



F E D E R A L  
S T U D E N T A I D

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NSLDS II Reengineering  
Procedures Detail Design:  
Reasonability - Yearly (RSNY)  
P-RSNY-1

Version 1.0

**November 08, 2002**

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## Document Control

Version Number	Description	Release Date	Author
1.0	Initial Release	11/08/2002	David Marker

## 1 Reasonability Yearly (RSNY) Process

Separate from the loan detail data feed to NSLDS II, GAs also submit summary loan portfolio information on the Guaranty Agency Financial Report (Form 2000) directly to FMS. GAs use Form 2000 to request payments from and make payments to ED under the FFEL Program. The Form 2000 contains requests for reinsurance payments.

GAs must maintain detailed records to support each entry on the Form 2000 and be able to reconstruct the entries back to individual loan, borrower or lender levels, or to specific GA level transactions. This includes keeping accurate records of reinsurance payments and collections on defaulted loans at the loan and borrower level. Department of Education's instructions to the GAs state that records must be available for verification by the Secretary of Education or other authorized representatives of the U.S. Government.

Federal Student Aid (FSA) creates a yearly detail loan portfolio data extract as part of the job stream to support ED2000 Monitoring GA reasonability. The procedure may be initiated both in Default mode and On-request mode. Based on the time period specified by the user or computed in default mode, the matching data from Loan, Loan Guarantor, Guaranty Agency, Loan Cancellation, Repurchase Loan, and Loan Disbursements are retrieved. The ECMC GA Codes ('555' and '927') are bypassed, as they are not used for reasonability.

There are two sets of dates used in ED2000 monitoring reasonability: the report begin and end dates, which are the year begin and end dates, and extract begin and end dates. Currently the extract begin date is the set to the FFEL program inception date. However, this date may be modified in the future to limit the timeframe in which GA updates are accepted. The extract end date is set to be the same as the report end date.

The RSNY process is scheduled to run in default mode on the 60<sup>th</sup> day following the end of the fiscal year. The process may also be initiated in request mode for a single GA or for all GAs, if FSA determines such a re-computation is required due to the timing and/or corrections to detailed data provided by the GAs. The detail data is stored on NSLDS II and is available for transmit to the GAs upon request.

The RSNY Process consists of the following procedures:

- Online RSNY Request initiator (Web Screen) (**Section 1.1**)
- RSNY Detail Extract and Summarize (**Section 1.2**)
  - Define Report Parameters
  - Extract Detail Data
  - Calculate RSNY Summary
  - Backup RSNY Detail Data

## 1.1 Online RSNY Request Initiator (WEB Screen)

### 1.1.1 Procedure Specifications

<b>Procedure Name:</b>	Online RSNY Request Initiator
<b>Procedure Short Description:</b>	This is a Web data entry screen that facilitates the entry of parameters when RSNY computation is required
<b>Data Source:</b>	Authorized FSA or NSLDS II users manually enter data through custom MicroStrategy web interface
<b>Procedure Frequency:</b>	5-6 times a year
<b>Detailed Technical Requirement References:</b>	5.178
<b>Output Media:</b>	RPT_PARM and RPT_PARM_ATT tables. Variables sent to kick off RSNY Detail Extract and Summarize (Section 1.2)
<b>Output Target Platform:</b>	NSLDS II
<b>Output Storage Requirements:</b>	1 entry for RPT_PARM table and 4 entries for RPT_PARM_ATT table created for each requested run are stored permanently
<b>Related Reports/Screens:</b>	Reports (See Report Detail Design: R-MBR-001 Reasonability Annual Backup F2000 Report) MBR010 (See NSLDS II Reengineering Screens Detail Design: Exception Reports Section 3.14 Reasonability Yearly Form 2000 Report Parameter)

### 1.1.2 Procedure Flow

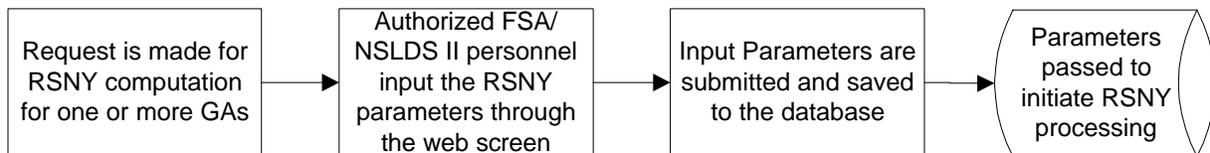


Figure 1, Online RSNY Request Initiator

### 1.1.3 Computational Logic – Input Requested Parameters

*/\*Request is made for RSNY computation for one or more GAs\*/*

*/\*Authorized FSA/NSLDS II personnel input the RSNY parameters through the web screen \*/*

Web Screen captures following data fields:

Fiscal Year (Year for which to compute the RSNY)

GA Code – single GA or ‘\*’ for All GAs

GA Over Ride Indicator – Y or N

Official Run Indicator – Y or N

/\* Note: See Screen Detail Design for validations i.e. GA Code must exist in GA table and unless Over Ride Indicator = Y then the GA.ACT\_CODE must = spaces\*/

/\* Input Parameters are submitted and saved to the database \*/

Create a RPT\_PARM

Create RPT\_PARM\_ATTR for the given Report Parameter

Set SEQ = 1

Set NUM\_VAL to Input Fiscal Year

Set SEQ = 2

Set CHAR\_VAL to Input GA Code

Set SEQ = 3

Set CHAR\_VAL to Input GA Over Ride Indicator

Set SEQ = 4

Set CHAR\_VAL to Official Run Indicator

/\* Parameters passed to initiate RSNY processing \*/

Call **RSNY Detail Extract and Summarize** procedure and pass RPT\_ID and PARM\_TSTAMP as variables

NOTE: the scheduled RSNY process is initiated by calling the **RSNY Detail Extract and Summarize** procedure with the following Report Parameters:

