Oracle Financial Services

Configure Cash Flow Edits

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Oracle Financial Services Configure Cash Flow Edits, Release 23.03.01

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1 Get Help

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.

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

2 Configure Cash Flow Edits Rule

The Cash Flow Edits Configuration Window allows you to configure a new Cash Flow Edits Rule. Later, this rule configuration can be used and executed using Cash Flow Edits Process UI. 125 rules are seeded as part of PBSM Cloud Service.

For more information, see the Cash Flow Edits Process Section.

Topics:

- Cash Flow Edits Summary Page
- Search Cash Flow Edits Rule
- Create Cash Flow Edits Rule
- View and Edit Cash Flow Edits Rule
- Copy Cash Flow Edits Rule
- Delete Cash Flow Edits Rule

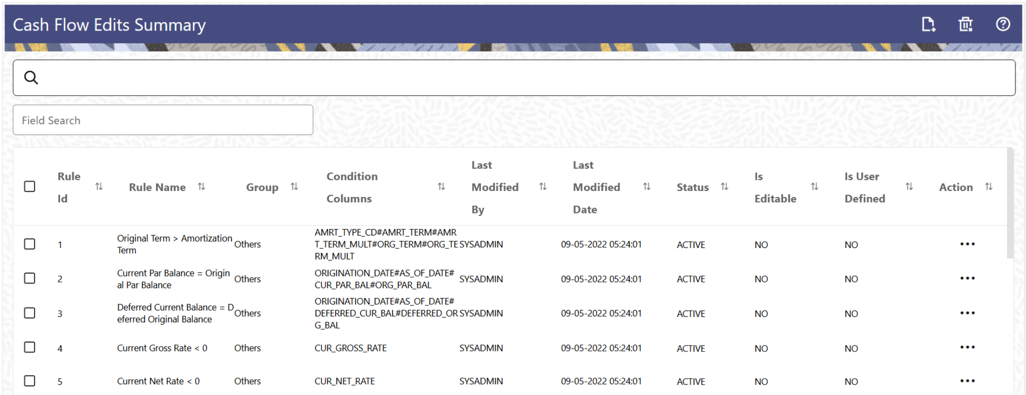
2.1 Cash Flow Edits Summary Page

This page is the gateway to all Cash Flow Edits Rules and related functionality. You can navigate to other pages relating to Cash Flow Edits Rules from this point. The Cash Flow Edits Summary Page displays the following columns.

Table 2-1 Cash Flow Edits Rule – Fields and Descriptions

Field	Description
Rule Id	Displays the code of Cash Flow Edits Rule.
Rule Name	Displays the Cash Flow Edits Rule's short name.
Group	Displays the Group of Cash Flow Edits Rule.
Condition Columns	Displays the Columns on which of Cash Flow Edits Rule is made.
Last Modified By	Displays the Name of the user who last modified the Cash Flow Edits Rule.
Last Modified Date	Displays the Date and Time when Cash Flow Edits Rule was modified last.
Status	Displays the Status of Cash Flow Edits Rule.
Is Editable	Displays the editable status of Cash Flow Edits Rule.
Is User Defined	Displays the user defined status of Cash Flow Edits Rule.
Action	Displays the list of actions that can be performed on the Cash Flow Edits Rule. For more information, see Cash Flow Edits Rule – Icons and Descriptions.

Figure 2-1   Cash Flow Edits Summary Page



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

Table 2-2   Cash Flow Edits Rule – Icons and Descriptions

Field	Description
Add	Click Add icon to build a new Cash Flow Edits Rule.
Multiple Delete	Select one or more rules in the table and then click the (-) icon at the top right of the summary page to delete more than one rule at the same time.
Help	Click Help icon to view the Cash Flow Edits Rule help.
View/Edit	Click on the **Action** icon against the Cash Flow Edits Rule and select View/Edit to view or Edit the contents of a Cash Flow Edits Rule in read/write format. Depending on user privileges the rule will open in either View or Edit mode.
Save As	Click on the **Action** icon against the Cash Flow Edits Rule and select Save As to create a copy of an existing Cash Flow Edits Rule.
Delete	Click on the **Action** icon against the Cash Flow Edits Rule and select Delete to delete an existing Cash Flow Edits Rule.

2.2 Search Cash Flow Edits Rule

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

- View
- Edits
- Copy (Save As)
- Delete

Prerequisites

Predefined Cash Flow Edits Rules

Procedure

To search the Cash Flow Edits Rule, follow these steps:

1. Navigate to the **Cash Flow Edits Summary** Page.
2. Enter the **Rule Id, Rule Name, Rule Group, Condition Column**, or **Is User Defined** status in Search Criteria.
3. Click **Search** .

