



F E D E R A L
S T U D E N T A I D
We Help Put America Through School

FSA Modernization Partner

NSLDS II Reengineering
Reports Detailed Design:
GA Submittal Top 10 Errors and Error Rate
Summary Report
R-GAERRS-001

Version 1.0

November 8, 2002

Table of Contents

1	GA SUBMITTAL TOP 10 ERRORS AND ERROR RATE SUMMARY REPORT.....	2
1.1	GA SUBMITTAL TOP 10 ERRORS SUMMARY REPORT (GAS)	2
1.1.1	Overview.....	2
1.1.2	Filter Specifications.....	2
1.1.3	Attribute Specifications.....	2
1.1.4	Metric Specifications.....	3
1.1.5	Hierarchies for Drilling.....	3
1.2	GA SUBMITTAL TOP 10 ERRORS SUMMARY REPORT (ED)	4
1.2.1	Overview.....	4
1.2.2	Filter Specifications.....	4
1.2.3	Attribute Specifications.....	4
1.2.4	Metric Specifications.....	4
1.2.5	Hierarchies for Drilling.....	5
1.3	GA SUBMITTAL TOP 10 ERROR RATE SUMMARY REPORT (ED)	6
1.3.1	Overview.....	6
1.3.2	Filter Specifications.....	6
1.3.3	Attribute Specifications.....	7
1.3.4	Metric Specifications.....	7
1.3.5	Hierarchies for Drilling.....	8
1.4	GA SUBMITTAL TOP 10 ERRORS AND ERROR RATE SUMMARY DOCUMENT.....	9
1.5	GA SUBMITTALS TOP 10 ERRORS SUMMARY REPORT (ED).....	10
1.5.1	Overview.....	10
1.5.2	Filter Specifications.....	10
1.5.3	Attribute Specifications.....	10
1.5.4	Metric Specifications.....	10
1.5.5	Hierarchies for Drilling.....	11
1.6	GA SUBMITTALS TOP 10 ERROR RATE SUMMARY REPORT (ED).....	12
1.6.1	Overview.....	12
1.6.2	Filter Specifications.....	12
1.6.3	Attribute Specifications.....	12
1.6.4	Metric Specifications.....	13
1.6.5	Hierarchies for Drilling.....	14
1.7	GA SUBMITTALS TOP 10 ERRORS AND ERROR RATE SUMMARY DOCUMENT.....	15

Document Control

Version Number	Description	Release Date	Author
1.0	Initial Issue	11/08/2002	Allison P. Webster

1 GA Submittal Top 10 Errors and Error Rate Summary Report

This design is composed of five reports, imbedded into two document objects:

- GA Submittal Top 10 Errors Summary Report (GAs) (**Section 1.1**)
- GA Submittal Top 10 Errors Summary Report (ED) (**Section 1.2**)
- GA Submittal Top 10 Error Rate Summary Report (ED) (**Section 1.3**)
- GA Submittal Top 10 Errors and Error Rate Summary Document (ED) (**Section 1.4**)
- GA Submittals Top 10 Errors Summary Report (ED) (**Section 1.5**)
- GA Submittals Top 10 Error Rate Summary Report (ED) (**Section 1.6**)
- GA Submittals Top 10 Errors and Error Rate Summary Document (ED) (**Section 1.7**)

1.1 GA Submittal Top 10 Errors Summary Report (GAs)

1.1.1 Overview

Description	The GA Submittal Top 10 Errors Report provides a list of the top ten field-in-error/error code combinations for a guaranty agency.
User Group	GAs
Data Source	NSLDS II Data Mart
Output Media	Online Viewing, Exportable File
Frequency	On Request
Requirements Traceability	2.030
Comments	This report corresponds to the GAERRS - GA Loan Error Rates and Top 10 Errors Report and the DPOSU #17 - Run Top 10 Error Report query in NSLDS.

1.1.2 Filter Specifications

Filter	Filter Description	Prompt	Default	Min/Max	Type
Top 10 Errors	This filter limits the result set by the top ten errors in the GA submittal.	No	N/A	N/A	Report as Filter

1.1.3 Attribute Specifications

Attribute	NSLDS Table	NSLDS Attribute
Guaranty Agency (<i>code</i>)	GA_SBMTL_RUN_ERR	SBMTL_HIS_CODE
Guaranty Agency (<i>name</i>)	GA	NM

1.1.4 Metric Specifications

Metric	Metric Description	Subtotal/ Grand Total	NSLDS Table	NSLDS Attribute
GA Submittal Error Count	This metric is the cumulative number of errors that have occurred.	N/A	GA_SBMT L_RUN_E RR	FLD_IN_ER R_CODE
GA Submittal Field in Error Code	This metric is the error code of field in error.	N/A	GA_SBMT L_RUN_E RR	FLD_IN_ER R_CODE
Field in Error Description	This metric is the description of the field in which the error occurred.	N/A	N/A	N/A
GA Submittal Error Code	The error code for this specific error.	N/A	GA_SBMT L_RUN_E RR	ERR_CODE
Error Message	This metric is the message description of the error that occurred.	N/A	TBD	TBD

1.1.5 Hierarchies for Drilling

No drilling options identified for this report.