RPT\_ID = MBR010

PARM TSTAMP = 2999-12-31:00:00:00

### **1.1.3.1** Inputs

Web Input Screen

Note: Actual Web Screen will be in standard MicroStrategy format and may appear differently than above

### 1.1.3.2 Outputs

**RPT\_PARM** (Database Output, values also passed to initiate RSNY Detail Extract and Summarize procedure – RPT\_ID\_VAR & PARM\_TSTAMP\_VAR)

Data Element	Length	Type	Description	Mapping
RPT_ID	6	C	Used to distinguish between AMF, LPIF, Federal Receivables, and Reasonability extract.	“MBR010”
PARM_TSTAMP	10	T	Date web inputs were entered	System Time Stamp
UID	8	C	User of ID of requesting Individual	Pulled from requesting user’s log on

### RPT\_PARM\_ATTR

Data Element	Length	Type	Description	Mapping
RPT_PARM_RPT_ID	6	C	Used to distinguish between AMF, LPIF, and Federal Receivables extract.	RPT_PARM.RPT_ID
RPT_PARM_PARM_TSTAMP	10	T	Date web inputs were entered	RPT_PARM.PARM TSTAMP

<b>Data Element</b>	<b>Length</b>	<b>Type</b>	<b>Description</b>	<b>Mapping</b>
SEQ	2	N	Generic field used to give an ID for a report attribute	Sequence numbers 1-4 are populated, see section 1.1.3 logic.
CHAR_VAL	40	C	Generic field used to give a character value for a report attribute	Sequence numbers 1-4 are populated, see section 1.1.3 logic
NUM_VAL	12	N	Generic field used to give a numeric value for a report attribute	Sequence numbers 1-4 are populated, see section 1.1.3 logic
DT_VAL	10	T	Generic field used to give a date value for a report attribute	Sequence numbers 1-4 are populated, see section 1.1.3 logic.

#### 1.1.4 Procedure Assumptions

<b>#</b>	<b>Assumption</b>
1	Any requests made for recalculating the RSNY for a previous Fiscal Year are run using the current (as of run date) NSLDS data
2	The scheduled mode is set to run on the 60 <sup>th</sup> day after the end of the fiscal year regardless of any RSNY requests activity.

## 1.2 RSNY Detail Extract and Summarize

### 1.2.1 Procedure Specifications

<b>Procedure Name:</b>	RSNY Detail Extract and Summarize
<b>Procedure Short Description:</b>	The procedure first determines a report begin and end date. Based on this time period, the matching detail data is retrieved. This detail data is backed up and made available to the GAs upon request. The data is also summarized and used to populate the GA Summary table.
<b>Data Source:</b>	Report ID and Parameter Timestamp are passed as part of Schedule or Request initiation. Database tables with Loan, Student, School, GA , and Insurance Claim data.
<b>Procedure Frequency:</b>	On Request (5-6 times a year); and Scheduled once a year
<b>Detailed Technical Requirement References:</b>	5.178
<b>Output Media:</b>	DB2 EEE RSNY_DETAIL_TEMP, RSNY_DETAIL_DIFF_TEMP and GA_SUM Tables
<b>Output Target Platform:</b>	NSLDS II DB2 EEE
<b>Output Storage Requirements:</b>	RSNY_DETAIL_TEMP, RSNY_DETAIL_DIFF_TEMP and GA_SUM tables data stored permanently
<b>Related Reports/Screens:</b>	Reports (See Report Detail Design: R-MBR-001 Reasonability Annual Backup F2000 Report) MBR010 (See NSLDS II Reengineering Screens Detail Design: Exception Reports Section 3.14 Reasonability Yearly Form 2000 Report Parameter)

### 1.2.2 Procedure Flow

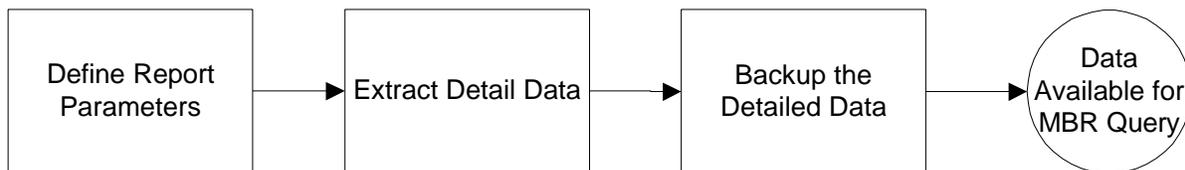


Figure 2, RSNY Detail Extract and Summarize

### 1.2.3 Computational Logic - Define Report Parameters

/\*\*\*\*\*  
This function determines if the application is running in Scheduled mode or in a Request mode. If it is in Scheduled mode, the Report Begin and End Dates are computed using the run date. If it is in Request mode, the Report Begin and End dates are calculated using the input Fiscal Year. For both modes, GA

info is retrieved from the Report Parameter Attribute table. A temp table is created, which is used in the next step when performing the actual detail data extract.

\*\*\*\*\*/

/\*Note this is just a check to ensure the correct variables are being passed to the procedure, this step should always pass\*/

If RPT\_ID\_VAR <> MBR010

    Procedure ends with error

End If

/\* Determine Report Begin and End dates for Scheduled Mode\*/

If PARM\_TSTAMP\_VAR = 2999-12-31:00:00:00

    Set Report End date equal to Latest end of the Fiscal Year Date (September 30) before the Current Date - (RPT\_PARAM\_ATT .NUM\_VAL where SEQ = 14)

    Set Report Begin date to begin of the same Fiscal Year (October 1)

    Populate PARM\_ATTR\_TEMP

/\* Determine Report Begin and End dates for Requested Mode\*/

Else

    Set Report Begin date to (October 1 and FY = RPT\_PARAM\_ATT.DT\_VAL where SEQ = 1 and RPT\_PARAM. RPT\_ID = MBR010)

    Set Report End date to (September 30 and FY = RPT\_PARAM\_ATT.DT\_VAL where SEQ = 1 and RPT\_PARAM. RPT\_ID = MBR010)

    Populate PARM\_ATTR\_TEMP

End If

### 1.2.3.1 Inputs

#### RPT\_PARM

Data Element	Length	Type	Description	Mapping
RPT_ID_VAR	6	C	Value for Report ID, should be MBR010	Passed as variable when procedure initiated (RPT_PARM.RPT_ID)
PARM_TSTAMP_VAR	26	T	Timestamp Text	Passed as variable when procedure initiated (RPT_PARM.PARM_TSTAMP)
UID	8	C	User ID of requesting Individual	Pulled from requesting user's log on

When the PARM\_TSTAMP is set to '2999-12-31:00:00:00', the application must be run in Scheduled mode. If the timestamp is set to any other valid value, the application must be run in On-request mode.

