

**DEPARTMENT OF EDUCATION-
FEDERAL STUDENT AID
FINANCIAL PARTNERS**



**REPORTS DESIGN
FUNCTIONAL DESIGN DOCUMENT
FINANCIAL PARTNERS DATA MART
RELEASE III**

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1.0 GA Scorecard

General Requirements

Business Objective:

The Guaranty Agency (GA) Scorecard will provide executive information and decision support capabilities for GA functions. The GA Scorecard will be based on a core set of underlying reports, each focusing on a specific Key Performance Indicator. It will provide detail information on identified risk factors and will summarize the risk model scoring for GAs. The GA Scorecard will be used by internal FSA users.

Component Description:

This document provides the functionality and the requirements related to the GA Scorecard. The FP Data Mart Power Users will have the ability to generate this scorecard for one, multiple or all GAs.

The following fields will be displayed in the report:

- GA ID
- GA Name
- GA Address
- GA City
- GA State
- Level of FFEL Participation
- Total Loan Portfolio
- Total Score (%)
- Level of FFEL Participation based on OPO
- Min FFEL Portfolio Amt
- Max FFEL Portfolio Amt
- Scorecard ID
- Weight (value)
- Performance Indicator
- Measures
- Time Period
- Source System
- Maximum Score
- Actual Score
- Actual Data Result
- Trigger
- Scorecard ID
- Score Description
- Points
- xValue
- Trigger Indicator

FP Power Users will be able to generate the GA Scorecard using the MicroStrategy web interface through the FSA intranet or the Internet. FP Power Users will also have the MicroStrategy desktop software on their desktops at work to execute the GA Scorecard.

Component Risks:

- GA Scorecard depends on the data sources that provide the data for the underlying reports: FMS, Form 2000, PEPS, and NSLDS.

Assumptions:

- The report can be generated after the data is available in FPDM from originating data source(s).
- Successful processing of the underlying reports will determine the accurate processing of the GA Scorecard.

Specifications

Report Name:	Guaranty Agency (GA) Scorecard
Application:	FP Data Mart
Risk Factor:	Risk factors are defined in each particular underlying report.
Value:	N/A
Benchmark:	N/A
Score:	N/A
Data Source:	Financial Partner Data Mart (FPDM), FMS, Form 2000, and NSLDS
Data Requirements:	Scores from the underlying reports and Total Loan Portfolio value (based on OPO value)
Attributes	GA ID, GA Name, GA Address, GA City, GA State, Level of FFEL Participation, Total Loan Portfolio, Level of FFEL Participation based on OPO, Min FFEL Portfolio Amt, Max Portfolio Amt, Scorecard ID, Weight (value), Performance Indicator, Measures, Time Period, Source System, Maximum Score, Actual Score, Actual Data Result, Trigger, Total Score (%) Scorecard ID, Score Description, Points, xValue, and Trigger Indicator
Prompts:	Guaranty Agency and Fiscal Year
Metrics	% Total Score The calculation is (Actual Score / Maximum Score)
Filters:	None
Output:	Online/HTML/Excel/Text

Design

Report Layout

GA ID	GA Name	GA Address	GA City	GA State	Level of FFEL Participation	Total Loan Portfolio	%Total Score
####	Guaranty Agency	111 Test Lane	Test City	TA	#	##,###,###	87%

Level of FFEL Participation based on OPO	Min FFEL Portfolio Amt	Max FFEL Portfolio Amt
1	0.01 or below	\$500,000,000.00
2	\$500,000,000.01	\$750,000,000.00
3	\$750,000,000.01	\$1,000,000,000.00
4	\$1,000,000,000.01	\$5,000,000,000.00
5	\$5,000,000,000.01	\$10,000,000,000.00
6	\$10,000,000,000.01	\$15,000,000,000.00
7	\$15,000,000,000.01	\$20,000,000,000.00
8	\$20,000,000,000.01	\$25,000,000,000.00
9	\$25,000,000,000.01	\$50,000,000,000.00
10	\$50,000,000,000.01	\$100,000,000,000.00

Scorecard ID	Weight (value)	Performance Indicator	Measures	Time Period	Source System	Maximum Score	Actual Score	Actual Data Result	Trigger
1	5	Change in Federal Funds	Total reduction in Federal Fund for the current year (current to previous)	Current Fiscal Year Compared to Previous	Financial Management System and Form 2000	25	20		

				Fiscal Year					
2	5	Minimum Reserve Level	Measures financial viability of GA Federal Fund annually	Last Fiscal Year	Form 2000	25	20		
3	4	Cash Liquidity	Ability to pay claims for 90 days	Last Quarter	Form 2000	20	20		
4	4	Projected Minimum Reserve Level	Measures projected financial viability of GA Federal Fund over 5 years	Last 5 Fiscal Years	Form 2000	20	16		
5	4	Change in Operating Funds	% Change over time to measure increase or decrease of fund (current year to previous year)	Current Fiscal Year Compared to Previous Fiscal Year	Form 2000	20	20		
6	3	Cohort Default Rate	Cohort Default Rate for current year	Current Cohort Year	National Student Loan Data System	15	15		
7	3	Percent of Change in Default Portfolio	Measure increases/decreases in default dollars for current year	Current Fiscal Year Compared to Previous Fiscal Year	Form 2000	15	12		
8	2	Rate of Reinsurance	Low Rates of Reinsurance	Last Fiscal Year	Form 2000	10	8		

