) or (ORIGINATE_ON_DATE > AS_OF_DATE AND MATURITY_DATE < ORIGINATE_ON_DATE and NEXT_INT_PAYMENT_DATE > AS_OF_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_MU LT#INT_PMT_FREQ#INT_PMT_FREQ_MULT#REMAIN_NO_PAYMENT_DATE#MONTHS_BETWEEN(MATURITY_DATE, ORIGINATE_ON_DATE)## MONTHS_BETWEEN(MATURITY_DATE, ORIGINATE_ON_DATE)##	Interest Payment Frequency <= 0	Warning	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

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_MU LT#PRIN_PMT_FREQ#P RIN_PMT_FREQ_MULT# REMAIN_NEXT_PRIN_PAYMENT_DATE #MONTHS_BETWEEN(MATURITY_DATE, ORIGINATION_DATE)## MONTHS_BETWEEN(MATURITY_DATE, ORIGINATION_DATE)##	Principal Payment Frequency <= 0	Warning	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

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 NEXT_INTPAYMENT_DATE <= AS_OF_DATE) or (ORIGINATION_DATE > AS_OF_DATE AND MATURITY_DATE < ORIGINATION_DATE and NEXT_INTPAYMENT_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_PAYMNT_DATE#ORIG_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	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

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 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_MULT#REMAIN_NO_PAYMENT_TS=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	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