**RPT\_PARM\_ATTR**

Data Element	Length	Type	Description	Mapping
RPT_PARM_RPT_ID	6	C	Used to distinguish between AMF, LPIF, and Federal Receivables extract.	RPT_ID_VAR
RPT_PARM_PARM_TSTAMP	10	T	Date web inputs were entered	PARM_TSTAMP_VAR
SEQ	2	N	Generic field used to give an ID for a report attribute	Sequence numbers 1-4 are populated, see section 1.1.3 logic.
CHAR_VAL	40	C	Generic field used to give a character value for a report attribute	Sequence numbers 1-4 are populated, see section 1.1.3 logic
NUM_VAL	12	N	Generic field used to give a numeric value for a report attribute	Sequence numbers 1-4 are populated, see section 1.1.3 logic
DT_VAL	10	T	Generic field used to give a date value for a report attribute	Sequence numbers 1-4 are populated, see section 1.1.3 logic.

**RPT\_PARM\_ATTR (Static Values for Scheduled mode)**

NOTE: These static values must be added to the RPT\_PARM\_ATTR table

Parameter Meaning	SEQ	Attribute Populated	Possible Values
GA Code	2	CHAR_VAL	* (specifies all GA's)
GA inactive Override indicator	3	CHAR_VAL	'N'
Fee Paid Indicator	5	CHAR_VAL	'Y' - (fee needs to be paid- info needs to be sent to FMS)
Backup data required indicator	6	CHAR_VAL	'Y' - (backup data needs to be distributed to the GA).
Report Type	11	CHAR_VAL	'Y' —Yearly
Number of Days Back	14	NUM_VAL	'60' - Number used to compute Report End Date by as many days from the date on which the application is running

**RPT\_PARM\_ATTR (Values for Request mode)**

Parameter Meaning	SEQ	Attribute populated	Possible Values
Report Fiscal Year	1	NUM_VAL	YYYY format.
GA Code (e.g., RC8AFY):	2	CHAR_VAL	Valid NSLDS GA Code.
GA Override Indicator	3	CHAR_VAL	Y- indicates override even when GA is closed. N - indicates GA is disregarded if it is closed
Fee Paid Indicator	4	CHAR_VAL	Y- indicates fee needs to be paid using this date. N- indicates fee not paid.

### 1.2.3.2 Outputs

#### PARM\_ATTR\_TEMP

Data Element	Length	Type	Description	Mapping
RPT_ID	6	C	Value for Report ID is MBR010	RPT_PARM.RPT_PARM_RPT_ID
UID	8	C	User of ID of requesting Individual	RPT_PARM.UID
RPT_BEG_DT	8	D	Report Begin Date - First day of a Fiscal Year	Calculate in Procedure
RPT_END_DT	8	D	Report End Date - Last day of a Fiscal Year	Calculate in Procedure
GA_CODE	3	C	Code for the Guaranty or '*' to specify all agencies	RPT_PARM_ATTR
GA_INACT_O VRR_IND	1	C	When this is set to 'Y' then use the GA code for processing even if the activity code is set to 'CLOSED'	RPT_PARM_ATTR
FEE_PAY_IND	1	C	Flag indicating whether the run is official	RPT_PARM_ATTR
BACKUP_IND	1	C	Flag indicating whether backup data needs to be sent to the GA Not Applicable for RSNY	No Value

### 1.2.4 Computational Logic – Extract Detail Data

/\*\* #1 Select GAs – This is outer loop \*\*/

If input GA Code is '\*',

    Read each GA (guaranty agency) where GA.CODE ? ('555 or '927')

Else

    Read specific GA where GA.CODE = PARM\_ATTR\_TEMP.GA\_CODE and GA.CODE ? ('555 or '927')

End If

If PARM\_ATTR\_TEMP.GA\_INACT\_OVRR\_IND (inactive override indicator) = 'N' and  
GA.ACT\_CODE (Activity Code) NOT = spaces /\* If it is Spaces indicates the GA is active \*/  
Skip the GA and go to the next GA

End If

/\* Note this is just a back up check. This check should already have been made when the user enters  
the GA selection at the request web page \*/

If no GA is selected for input parameter criteria

Terminate processing with appropriate error message.