1.2 GA Submittal Top 10 Errors Summary Report (ED)

1.2.1 Overview

Description	The GA Submittal Top 10 Errors Summary Report provides a list of the top ten field-in-error/error code combinations for a guaranty agency.
User Group	Department of Education (all)
Data Source	NSLDS II Data Mart
Output Media	Online Viewing, Exportable File
Frequency	On Request
Requirements Traceability	2.030
Comments	This report corresponds to the GAERRS - GA Loan Error Rates and Top 10 Errors Report and the DPOSU #17 - Run Top 10 Error Report query in NSLDS.

1.2.2 Filter Specifications

Filter	Filter Description	Prompt	Default	Min/Max	Type
Top 10 Errors	This filter limits the result set by the top ten errors in the GA submittal.	No	N/A	N/A	Report as Filter
Choose Guaranty Agency	This filter limits the result set by the GA code selected by the user.	Yes	None	Min = 1 Max = 1	Filter Definition Prompt – Choose Attributes in Hierarchy

1.2.3 Attribute Specifications

Attribute	NSLDS Table	NSLDS Attribute
Guaranty Agency (<i>code</i>)	GA_SBMTL_RUN_ERR	SBMTL_HIS_CODE
Guaranty Agency (<i>name</i>)	GA	NM

1.2.4 Metric Specifications

Metric	Metric Description	Subtotal/ Grand Total	NSLDS Table	NSLDS Attribute
--------	--------------------	--------------------------	-------------	-----------------

Metric	Metric Description	Subtotal/ Grand Total	NSLDS Table	NSLDS Attribute
GA Submittal Error Count	This metric is the cumulative number of errors that have occurred.	N/A	GA_SBMT L_RUN_E RR	FLD_IN_ER R_CODE
GA Submittal Field in Error Code	This metric is the error code of field in error.	N/A	GA_SBMT L_RUN_E RR	FLD_IN_ER R_CODE
Field in Error Description	This metric is the description of the field in which the error occurred.	N/A	N/A	N/A
GA Submittal Error Code	The error code for this specific error.	N/A	GA_SBMT L_RUN_E RR	ERR_CODE
Error Message	This metric is the message description of the error that occurred.	N/A	TBD	TBD

1.2.5 Hierarchies for Drilling

No drilling options identified for this report.

1.3 GA Submittal Top 10 Error Rate Summary Report (ED)

1.3.1 Overview

Description	The GA Submittal Top 10 Error Rate Summary Report provides a summary of error rates for a guaranty agency.
User Group	Department of Education (all)
Data Source	NSLDS II Data Mart
Output Media	Online Viewing, Exportable File
Frequency	On Request
Requirements Traceability	2.030
Comments	This report corresponds to the GAERRS - GA Loan Error Rates and Top 10 Errors Report and the DPOSU #17 - Run Top 10 Error Report query in NSLDS.

1.3.2 Filter Specifications

Filter	Filter Description	Prompt	Default	Min/Max	Type
Top 10 Errors	This filter limits the result set by the top ten errors in the GA submittal.	No	N/A	N/A	Report as Filter
Choose Guaranty Agency	This filter limits the result set by the GA code selected by the user.	Yes	None	Min = 1 Max = 1	Filter Definition Prompt – Choose Attributes in Hierarchy
Current Loan Status (BK, DA, IP, DB, DL, DO, DT, DS, DZ, XD, FB, IA, IG, IM RP, UA, UB, AL)	This filter limits the result set by loans with the current loan status codes of: BK, DA, IP, DB, DL, DO, DT, DS, DZ, XD, FB, IA, IG, IM RP, UA, UB, AL.	No	N/A	N/A	Attribute Qualification

Filter	Filter Description	Prompt	Default	Min/Max	Type
Loans Not in NSLDS with Errors	This filter limits the result set by loans with submittal errors where the loan does not currently exist on NSLDS. A series of nested <i>not in</i> case statements need to be applied to this filter, which flags where the DOB, GUA_DT, SCH_CODE, STU_FST, STU_SSN, and TYPE do not match student data on NSLDS. This filter is applied at the metric level, not the report level.	No	N/A	N/A	Filter Qualification

1.3.3 Attribute Specifications

Attribute	NSLDS Table	NSLDS Attribute
Guaranty Agency (<i>code</i>)	GA_SBMTL_RUN_ERR	SBMTL_HIS_CODE