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 > Current 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_NET_RATE	Rate Floor Life > Current Net Interest Rate	Info	
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	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
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		Original Par Balance < Current Par Balance	Info	
65	(AMRT_TYPE_CD = 600 and (REPRICE_FREQ_REQ is NULL or REPRICE_FREQ_REQ = 0))	Reprice Frequency cannot be zero for Adjustable Negative Amortization instrument		Adjustable Negative Amortization instrument has Reprice Frequency = 0	Info	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
66	(REPRICE_F REQ <> 0 and LAST_REPR ICE_DATE > NEXT_REPR ICE_DATE)	Last repricing date is greater than next repricing date	LAST_REPR ICE_DATE=(CASE REPRICE_F REQ_MULT WHEN 'Y' THEN ADD_MONT HS(NEXT_R EPRICE_DA TE, - REPRICE_F REQ*12) WHEN 'M' THEN ADD_MONT HS(NEXT_R EPRICE_DA TE, - REPRICE_F REQ) ELSE NEXT_REPR ICE_DATE - REPRICE_F REQ END)	Last Reprice Date > Next Reprice Date	Warning	
67	(ADJUSTABL E_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	ADJUSTABL E_TYPE_CD =0	Adjustable Rate instrument has invalid Interest Rate Code	Warning	
68	(ADJUSTABL E_TYPE_CD > 0 and INTEREST_ RATE_CD > 0 and exists (select 1 from fsi_ircs where fsi_ircs.intere st_rate_cd = SOURCE_TA BLE.interest_ rate_cd and fsi_ircs.volatil ity_curve_flg > 0))	Interest rate code of instrument is not a yield curve. Repricing attributes will be ignored and processed as fixed interest rate;	ADJUSTABL E_TYPE_CD =0	Invalid Interest Rate Code. Curve Type is not Interest Rate Curve	Warning	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
69	(NET_MARG IN_CD is NULL or NET_MARGI N_CD not in (0, 1))	Valid net margin codes are 0 or 1.	NET_MARGI N_CD=0	Invalid Net Margin Code	Warning	
70	(AMRT_TYP E_CD = 600 and (NEG_AMRT _PMT_DEC R_CYCLE is NULL or NEG_AMRT _PMT_DEC R_CYCLE < 0))	Payment Decrease Limit (Cycle) cannot be less than zero. Applicable to negative amortization instruments only	NEG_AMRT _PMT_DEC R_CYCLE=0	Negative Amortization Payment Decrease Limit (Cycle) = 0	Warning	
71	(AMRT_TYP E_CD = 600 and (NEG_AMRT _PMT_DEC R_LIFE is NULL or NEG_AMRT _PMT_DEC R_LIFE < 0))	Payment Decrease Limit (Life) cannot be less than zero. Applicable to negative amortization instruments only	NEG_AMRT _PMT_DEC R_LIFE=0	Negative Amortization Payment Decrease Limit (Life) = 0	Warning	
72	(AMRT_TYP E_CD = 600 and NEG_AMRT _PMT_DEC R_LIFE <> 0 and CUR_PAYME NT < ORG_PAYM ENT_AMT * (1 - NEG_AMRT _PMT_DEC R_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	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
73	(AMRT_TYP E_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_TYP E_CD = 600 and NEG_AMRT _PMT_INCR _LIFE <> 0 and CUR_PAYME NT > ORG_PAYM ENT_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_DAT E > ORIGINATIO N_DATE)	Issue date cannot be greater than origination date	ISSUE_DAT E=ORIGINAT ION_DATE	Issue Date > Origination Date	Warning	