End If

/\*\* #2 Determine GA responsibility within the extract period. This is the inner loop; selecting Loan  
Guarantors (a Loan Guarantor is associated with one unique Loan) \*\*\*/

Read each LOAN\_GUA /\*Loan Guarantor\*/ associated with the GA where  
LOAN\_GUA.RESP\_BEG\_DT <= PARM\_ATTR\_TEMP.RPT\_END\_DT and  
LOAN\_GUA.RESP\_END\_DT >= PARM\_ATTR\_TEMP.RPT\_END\_DT and LOAN\_TYPE is FFEL /\*see  
Definitions for FFEL loan types \*/and LOAN\_GUA.VAL\_IND = spaces  
Extract LOAN\_GUA.RESP\_BEG\_DT, RESP\_END\_DT, and GA\_CODE

/\*\* #3 Check for case where the Loan is transferred to Debt Collection after the report end date but  
before the procedure run date\*\*\*/

/\*Initiate Current GA's Responsible End Date and Bypass Cancellation Variables\*/

Set OLD\_RESP\_END\_DT\_VAR = LOAN\_GUA.RESP\_END\_DT

Set BYPASS\_CAN\_FLAG\_VAR = 'N'

If another LOAN\_GUA exists for same Loan Where LOAN\_GUA.RESP\_BEG\_DT >=  
OLD\_RESP\_END\_DT\_VAR and LOAN\_GUA.GA\_CODE = '555' or '927'

Set BYPASS\_CAN\_FLAG\_VAR = 'Y'

/\* The loan has been transferred to Debt Collection or ECMC. Hence the Guaranty Amount has  
been adjusted to be net of Original Guaranty Amount-Original Cancellation Amount we should  
NOT extract if there are any cancellations. \*/

End If

/\*\* #4 Determine Loan Status and exclude Loans with Default Claim Reason \*\*\*/

If LOAN.CURR\_LOAN\_STAT in (VAL\_TRSL\_TAB.LKUP\_RSLT where LKUP\_TYPE\_NM =  
REAYRLYLOANSTATUS) /\*see Definitions for OPEN and PAID IN FULL loan status codes\*/ AND  
LOAN.CURR\_LOAN\_STAT.DT <= PARM\_ATTR\_TEMP.RPT\_END\_DT

Extract the CURR\_LOAN\_STAT and CURR\_LOAN\_STAT\_DT

Else

Extract latest LOAN\_STAT.CODE and LOAN\_STAT.DT associated with the LOAN where  
LOAN\_STAT.DT <= PARM\_ATTR\_TEMP.RPT\_END\_DT

If LOAN\_STAT.CODE in ('PF', 'PC', 'PN') /\*Paid in Full or Paid through Consolidation\*/

```
/* Bypass the loan if there is an Insurance Claim Payment immediately prior to Loan
Status Date that is in Default Claim reason */
If exists (Most recent INSUR_CL_PMT associated with current LOAN sorted Descending
INSUR_CL_PMT.DT where LOAN_STAT.DT > = INSUR_CL_PMT.DT And
INSUR_CL_PMT.RSN = 'DF' /*Default*/)
    Bypass Loan, Go to next LOAN_GUA for the GA
End if
End If
If LOAN_STAT.CODE in ('PC', 'PN') /*Paid through Consolidation*/
    /* Bypass the loan if there is a repurchase prior to the Loan Status*/
    If exists (Most recent RPCH_LOAN associated with current LOAN sorted Descending
    RPCH_LOAN.DT where RPCH_LOAN.DT < = LOAN_STAT.DT
        Bypass Loan, Go to next LOAN_GUA for the GA
    End If
End If
End if

/** #5 Determine Cancellation Amount **/
If BYPASS_CAN_FLAG_VAR = 'N'
    If LOAN.CURR_CAN_DT <= PARM_ATTR_TEMP.RPT_END_DT
        Extract LOAN.TOT_CAN and LOAN.CURR_CAN_DT
    Else /*There have been cancellations after the report end date but before the run date*/
        Read each LOAN_CAN associated with the LOAN sorted descending LOAN_CAN.DT
        where LOAN_CAN.DT <= PARM_ATTR_TEMP.RPT_END_DT
        Extract LOAN_CAN.DT and LOAN_CAN.CUM_AMT from most recent LOAN_CAN
    End If
End If

/** #6 Determine Disbursement Amount **/
If LOAN.CURR_DIS_DT <= PARM_ATTR_TEMP.RPT_END_DT
    Extract LOAN.TOT_DIS and LOAN.CURR_DIS_DT
Else /*There have been disbursements after the report end date but before the run date*/
    Read each LOAN_DIS associated with the LOAN sorted descending LOAN_DIS.DT where
    LOAN_DIS.DT <= PARM_ATTR_TEMP.RPT_END_DT
    Extract LOAN_DIS.DT and LOAN_DIS.CUM_AMT from most recent LOAN_DIS
End If

/** #7 Extract remaining Loan data **/
Extract remaining attributes from LOAN and set NSLDS_CODE = '5025'
```

#### 1.2.4.1 Inputs

PARM\_ATTR\_TEMP  
(See 1.2.3.1 Define Report Parameters section for layout)

Base Tables and Data Elements  
See Outputs for mapping

Entity/Table	Data Element
LOAN	ID_STU_SEQ_NO
	SEQ_NO
	NO
	DT
	AMT
	TOT_CAN
	CURR_CAN_DT
	ED_FFEL_REG_CODE
	PER_BEG_DT
	PER_END_DT
	CURR_MAT_DT
	OUT_PRIN_BAL
	OUT_PRIN_BAL_DT
	CURR_LOAN_STAT
	CURR_LOAN_STAT_DT
	ORIG_LEN_CODE
	CURR_LEN_CODE
	CURR_LEN_SVR_CODE
	SCH_CODE
	SCH_BR_CODE
	FDSL_P_ORIG_SVR
	LOAN_TYPE
LOAN_GUA	RESP_BEG_DT
	RESP_END_DT
	GA_CODE
INSUR_CL_PMT	DT
	RSN_CODE
LOAN_DIS	DT
	CUM_AMT