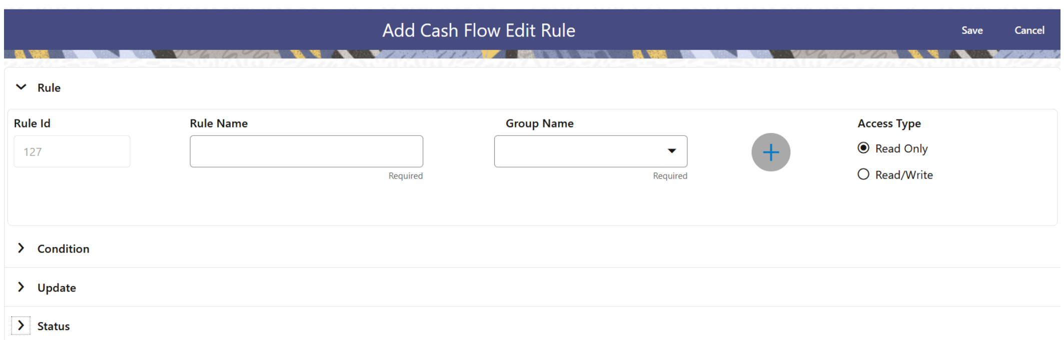
Only Cash Flow Edits Rules that match the search criteria are displayed.

2.3 Create Cash Flow Edits Rule

To add a new Cash Flow Edits Rule, follow these steps:

1. Navigate to **Cash Flow Edits Summary** Page.
2. Click the **Add** icon. The **Add Cash Flow Edits Rule** Window is displayed.

Figure 2-2 Add Cash Flow Edits Rule



3. Enter the following details:

Table 2-3 List of fields used for Creating Cash Flow Edits Process

Field	Description
Rule ID	Shows the ID of the Cash Flow Edits Rule. This is an auto generated numeric field. You cannot modify this.
Rule Name	Enter the name of the Cash Flow Edits Rule. This is an alphanumeric field. The maximum length of this field is 1000 characters.

Table 2-3 (Cont.) List of fields used for Creating Cash Flow Edits Process

Field	Description
Group Name	Select the Group Name from Group Name drop-down list. For example, Cash Flow. You can add new a Sub Group using Add icon. Adding a Sub Group To add a Sub Group, follow these steps: a. Click Add. The Add Group Window is displayed. b. Enter the following details: • **Group Name:** Name of new Group • **Parent Group:** Select Parent Group • **Group Id** is auto populated. These added Group/Sub Group Names will be populated in Cash Flow Edits Details section of Cash Flow Edits Process window.
Access Type	Select the Access Type as Read-Only or Read/ Write.
Condition ID	This field shows the Condition ID. This is an auto generated numeric field. You cannot modify this.
Condition Columns	Select the Columns using which you want to define the error condition expression.
Condition Statement	This field allows you to define the expression of a rule. You can define condition expression for selected Condition Columns (using the Condition Columns field). When you click the Condition Statement Field, the Expression Window is displayed. Define the condition and click Save.
Condition Message	Select the Condition message. You can add a new condition message using Add icon. For more information on Cash Flow Edits messages, see the Cash Flow Edits Execution section. To add a Condition Message, follow these steps: a. Click **Add** icon. The Add Message Window is displayed. Enter the following details: • **Message Type:** Select as Error, Warning, or Information • **Message Description:** Enter the Message details. • **Message ID** is auto populated. b. Click **Save**.
Update Columns	Select the columns which you want to update if error condition is met
Default Value Column	Select the columns from which you want to update columns selected in Update Columns.
Default Value	Enter the values that you want to update the columns selected in Update Columns.

Table 2-3 (Cont.) List of fields used for Creating Cash Flow Edits Process

Field	Description
Update Order	If the same column is getting updated by more than one rule then the order in which each rule applies must be selected here.
Status	Set the status of the rule as Active or Inactive.
User Defined	This field shows the User Defined status as Yes or No. You cannot modify this.
Editable	Set the Editable status of rule as Yes or No.

4. Click **Save**.

2.4 View and Edit Cash Flow Edits Rule

You can view the existing Cash Flow Edits Rule, and you can edit existing Cash Flow Edits Rules, provided you have Read/Write privileges.

To view and edits a Cash Flow Edits Rule, follow these steps:

1. Navigate to the **Cash Flow Edits Config Summary** Page.
2. Search for a Rule. For further information, see the Searching for Rules section.
3. Click on the **Action** icon against the Cash Flow Edits Rule and select **View/Edit** to open the rule you want to update.
4. Update the rule details.
5. Click **Apply** or **Save**, depending on the rule type.

You cannot edit out-of-box seeded rules.

2.5 Copy Cash Flow Edits Rule

You can copy Cash Flow Edits Rules to avoid entering data multiple times. This saves time and effort and also reduces mistakes.

To copy a Cash Flow Edits Rule, follow these steps:

1. Navigate to the **Cash Flow Edits Config** Summary Page.
2. Search for a Rule.
   For more information, see the Searching for Rules section.
3. Click on the **Action** icon against the Cash Flow Edits Rule and select **Save As** to duplicate the rule.
4. Select a folder where you want to save the rule copy.
5. Enter a unique name for the new rule.
6. (Optional) Enter a brief description of the rule.
7. Select the access type.
8. Click the **Save** button.

2.6 Delete Cash Flow Edits Rule

You can delete Cash Flow Edits Rules that are no longer required.