76	(REPRICE_F REQ is NULL or REPRICE_F REQ < 0)	Repricing frequency must not be negative	REPRICE_F REQ=0	Reprice Frequency < 0	Warning	
77	(AMRT_TYP E_CD = 710 and REPRICE_F REQ <> 0)	Rule of 78's instruments are implicitly fixed rate.	REPRICE_F REQ=0	Amortization type is Rule of 78's but Reprice Frequency is not 0	Warning	
78	(ORG_PAR_ BAL = 0 and (REPRICE_F REQ is NULL or REPRICE_F REQ = 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	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
79	(REPRICE_F REQ <> 0 and TEASER_EN D_DATE > ORIGINATIO N_DATE and TEASER_EN D_DATE > AS_OF_DAT E and NEXT_REPR ICE_DATE > TEASER_EN D_DATE)	Next repricing date is greater than teaser end date.	NEXT_REPR ICE_DATE=T EASER_EN D_DATE	Next Reprice Date > Teaser End Date	Warning	
80	(ADJUSTABL E_TYPE_CD <> 0 and (LRD_BALA NCE is NULL or LRD_BALAN CE = 0))	The balance as of the last repricing date cannot be equal to 0	LRD_BALAN CE=CUR_PA R_BAL	Balance on Last Reprice Date = 0	Warning	
81	(ADJUSTABL E_TYPE_CD <> 0 and (LAST_REP RICE_DATE < ISSUE_DAT E or LAST_REPR ICE_DATE < ORIGINATIO N_DATE))	Transfer pricing will not occur when the last repricing date is less than the issue date and origination date	LAST_REPR ICE_DATE= ORIGINATIO N_DATE	Last Reprice Date < Issue/ Origination Date	Info	
82	(ADJUSTABL E_TYPE_CD = 0 and REPRICE_F REQ > 0)	Repricing frequency and adjustable type code are inconsistent	REPRICE_F REQ=0	Reprice Frequency > 0 for fixed rate instrument	Info	
83	(ADJUSTABL E_TYPE_CD <> 0 and (REPRICE_F REQ is NULL or REPRICE_F REQ = 0))	Repricing frequency and adjustable type code are inconsistent		Adjustable Type is not fixed but Reprice Frequency is 0	Info	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
84	(AMRT_TYP E_CD = 710 and ADJUSTABL E_TYPE_CD <> 0)	Rule of 78's instrument should only have a Fixed adjustable type code.	ADJUSTABL E_TYPE_CD =0	Amortization type is Rule of 78's but Adjustable Type is not fixed	Warning	
85	(AMRT_TYP E_CD = 600 and ADJUSTABL E_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	
86	(LAST_INT_ PAYMENT_D ATE > NEXT_INT_ PAYMENT_D ATE and INT_PMT_F REQ > 0)	Last interest payment date is greater than next interest payment date and can be calculated using interest payment frequency	LAST_INT_P AYMENT_DA TE=(CASE INT_PMT_F REQ_MULT WHEN 'Y' THEN ADD_MONT HS(NEXT_IN T_PAYMENT _DATE, - INT_PMT_F REQ*12) WHEN 'M' THEN ADD_MONT HS(NEXT_IN T_PAYMENT _DATE, - INT_PMT_F REQ) ELSE NEXT_INT_ PAYMENT_D ATE - INT_PMT_F REQ END)		Warning	
87	(LAST_INT_ PAYMENT_D ATE > NEXT_INT_ PAYMENT_D ATE and (INT_PMT_F REQ is NULL or INT_PMT_F REQ <= 0))	Last interest payment date is greater than next interest payment date, but cannot be calculated using interest payment frequency.	LAST_INT_P AYMENT_DA TE=ORIGIN ATION_DATE		Warning	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