Entity/Table	Data Element
LOAN_CAN	DT
	CUM_AMT
RPCH_LOAN	DT
	AMT

#### 1.2.4.2 Outputs

##### **RSNY\_DETAIL\_TEMP**

Data Element	Length	Type	Description	Mapping
NSLDS_CODE	4	Num	Record Type set to 5025	'5025'
RPT_BEG_DT	8	Date	Report Begin Date - First day of a Fiscal Year	PARM_ATTR_TEMP. RPT_BEG_DT
RPT_END_DT	8	Date	Report End Date - Last day of a Fiscal Year	PARM_ATTR_TEMP. RPT_END_DT
GA_CODE	3	Char	Code for guaranty agency	LOAN_GUA.GA_CO DE
LOAN_GUA_RESP_BEG_DT	8	Date	Begin Date when the GA was responsible for a particular loan.	LOAN_GUA.RESP_B EG_DT
LOAN_GUA_RESP_END_DT	8	Date	End Date when the GA was responsible for a particular loan.	LOAN_GUA.RESP_E ND_DT
LOAN_NO	9	Num	Number which uniquely identifies a specific loan	LOAN.NO
LOAN_ID_STU_SEQ_NO	4	Num	Number, which denotes attribute of the originating student when the loan was created.	LOAN.ID_STU_SEQ_ NO
LOAN_SEQ_NO	4	Num	Number which keeps the student number unique	LOAN.SEQ_NO
LOAN_TYPE	2	Num	Type of loan	LOAN.LOAN_TYPE
LOAN_DT	8	Date	The Date on which the Loan was Guaranteed	LOAN.DT
LOAN_AMT	6	Num	Amount of Guaranty	LOAN.AMT

<b>Data Element</b>	<b>Length</b>	<b>Type</b>	<b>Description</b>	<b>Mapping</b>
CAN_DT	8	Date	Date when all or part of a loan was canceled; CCYYMMDD format. When the Amount of Cancellation is zero, this will have the default value 00000000.	LOAN.CURR_CAN_DT or LOAN_CAN.DT (see procedure logic)
CAN_AMT	6	Num	The cumulative amount of loan or disbursement(s) that was cancelled, including other loans cancelled and unconsummated loans cancelled as of the end of the FY.	LOAN.TOT_CAN or LOAN_CAN.CUM_AMT (see procedure logic)
NET_AMT	6	Num	Loan Amount less any Cancellations	Calculate as LOAN_AMT – CAN_AMT
CURR_LOAN_STAT_DT	2	Char	Date on which the current code for loan status became effective.	LOAN.CURR_LOAN_STAT_DT or LOAN_STAT.DT
CURR_LOAN_STAT	8	Date	Code representing the loan status of a borrower's loan as reflected in the Guaranty Agency's System at the end of the FY.	LOAN.CURR_LOAN_STAT or LOAN_STAT.CODE
DIS_DT	8	Date	Date of latest disbursement as reported to NSLDS before the FY end date; CCYYMMDD format.	LOAN.CURR_DIS_DT or LOAN_DIS.DT (see procedure logic)
DIS_AMT	6	Num	The cumulative amount of loan disbursement(s) last reported to NSLDS before the FY end date.	LOAN.TOT_DIS or LOAN_DIS.CUM_AMT (see procedure logic)
LOAN_OUT_PRIN_BAL_DT	8	Num	Date on which value in Amount of Outstanding Principal Balance was updated.	LOAN.OUT_PRIN_BAL_DT
LOAN_OUT_PRIN_BAL	6	Num	The cumulative dollar value of the outstanding balance due on a loan, including capitalized interest.	LOAN.OUT_PRIN_BAL
LOAN_CURR_MAT_DT	8	Date	Loan Date of Maturity (Date entered Repayment)	LOAN.CURR_MAT_DT
LOAN_PER_BEG_DT	8	Date	Date on which Enrollment Period begins.	LOAN.PER_BEG_DT
LOAN_PER_END_DT	8	Date	Date on which Enrollment Period ends.	LOAN.PER_END_DT
LOAN_CURR_LEN_SVR_CODE	6	Char	Code for Lender Servicer as of the extract date of this file	LOAN.CURR_LEN_SVR_CODE

Data Element	Length	Type	Description	Mapping
LOAN_CURR_LE N_CODE	6	Char	Code for Current Lender as of the extract date of this file	LOAN.CURR_LEN_C ODE
LOAN_ORIG_LEN _CODE	6	Char	Code for Original Lender. All loans originally created from DCS or TGA will have this set to 000000.	LOAN.ORIG_LEN_C ODE
LOAN.FFEL_DUP_ ID.	1	Char	This attribute will uniquely identify those FFEL loans where Date of Guaranty does not provide sufficient uniqueness (i.e., for the same student at the same school for the same loan type, two or more FFEL loans may be issued on the same day). Values are A through Z.	LOAN.FFEL_DUP_ID
BYPASS_CAN_F LAG	1	Char	Indicator when set to 'Y, the Cancellation Amount reset to 0, as the guaranty amount has already been subrogated and reflects the adjusted amount.	See Procedure Logic - BYPASS_CAN_FLA G_VAR
OPE_CODE	8	Char	ED Office of Post secondary Education (OPE) code for school in which student was enrolled or accepted for enrollment at the time the loan was made.	LOAN.SCH_CODE + LOAN.SCH_BR_COD E
EXTERNAL_ID	21	Char	Unique ID that has been assigned to a loan by the Guaranty agency (optional Future).	LOAN_EXTERNAL_I D.CODE

### 1.2.4.3 Definitions

#### Loan Type Codes

Program	Type Code	Description
FFEL	CL	FFEL Consolidated
	PL	FFEL PLUS
	RF	FFEL Refinanced
	SF	FFEL Stafford Subsidized
	SL	Supplemental Loan (SLS)
	SN	FFEL Stafford Non-Subsidized
	SU	FFEL Stafford Unsubsidized

**Loan Status Codes**

Status Category	Status Code	Description
Open (Interim Loan)	ID, IA, IG and IM (ID replaces by IA, IC, and IM put still need to pull all)	In School/Grace
Paid In Full	PF	Paid in Full
	PC, PN	Paid through Consolidation

1.2.5 Computational Logic – Calculate RSNY Summary

/\*  
\*\*\*\*\*  
This piece of the RSNY procedure sums the RSNY detail and then loads the GA\_SUM table. The data is summarized by GA and then by Loan Type within the GA.  
\*\*\*\*\*  
\*/