> **Note:**
>
> A Cash Flow Edits Rule cannot be retrieved after deletion.
>
> Restrictions on deleting Cash Flow Edits Rules are:
>
> - You cannot delete Cash Flow Edits Rules if you have only Read privileges. Only users with read/write privileges and Cash Flow Edits Rule owners can delete Cash Flow Edits Rules.
> - You cannot delete a Cash Flow Edits Rule that has a dependency.
> - You cannot delete out-of-box seeded rules.

To delete a Cash Flow Edits Rule, follow these steps:

1. Navigate to the **Cash Flow Edits Config Summary** Page.
2. Search for a Rule. For more information, see the Searching for Rules section.
3. Click on the **Action** icon against the Cash Flow Edits Rule and select **Delete**.

2.7 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.

Table 2-4 List of Error Codes for Cash Flow Edits

Rule ID	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	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	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	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	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	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	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	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	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	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	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	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	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 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	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	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	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, ((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 Principal Payment Date	Warning	
28	(AMRT_TYPE_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 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	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	
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	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
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	
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	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
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	
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	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	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_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	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	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	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	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	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	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	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	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	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	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	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	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	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	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	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	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	
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 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	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		Orginal Par Balance < Current Par Balance	Info	
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	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
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	
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	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
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	
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	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
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	
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	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
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	
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	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
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	
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	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	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	
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	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	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_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	
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_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	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
97	(ACCRUAL_BASIS_CD IN (1, 4, 5) and (INT_PMT_FREQ_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_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	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
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	
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	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
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	
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	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	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 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
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	
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	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
125	(ADJ_EFFECTIVE_DATE > MATURITY_DATE)	Adjustment Effective Date is after maturity date	ADJ_EFFECTIVE_DATE=ORIGINATION_DATE	Invalid Adjustment Effective Date	Info	
10001	(OPTION_RFR_IRC_CD > 0 and exists (select 1 from fsi_ircs where fsi_ircs.RISK_FREE_RATE_FLG is null or fsi_ircs.RISK_FREE_RATE_FLG = 0 and fsi_ircs.INTEREST_RATE_CD=SOURCE_TABLE.OPTION_RFR_IRC_CD))	Risk Free Interest Rate Curve is not defined as Risk-Free.		Invalid Risk Free Interest Rate Curve	Error	
10002	(OPTION_RFR_IRC_CD > 0 and exists (select 1 from fsi_ircs where fsi_ircs.ISO_CURRENCY_CD != SOURCE_TABLE.ISO_CURRENCY_CD and fsi_ircs.INTEREST_RATE_CD=SOURCE_TABLE.OPTION_RFR_IRC_CD))	Currency of risk free Interest Rate Curve is different from currency of instrument record.		Invalid Risk Free Interest Rate Curve	Error	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
10003	(OPTION_VOL_IRC_CD > 0 and exists (select 1 from FSI_VOL_SURFACE_MASTER where FSI_VOL_SURFACE_MASTER.ISO_CURRENCY_CD != SOURCE_TABLE.ISO_CURRENCY_CD and FSI_VOL_SURFACE_MASTER.VOL_SURFACE_SYS_ID=SOURCE_TABLE.OPTION_VOL_IRC_CD))	Currency of Volatility Surface is different from currency of instrument record.		Invalid Volatility Surface	Error	
10004	(EMBEDDED_OPTIONS_FLG = 1 and STRIKE_TYPE_CD not in (1,2))	Strike Type must be Rate or Price for instruments with embedded options.		Invalid Strike Type for Embedded Option	Error	
10005	(EMBEDDED_OPTIONS_FLG = 1 and EXERCISE_TYPE_CD not in (1,2,3))	Exercise type for instrument with embedded options must be American, Bermudan or European.		Invalid Exercise Type for Embedded Option	Error	
10006	(EMBEDDED_OPTIONS_FLG = 1 and EXERCISE_TYPE_CD = 1 and OPTION_START_DATE <= AS_OF_DATE)	Option Start Date for an American option must be after As of Date.		Invalid Option Start Date for American Option	Info	

Table 2-4 (Cont.) List of Error Codes for Cash Flow Edits

Rule ID	Error Condition	Error Description	Assignment	Warning	Error Level	Edits Priority
10007	(EMBEDDED_OPTIONS_FLG = 1 and OPTION_TYPE_CD not in (1,2))	Option Type must be Call or Put for instrument with Embedded Option.		Invalid Option Type for Embedded Option	Error	
10008	(EMBEDDED_OPTIONS_FLG = 1 and STRIKE_TYPE_CD = 2 and nvl(STRIKE_IRC_CD,0) < 1)	Strike type is Rate for instrument with Embedded Option but Strike Interest Rate Curve is not available.		Invalid Strike Interest Rate Curve for Embedded Option	Error	
10009	(EMBEDDED_OPTIONS_FLG = 1 and STRIKE_TYPE_CD = 2 and nvl(RATE_LOOKUP_CD, 0) not in (1,2,3,4))	Strike type is Rate for instrument with Embedded Option but Rate Lookup Code is not available.		Invalid Rate Lookup Code for Embedded Option	Error	