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=ORIGIN_DATE	Last principal payment date > Next principal payment date	Warning	
90	(LAST_INTEREST_PAYMENT_DATE_ATE < ORIGIN_DATE)	Last interest payment date cannot be less than the origination date	LAST_INTEREST_PAYMENT_DATE_ATE=ORIGIN_DATE	Last Interest Payment Date < Origination Date	Warning	
91	(LAST_PRIN_PAYMENT_DATE < ORIGIN_DATE)	Last principal payment date cannot be less than the origination date	LAST_PRIN_PAYMENT_DATE_ATE=ORIGIN_DATE	Last Principal Payment Date < Origination Date	Warning	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
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_PRINCIPAL_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_PRINCIPAL_PAYMENT_DATE=AS_OF_DATE	Last principal payment date > As of Date	Warning	
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_TIMING_TYPE_CD=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_TIMING_TYPE_CD=1	Invalid interest timing type	Warning	
96	(COMPOUND_BASIS_CODE is NULL or COMPOUND_BASIS_CODE not in (110, 120, 130, 140, 150, 160, 170))	Compounding basis code must be a valid OFSAA code	COMPOUND_BASIS_CODE=160	Invalid Compounding Basis Code	Warning	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
97	(ACCRUAL_BASIS_CD IN (1, 4, 5) and (INT_PMT_F REQ_MULT = '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_BASIS_CD=3	Amortization Type / Accrual Basis Error	Warning	
98	(ACCRUAL_BASIS_CD = 7 and (HOLIDAY_CALENDAR_C ODE is NULL or HOLIDAY_CALENDAR_C ODE <=0 or HOLIDAY_CALENDAR_C ALC_OPTION_CD is NULL or HOLIDAY_CALENDAR_C ALC_OPTION_CD not in (1, 2) or HOLIDAY_CALENDAR_C ALC_OPTION_CD is NULL or HOLIDAY_CALENDAR_C ALC_OPTION_CD not in (2,3,4,5)))	Holiday calendar must be given 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	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
101	(AMRT_TYP E_CD = 10 and BEHAVIOUR _TYPE_CD = 2 and (BEHAVIOU R_SUB_TYP E_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	
102	(AMRT_TYP E_CD = 10 and BEHAVIOUR _TYPE_CD = 3 and (BEHAVIOU R_SUB_TYP E_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_TYP E_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_TYP E_CD = 840 and RESIDUAL_ AMOUNT > CUR_PAR_B AL)	Residual Amount cannot be higher than Current Par Balance for Lease instrument	RESIDUAL_ AMOUNT=0	Invalid Residual Amount for Lease instrument	Warning	
105	(AMRT_TYP E_CD = 850 and MATURITY_ AMOUNT > 0 and ADJUSTABL E_TYPE_CD > 0)	Annuity instrument with maturity amount must have fixed interest rate	ADJUSTABL E_TYPE_CD =0	Invalid Adjustable Type for Annuity with Maturity Amount	Warning	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
106	(MOA_EXPE CTED_BAL > 0 and (MOA_OFFS ET_PERCEN T is NULL or MOA_OFFS ET_PERCEN T < 0))	Expected balance is greater than 0 but offset percentage is less than 0	MOA_OFFS ET_PERCEN T=0	Invalid offset percent	Warning	
107	((MOA_EXP ECTED_BAL * MOA_OFFS ET_PERCEN T/100) > CUR_PAR_B AL)	Calculated Offset Balance is higher than Current Par Balance		Calculated Offset Balance > Current Par Balance	Info	
108	(ADJUSTABL E_TYPE_CD = 10 and (REPRICE_P ATTERN_CD is NULL or REPRICE_P ATTERN_CD <= 0))	Invalid reprice pattern code given for instrument	ADJUSTABL E_TYPE_CD =0	Invalid reprice pattern code	Warning	
109	(ADJUSTABL E_TYPE_CD = 10 and REPRICE_P ATTERN_CD > 0 and REPRICE_P ATTERN_CD not in (select ADJUSTABL E_TYPE_CD from fsi_reprice_p attn))	Invalid reprice pattern code given for instrument	ADJUSTABL E_TYPE_CD =0	Invalid reprice pattern code	Warning	
110	(ADJUSTABL E_TYPE_CD = 0 and (ORG_PAYM ENT_AMT is NULL or ORG_PAYM ENT_AMT <= 0))	Original payment amount is required for fixed-rate instruments	ORG_PAYM ENT_AMT=C UR_PAYMEN T	Invalid Original Payment Amount	Warning	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
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	
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	
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	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
118	(TP_EFFEC TIVE_DATE is not NULL and TP_EFFECTI VE_DATE < '01- JAN-1970')	TP Effective Date is before '01- JAN-1970'	TP_EFFECTI VE_DATE=O RIGINATIO _DATE	Invalid TP Effective Date	Info	
119	(TP_EFFEC TIVE_DATE > MATURITY_ DATE)	TP Effective Date is after maturity date	TP_EFFECTI VE_DATE=O RIGINATIO _DATE	Invalid TP Effective Date	Info	
120	(ADJUSTABL E_TYPE_CD = 0 and ADJ_EFFEC TIVE_DATE > ORIGINATIO N_DATE)	Adjustment Effective Date must not be after Origination Date for fixed rate instrument		Invalid Adjustment Effective Date	Info	
121	(ADJUSTABL E_TYPE_CD = 0 and ADJ_EFFEC TIVE_DATE < ORIGINATIO N_DATE)	Adjustment Effective Date must not be before Origination Date for fixed rate instrument		Invalid Adjustment Effective Date	Info	
122	(ADJUSTABL E_TYPE_CD > 0 and ADJ_EFFEC TIVE_DATE > LAST_REPR ICE_DATE)	Adjustment Effective Date must not be after Last Reprice Date for non- fixed rate instrument		Invalid Adjustment Effective Date	Info	
123	(ADJUSTABL E_TYPE_CD > 0 and ADJ_EFFEC TIVE_DATE <= NEXT_REPR ICE_DATE)	Adjustment Effective Date must not equal to Next Reprice Date for non- fixed rate instrument		Invalid Adjustment Effective Date	Info	
124	(ADJ_EFFE CTIVE_DATE is not NULL and ADJ_EFFEC TIVE_DATE < '01- JAN-1970')	Adjustment Effective Date is before '01- JAN-1970'	ADJ_EFFEC TIVE_DATE= ORIGINATIO N_DATE	Invalid Adjustment Effective Date	Info	

Table 2-6 (Cont.) List of Error Codes for Cash Flow Edits

Error Code	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
125	(ADJ_EFFE CTIVE_DATE > MATURITY_ DATE)	Adjustment Effective Date is after maturity date	ADJ_EFFEC TIVE_DATE= ORIGINATIO N_DATE	Invalid Adjustment Effective Date	Info	