/\* Calculate the following using the RSNY\_DETAIL\_DIFF\_TEMP and RSNY\_NET\_INSUR\_TEMP tables\*/

Group RSNY\_DETAIL\_TEMP by GA and Status  
Sum AMT (across all loan type)  
Leave Loan Type blank  
Set NSLDS Code to 8912 for Paid in Full and 8913 for Open Status

Group RSNY\_DETAIL\_TEMP by GA, Status, and Loan Type  
Sum AMT (For a single Loan type)  
Set NSLDS Code to 8912 for Paid in Full and 8913 for Open Status

Set GA\_SUM.OFFC\_RUN\_IND = PARM\_ATTR\_TEMP.FEE\_PAY\_IND

/\*Check if there is already a run for the same time period\*/  
If GA\_SUM record exists where (RPT\_BEG\_DT = PARM\_ATTR\_TEMP.RPT\_BEG\_DT and RPT\_END\_DT = PARM\_ATTR\_TEMP.RPT\_END\_DT and GA\_CODE = (RSNY\_DETAIL\_DIFF\_TEMP.GA\_CODE or RSNY\_NET\_INSUR\_TEMP.GA\_CODE) and AGG\_DESC\_DET\_ID = (RSNY\_DETAIL\_DIFF\_TEMP.LOAN\_TYPE or RSNY\_NET\_INSUR\_TEMP.LOAN\_TYPE or Blank as set in Procedure logic)  
Set GA\_SUM.CMPT\_TYPE = 'R' /\*File contains recomputed data\*/  
If GA\_SUM.OFFC\_RUN\_IND = Y for old and new entries  
/\* If a GA\_SUMMARY table entry already exists for the period, then the old record must be updated by setting fee paid indicator = space \*/  
Set GA\_SUM.OFFC\_RUN\_IND for the old record to space  
End if  
Else

```
Set GA_SUM.CMPT_TYPE = 'O' /*File contains original data*/
End If
```

```
Set GA_SUM.SRC (source) = 'NSL2000'
```

Set Create time and Create Date from system current timestamp.

Create GA\_SUMMARY occurrence only for each NON-zero aggregated value computed above.

```
/*If the run is official, check whether there is another official run for any proceeding fiscal years. If this
is the case, the proceeding period must be re-run to account for the domino effect*/
```

```
If PARM_ATTR_TEMP.FEE_PAY_IND = 'Y' and GA_SUM record exists where (RPT_BEG_DT =
PARM_ATTR_TEMP.RPT_BEG_DT + 1 and RPT_END_DT = PARM_ATTR_TEMP.RPT_END_DT +1
and GA_CODE = (RSNY_DETAIL_DIFF_TEMP.GA_CODE or RSNY_NET_INSUR_TEMP.GA_CODE)
and AGG_DESC_DET_ID = (RSNY_DETAIL_DIFF_TEMP.LOAN_TYPE or
RSNY_NET_INSUR_TEMP.LOAN_TYPE or Blank as set in Procedure logic)
```

```
    Create a new RPT_PARM and RPT_PARM_ATTR identical to the current ones, except
    increment the Report Year
```

```
    Kick off the RSNY Detail Extract and Summarize Procedure again by passing the RPT_PARM
    values
```

```
    /*** Note: Run the Backup RSNY Detail Data step (see 1.2.6) before kicking the procedure off
    again***/
```

```
End If
```

### 1.2.5.1 Inputs

PARM\_ATTR\_TEMP (see 1.2.3.2 Outputs for layout)

RSNY\_DETAIL\_DIFF\_TEMP (see 1.2.5.2 Outputs for layout)

RSNY\_NET\_INSUR\_TEMP (see 1.2.7.2 Outputs for layout)

### 1.2.5.2 Outputs

#### GA\_SUM

Data Element	Length	Type	Description	Mapping
AGG_DESC_DET_ID	2	N	Designer added attribute, which will allow a unique identification of an occurrence of this entity. It will allow for grouping of aggregate descriptor items.  For RSNY, Loan Type is used	See Procedure Logic (RSNY_DETAIL_TEMP.LOAN_TYPE or Blank for GA total record)
AGG_DESC_ID	2	N	Designer added attribute, which will allow a unique identification of an occurrence of this entity.	See Procedure Logic

<b>Data Element</b>	<b>Length</b>	<b>Type</b>	<b>Description</b>	<b>Mapping</b>
AMT	15	N	A calculated total dollar amount based on an associated AGGREGATE_DESCRIPTOR. Note that this attribute is optional. Examples of summarized amounts would be Loan Amount Guaranty, Amount of Cancellations, Claim Amount, Repurchase Amount, etc.	See Procedure Logic
CMPT_TYPE	1	C	This represents the type of computation for the summarized data. First time it will be set to O, which implies it is Original Computation for NSLDS, summarized data. For ED form data it represents the first time reporting for a specific period. If the data were to be received more than once or computed multiple	See Procedure Logic
GA_CODE	3	C	Three-digit, all numeric identification code of the GA guaranteeing an FFEL Program Loan.	PARM_ATTR_TEMP. GA_CODE
NO	4	N	A calculated total number of loans or accounts based on the associated AGGREGATE_DESCRIPTOR. Note that this attribute is optional – RSNY processing currently does not do	NULL
OFFC_RUN_IND	1	C	This represents the record type of the summary record. When set to Y indicates that the summary record was used to pay Fee such as LPIF and RSNY. When set to blank, the GA Summary record was used only for analysis, but not for Fee Payment.	PARM_ATTR_TEMP. FEE_PAY_IND
RPT_BEG_DT	8	D	Start date for which the report is to be generated. Normally this is the beginning of a Year or a Month.	PARM_ATTR_TEMP.RPT _BEG_DT
RPT_END_DT	8	D	End date for which the report is to be generated. This is normally end of year or end of a month.	PARM_ATTR_TEMP.RPT _END_DT
SRC	8	C	This will identify the source of the Summary information. For NSLDS computed form 2000 information it will be NSL2000. The corresponding ED2000 line item data from GAQ will be ED2000. Similarly it will be NSL2000 and ED2000 for form 2000 processing. For information not related to any of the forms it will be simply NSLDS.	'NSL2000'