1.3.4 Metric Specifications

Metric	Metric Description	Subtotal/Grand Total	NSLDS Table	NSLDS Attribute
GA Submittal Error Count	This metric is the cumulative number of errors that have occurred. For clarification purposes, this metric will be called "A" for the derived metrics below.	N/A	GA_SBMTL_RUN_ERR	FLD_IN_ERROR_CODE
Open Loans in NSLDS Count	This metric counts the number of opens loans in NSLDS. For clarification purposes, this metric will be called "B" for the derived metrics below.	N/A	LOAN	NO STU_SEQ_NO ID_STU_SEQ_NO
Error Rate	This metric is derived by dividing the GA Submittal Error Count metric by the Open Loans in NSLDS Count metric. (A/B)	N/A	N/A	N/A

Metric	Metric Description	Subtotal/ Grand Total	NSLDS Table	NSLDS Attribute
Loans Not in NSLDS with Errors Count	This metric counts the number of loans with errors that have no corresponding loan in the database. The Loans Not in NSLDS with Errors Count filter is applied to this metric. For clarification purposes, this metric will be called "C" for the derived metrics below.	N/A	N/A	N/A
% of Potentially Missing Loans	This metric is derived by dividing the Loans Not in NSLDS with Errors Count metric by the Open Loans in NSLDS Count metric plus Loans Not in NSLDS with Errors Count metric. $(C/(B+C))$	N/A	N/A	N/A
Cumulative Loan Error Rate	This metric is derived by dividing the sum of GA Submittal Error Count metric and Loans Not in NSLDS with Errors Count metric by the sum of Open Loans in NSLDS Count metric and Loans Not in NSLDS with Errors Count metric. $((A+C)/(A+B))$	N/A	GA_SBMT L_RUN_E RR	ERR_CODE

1.3.5 Hierarchies for Drilling

No drilling options identified for this report.

1.4 GA Submittal Top 10 Errors and Error Rate Summary Document

Document Object Name	Document Object Section	Document Object Section Description
GA Submittal Top 10 Errors and Error Rate Summary Report	GA Submittal Top 10 Errors Summary Report	<p>This section lists the following attributes & metrics:</p> <ul style="list-style-type: none"> - Guaranty Agency (<i>code</i>) - Guaranty Agency (<i>name</i>) - GA Submittal Error Count - GA Submittal Field in Error Code - Field in Error Description - GA Submittal Error Code - Error Message
	GA Submittal Top 10 Error Rate Summary Report	<p>This section lists the following attributes & metrics:</p> <ul style="list-style-type: none"> - Guaranty Agency (<i>code</i>) - GA Submittal Error Count - Open Loans in NSLDS Count - Error Rate - Loans Not in NSLDS with Errors Count - % of Potentially Missing Loans - Cumulative Loan Error Rate
<p><u>Note:</u> This document object will include a hyperlink to the Grid Mode of the following reports: GA Submittal Top 10 Errors Summary Report, GA Submittal Top 10 Error Rate Summary Report.</p>		

1.5 GA Submittals Top 10 Errors Summary Report (ED)

1.5.1 Overview

Description	The GA Submittal Top 10 Errors Summary Report provides a list of the top ten field-in-error/error code combinations across all guaranty agencies.
User Group	Department of Education (all)
Data Source	NSLDS II Data Mart
Output Media	Online Viewing, Exportable File
Frequency	On Request
Requirements Traceability	2.030
Comments	This report corresponds to the GAERRS - GA Loan Error Rates and Top 10 Errors Report and the DPOSU #17 - Run Top 10 Error Report query in NSLDS.

1.5.2 Filter Specifications

Filter	Filter Description	Prompt	Default	Min/Max	Type
Top 10 Errors	This filter limits the result set by the top ten errors in the GA submittal.	No	N/A	N/A	Report as Filter

1.5.3 Attribute Specifications

Attribute	NSLDS Table	NSLDS Attribute
Guaranty Agency (<i>code</i>)	GA_SBMTL_RUN_ERR	SBMTL_HIS_CODE

1.5.4 Metric Specifications

Metric	Metric Description	Subtotal/ Grand Total	NSLDS Table	NSLDS Attribute
GA Submittal Error Count	This metric is the cumulative number of errors that have occurred.	N/A	GA_SBMTL_RUN_ERR	FLD_IN_ERR_CODE
GA Submittal Field in Error Code	This metric is the error code of field in error.	N/A	GA_SBMTL_RUN_ERR	FLD_IN_ERR_CODE

Metric	Metric Description	Subtotal/ Grand Total	NSLDS Table	NSLDS Attribute
Field in Error Description	This metric is the description of the field in which the error occurred.	N/A	N/A	N/A
GA Submittal Error Code	The error code for this specific error.	N/A	GA_SBMT L_RUN_E RR	ERR_CODE
Error Message	This metric is the message description of the error that occurred.	N/A	TBD	TBD

1.5.5 Hierarchies for Drilling

No drilling options identified for this report.