<b>Data Element</b>	<b>Length</b>	<b>Type</b>	<b>Description</b>	<b>Mapping</b>
SYS_CR_DT	8	D	For NSLDS it is the date on which the summary was created. For ED 2000 line item it is the date when the submittal file was created by the GAQ system. Format is CCYYMMDD.	Current System Timestamp
SYS_CR_TM	8	T	For NSLDS it is the date on which the summary was created. For ED 2000 line item it is the date when the submittal file was created by the GAQ system. Format is HH:MM:SS.	Current System Timestamp

### 1.2.5.3 Definitions

#### NSLDS Codes for ED2000 Line Items

<b>NSLDS Codes for ED2000 Line Items (FY Data)</b>		
<b>ED Form 2000 Line Item</b>	<b>ED2000 Line Item Number</b>	<b>NSLDS Assigned Code</b>
Loans Guaranteed Amount (except Federal Consolidation) (Include Federal SLS and Federal Plus Refinanced loans)	AR-1	8901
Loans Canceled Amount (except Federal Consolidation) (Sum of Unconsummated and Other)	AR-2	8902
Federal Consolidation Loans Guaranteed Amount	AR-3	8903
Federal Consolidation Loans Canceled Amount	AR-4	8904
Loans Transferred In	AR-6	8906
Loans Transferred Out	AR-7	8907
Default Claim Paid	AR-8	8908
Death and Disability Claims Paid	AR-10	8910
Closed School/ False Certification Claims Paid	AR-11	8911
Loans Paid in Full	AR-12	8912
Federal Stafford and Unsubsidized Stafford Interim Loans	AR-13	8913
Loan Processing and Issuance Fee	AR-33	8933

<b>NSLDS Codes for ED2000 Line Items (FY Data)</b>		
<b>ED Form 2000 Line Item</b>	<b>ED2000 Line Item Number</b>	<b>NSLDS Assigned Code</b>
Account Maintenance Fee	AR-34	8934
LPIF Guaranty Amount		8950
LPIF Cancellation Amount		8951
LPIF Disbursement Amount		8952
AMF Guaranty Amount		8953
AMF Cancellation Amount		8954
AMF Net Guaranty		8955

### 1.2.6 Computational Logic –Backup RSNY Detail Data

/\*\*\*\*\*  
 This step of the procedure creates the tables/flat files that will be stored for future RSNY MBR011 queries. The table/file naming convention will indicate when the procedure was run, what reporting period it is for, and whether it was an official run.  
 \*\*\*\*\*/

/\*Create the Dataset Name that will be used for MBR011 Reasonability Yearly query functionality\*/

If official run indicator = 'Y'

Select all detail records from RSNY\_DETAIL\_TEMP table ordered by GA\_CODE  
 Set User ID = RPT\_PARM.UID  
 Set Fiscal Year End = PARM\_ATTR\_TEMP.RPT\_END\_DT  
 Set Time Stamp as SAME timestamp used to populate GA\_SUM in the previous step

Set the table/backup file dataset name as NSLPOFFIC +User ID +RSNY + Fiscal Year End Date  
 +Time Stamp (CCYYMMDDHH:MM:SS)  
 (i.e. NSLPOFFIC.S2S12360.RSNY09312002.2002111409:16:30)  
 /\* 'OFFIC' indicates the procedure run was official \*/

Else /\* official run indicator = 'N'\*/

Select all detail records from RSNY\_DETAIL\_TEMP table ordered by GA\_CODE  
 Set User ID = PARM\_ATTR\_TEMP.UID  
 Set Fiscal Year End = PARM\_ATTR\_TEMP.RPT\_END\_DT  
 Set Time Stamp as SAME timestamp used to populate GA\_SUM in the previous step

Set the table/backup file dataset name as NSLPUN +User ID +RSNY + Fiscal Year End Date  
+Time Stamp (CCYYMMDDHH:MM:SS)  
(i.e. NSLPUN.S2S12360.RSNY09312002.2002111409:16:30)  
/\* 'UN' indicates the procedure run was not official \*/

End If

/\*Note: MBR011 queries for these tables/flat files by name. If the MBR011 is querying for an official run it should take the most recent OFFIC by looking at the timestamp\*/

Backup the Detail Data Tables/Files

End the Procedure

### 1.2.6.1 Inputs

PARM\_ATTR\_TEMP (see 1.2.3.2 Outputs for layout)

RSNY\_DETAIL\_TEMP (see 1.2.4.2 Outputs for layout)

GA\_SUM (see 1.2.5.2 Outputs for layout)

### 1.2.6.2 Outputs

See the Procedure for the Backup Tables/Files naming conventions. These Backup Tables/Files have the same layout as the temp table: RSNY\_DETAIL\_TEMP (see 1.2.4.2 Outputs for layout)

### Cumulative Table/File

Data Element	Length	Type	Description	Mapping
NSLDS_CODE	4	Num	Record Type set to 5025	RSNY_DETAIL_TEM P.NSLDS_CODE
RPT_BEG_DT	8	Date	Report Begin Date - First day of a Fiscal Year	RSNY_DETAIL_TEM P.RPT_BEG_DT
RPT_END_DT	8	Date	Report End Date - Last day of a Fiscal Year	RSNY_DETAIL_TEM P.RPT_END_DT
GA_CODE	3	Char	Code for guaranty agency	RSNY_DETAIL_TEM P.GA_CODE
LOAN_GUA_RESP_BEG_DT	8	Date	Begin Date when the GA was responsible for a particular loan.	RSNY_DETAIL_TEM P.LOAN_GUA_RESP_BEG_DT
LOAN_GUA_RESP_END_DT	8	Date	End Date when the GA was responsible for a particular loan.	RSNY_DETAIL_TEM P.LOAN_GUA_RESP_END_DT

<b>Data Element</b>	<b>Length</b>	<b>Type</b>	<b>Description</b>	<b>Mapping</b>
LOAN_NO	9	Num	Number which uniquely identifies a specific loan	RSNY_DETAIL_TEM P.LOAN_NO
LOAN_ID_STU_SE Q_NO	4	Num	Number, which denotes attribute of the originating student when the loan was created.	RSNY_DETAIL_TEM P.LOAN_ID_STU_SE Q_NO
LOAN_SEQ_NO	4	Num	Number which keeps the student number unique	RSNY_DETAIL_TEM P.LOAN_SEQ_NO
LOAN_TYPE	2	Num	Type of loan	RSNY_DETAIL_TEM P.LOAN_TYPE
LOAN_DT	8	Date	The Date on which the Loan was Guaranteed	RSNY_DETAIL_TEM P.LOAN_DT
LOAN_AMT	6	Num	Amount of Guaranty	RSNY_DETAIL_TEM P.LOAN_AMT
CAN_DT	8	Date	Date when all or part of a loan was canceled; CCYYMMDD format. When the Amount of Cancellation is zero, this will have the default value 00000000.	RSNY_DETAIL_TEM P.CAN_DT
CAN_AMT	6	Num	The cumulative amount of loan or disbursement(s) that was cancelled, including other loans cancelled and unconsummated loans cancelled as of the end of the FY.	RSNY_DETAIL_TEM P.CAN_AMT
NET_AMT	6	Num	Loan Amount less any Cancellations	RSNY_DETAIL_TEM P.NET_AMT
CURR_LOAN_STA T_DT	2	Char	Date on which the current code for loan status became effective.	RSNY_DETAIL_TEM P.CURR_LOAN_STA T_DT
CURR_LOAN_STA T	8	Date	Code representing the loan status of a borrower's loan as reflected in the Guaranty Agency's System at the end of the FY.	RSNY_DETAIL_TEM P.CURR_LOAN_STA T
DIS_DT	8	Date	Date of latest disbursement as reported to NSLDS before the FY end date; CCYYMMDD format.	RSNY_DETAIL_TEM P.DIS_DT
DIS_AMT	6	Num	The cumulative amount of loan disbursement(s) last reported to NSLDS before the FY end date.	RSNY_DETAIL_TEM P.DIS_AMT
LOAN_OUT_PRIN _BAL_DT	8	Num	Date on which value in Amount of Outstanding Principal Balance was updated.	RSNY_DETAIL_TEM P.LOAN_OUT_PRIN _BAL_DT

<b>Data Element</b>	<b>Length</b>	<b>Type</b>	<b>Description</b>	<b>Mapping</b>
LOAN_OUT_PRIN_BAL	6	Num	The cumulative dollar value of the outstanding balance due on a loan, including capitalized interest.	RSNY_DETAIL_TEM P.LOAN_OUT_PRIN_BAL
LOAN_CURR_MAT_DT	8	Date	Loan Date of Maturity (Date entered Repayment)	RSNY_DETAIL_TEM P.LOAN_CURR_MAT_DT
LOAN_PER_BEG_DT	8	Date	Date on which Enrollment Period begins.	RSNY_DETAIL_TEM P.LOAN_PER_BEG_DT
LOAN_PER_END_DT	8	Date	Date on which Enrollment Period ends.	RSNY_DETAIL_TEM P.LOAN_PER_END_DT
LOAN_CURR_LEN_SVR_CODE	6	Char	Code for Lender Servicer as of the extract date of this file	RSNY_DETAIL_TEM P.LOAN_CURR_LEN_SVR_CODE
LOAN_CURR_LEN_CODE	6	Char	Code for Current Lender as of the extract date of this file	RSNY_DETAIL_TEM P.LOAN_CURR_LEN_CODE
LOAN_ORIG_LEN_CODE	6	Char	Code for Original Lender. All loans originally created from DCS or TGA will have this set to 000000.	RSNY_DETAIL_TEM P.LOAN_ORIG_LEN_CODE
LOAN.FFEL_DUP_ID	1	Char	This attribute will uniquely identify those FFEL loans where Date of Guaranty does not provide sufficient uniqueness (i.e., for the same student at the same school for the same loan type, two or more FFEL loans may be issued on the same day). Values are A through Z.	RSNY_DETAIL_TEM P.LOAN.FFEL_DUP_ID
BYPASS_CAN_FLAG	1	Char	Indicator when set to 'Y, the Cancellation Amount reset to 0, as the guaranty amount has already been subrogated and reflects the adjusted amount.	RSNY_DETAIL_TEM P.BYPASS_CAN_FLAG
OPE_CODE	8	Char	ED Office of Post secondary Education (OPE) code for school in which student was enrolled or accepted for enrollment at the time the loan was made.	RSNY_DETAIL_TEM P.OPE_CODE
EXTERNAL_ID	21	Char	Unique ID that has been assigned to a loan by the Guaranty agency (optional Future).	RSNY_DETAIL_TEM P.EXTERNAL_ID

### 1.2.7 Procedure Assumptions Procedure Assumptions

#	Assumption
1	The RSNY is computed as of the date of the run.
2	Scheduled mode is always run 60 days after the last day of the Fiscal Year. If the scheduled mode is run before the set Number of Days Back (SEQ 14), then it will be a re-run of the scheduled mode run the prior year.
3	All detailed RSNY Info will be backed up. The backup and retrieval process is still being detailed. Currently NSLDS spools the back up to tape and then retrieves it from tape when needed.
4	The RSNY is computed as of the date of the run. If the RSNY is run for a previous year, values that do not have history (such as Loan Amount) will reflect the value as of the run date, not the historical value.
5	If the RSNQ is run for a past year and the official run indicator is 'N', no future years will be re-run (to account for the domino effect of historical changes)