1.6 GA Submittals Top 10 Error Rate Summary Report (ED)

1.6.1 Overview

Description	The GA Submittal Top 10 Error Rate Summary Report provides a summary of error rates across all guaranty agencies.
User Group	Department of Education (all)
Data Source	NSLDS II Data Mart
Output Media	Online Viewing, Exportable File
Frequency	On Request
Requirements Traceability	2.030
Comments	This report corresponds to the GAERRS - GA Loan Error Rates and Top 10 Errors Report and the DPOSU #17 - Run Top 10 Error Report query in NSLDS.

1.6.2 Filter Specifications

Filter	Filter Description	Prompt	Default	Min/Max	Type
Top 10 Errors	This filter limits the result set by the top ten errors in the GA submittal.	No	N/A	N/A	Report as Filter
Current Loan Status (BK, DA, IP, DB, DL, DO, DT, DS, DZ, XD, FB, IA, IG, IM RP, UA, UB, AL)	This filter limits the result set by loans with the current loan status codes of: BK, DA, IP, DB, DL, DO, DT, DS, DZ, XD, FB, IA, IG, IM RP, UA, UB, AL.	No	N/A	N/A	Attribute Qualification
Loans Not in NSLDS with Errors	This filter limits the result set by loans with submittal errors where the loan does not currently exist on NSLDS. A series of nested <i>not in</i> case statements need to be applied to this filter, which flags where the DOB, GUA_DT, SCH_CODE, STU_FST, STU_SSN, and TYPE do not match student data on NSLDS. This filter is applied at the metric level, not the report level.	No	N/A	N/A	Filter Qualification

1.6.3 Attribute Specifications

No attributes identified for this report.

1.6.4 Metric Specifications

Metric	Metric Description	Subtotal/ Grand Total	NSLDS Table	NSLDS Attribute
GA Submittal Error Count	This metric is the cumulative number of errors that have occurred. For clarification purposes, this metric will be called "A" for the derived metrics below.	Grand Total	GA_SBMT L_RUN_E RR	FLD_IN_ER R_CODE
Open Loans in NSLDS Count	This metric counts the number of opens loans in NSLDS. For clarification purposes, this metric will be called "B" for the derived metrics below.	Grand Total	LOAN	NO STU_SEQ_N O ID_STU_SEQ _NO
Error Rate	This metric is derived by dividing the GA Submittal Error Count metric by the Open Loans in NSLDS Count metric. (A/B)	Grand Total	N/A	N/A
Loans Not in NSLDS with Errors Count	This metric counts the number of loans with errors that have no corresponding loan in the database. The Loans Not in NSLDS with Errors Count filter is applied to this metric. For clarification purposes, this metric will be called "C" for the derived metrics below.	Grand Total	N/A	N/A
% of Potentially Missing Loans	This metric is derived by dividing the Loans Not in NSLDS with Errors Count metric by the Open Loans in NSLDS Count metric plus Loans Not in NSLDS with Errors Count metric. (C/(B+C))	Grand Total	N/A	N/A
Cumulative Loan Error Rate	This metric is derived by dividing the sum of GA Submittal Error Count metric and Loans Not in NSLDS with Errors Count metric by the sum of Open Loans in NSLDS Count metric and Loans Not in NSLDS with Errors Count metric. ((A+C)/(A+B))	Grand Total	GA_SBMT L_RUN_E RR	ERR_CODE

1.6.5 Hierarchies for Drilling

No drilling options identified for this report.

1.7 GA Submittals Top 10 Errors and Error Rate Summary Document

Document Object Name	Document Object Section	Document Object Section Description
GA Submittals Top 10 Errors and Error Rate Summary Report	GA Submittals Top 10 Errors Summary Report	<p>This section lists the following attributes & metrics:</p> <ul style="list-style-type: none"> - Guaranty Agency (<i>code</i>) - GA Submittal Error Count - GA Submittal Field in Error Code - Field in Error Description - GA Submittal Error Code - Error Message
	GA Submittals Top 10 Error Rate Summary Report	<p>This section lists the following attributes & metrics:</p> <ul style="list-style-type: none"> - GA Submittal Error Count - Open Loans in NSLDS Count - Error Rate - Loans Not in NSLDS with Errors Count - % of Potentially Missing Loans - Cumulative Loan Error Rate
<p><u>Note:</u> This document object will include a hyperlink to the Grid Mode of the following reports: GA Submittals Top 10 Errors Summary Report, GA Submittals Top 10 Error Rate Summary Report.</p>		