9	2	Account Maintenance Comparison	Measures the active loans being reported from NSLDS compared to active loans being reported on Form 2000	Last Fiscal Year	Form 2000 and National Student Loan Data System	10	10		
10	2	Change in Loan Status	Percentage of loans out of school more than six months but still carrying an in school or in grace category	Last Fiscal Year	National Student Loan Data System	10	10		
11	2	Change in Error Rates	Error Rate in NSLDS	Last Fiscal Year	National Student Loan Data System	10	8		
12	2	Market Share	Portfolio for designated guarantor location this year compared to previous year	Current Fiscal Year Compared to Previous Fiscal Year	National Student Loan Data System and Designation Spreadsheet	10	10		
13	3	Portfolio Characteristics	Large fluctuations in portfolio levels	Last Fiscal Year Compared to Previous Fiscal Year	Form 2000	15	9		
14	2	Total Collections on Defaulted Loans Current Year	Total collections in comparisons with outstanding portfolio throughout the year (over a x year period)	Last Fiscal Year	Form 2000	10	8		

15	1	History of Total Collections on Defaulted Loans	History of total collections in comparisons with outstanding portfolio over time	Last Fiscal Year Compared to Previous Fiscal Year	Form 2000	5	5		
16	1	GA Subrogated Loan Candidate	Total dollars of loans that are qualified for subrogated status but have not been designated	Current Fiscal Year	National Student Loan Data System	5	4		
17	1	FFEL Collections	% of collections received via FFEL Consolidation Loans	Last Fiscal Year	Form 2000	5	4		
18	1	Direct Collections Activity	% of collections received via Direct Consolidation Loans	Last Fiscal Year	Form 2000	5	5		
19	1	Rehabilitation Collections	% of collections received via Rehab Consolidation Loans	Last Fiscal Year	Form 2000	5	5		
						240	209		

Scorecard ID	Score Description	Points	xValue	Trigger Indicator
1	Any Increase	5	25	
	No Increase or No Decrease	4	20	
	Decrease 0.01-6%	3	15	
	Decrease 6.01-10%	2	10	
	Decrease > 10%	1	5	
2	> 0.50	5	25	
	.36 - .50	4	20	
	.25 - .35	3	10	
	< 0.25%	1	5	
3	If (AR48 > (AR21 / 4)) then	5	20	

	If $(AR48 < (AR21 / 4))$ then	1	4	TRIGGER
4	> 5 years	5	20	
	4.1 - 5 years	4	16	
	3.1 - 4 years	3	12	
	2.1 - 3 years	2	8	
	1 -2 years	1	4	TRIGGER
5	Any Increase greater than 20%	1	4	TRIGGER
	Increase 0.01 - 20%	5	20	
	No Increase or No Decrease	4	16	
	Decrease 0.01 - 5%	2.5	10	
	Decrease 5.01 -10%	1.5	6	
	Decrease > 10%	1	4	TRIGGER
6	If less than the National Average by more than 5%	5	15	
	If less than the National Average between 2.01% - 5%	4	12	
	If near the National Average (+/- 2%)	3	9	
	If greater than the National Average between 2.01% - 5%	2	6	
	If greater than the National Average by more than 5%	1	3	TRIGGER
7	Any decrease	5	15	
	Increase 0 - 3%	4	12	
	Increase 3.01 - 5%	3	9	
	Increase > 5%	1	3	TRIGGER
8	> 96%	5	10	
	95.01 - 96%	4	8	
	< 95%	1	2	TRIGGER
9	> 95%	5	10	
	89.01 - 95%	4	8	
	84.01 - 89%	3	6	
	80.01 - 84%	2	4	
	< 80%	1	2	TRIGGER
10	Zero	5	10	

	0.01 - 2%	4	8	
	2.01% - 4%	3	6	
	4.01% - 5%	2	4	
	> 5%	1	2	TRIGGER
11	98.01% - 100%	5	10	
	96.01% - 98%	4	8	
	93.01% - 96%	3	6	
	90.01% - 93%	2	4	
	equal or less than 90%	1	2	TRIGGER
12	Any Increase greater than 1% +/- 1% of change from previous year's market share	5	10	
	Decrease 1.01% to 10%	3	6	
	Decrease > 10%	2	4	
		1	2	TRIGGER
13	Increase > 15%	1	3	TRIGGER
	Increase 5.01 - 15%	5	15	
	Increase 0 - 5%	3	9	
	Any Decrease	1	3	TRIGGER
14	If (> National Average)	5	10	
	If (< National Average) and (> National Average + 5%)	4	8	
	If (< National Average + 5%) and (> National Average + 10%)	3	6	
	If (< National Average + 10%)	1	2	TRIGGER
15	Any Increase	5	5	
	Decrease 0 - 3%	3	3	
	Decrease 3.01 - 6%	2	2	
	Decrease > 6%	1	1	TRIGGER
16	< X%	5	5	
	X - X%	4	4	
	X	3	3	
	X - X%	2	2	
	> X%	1	1	TRIGGER
17	If (> National Average)	5	5	

	If (< National Average) and (> National Average + 5%)	4	4	
	If (< National Average + 5%) and (> National Average + 10%)	3	3	
	If (< National Average + 10%)	1	1	TRIGGER
	If (> National Average)	5	5	
	If (< National Average) and (> National Average + 5%)	4	4	
	If (< National Average + 5%) and (> National Average + 10%)	3	3	
18	If (< National Average + 10%)	1	1	TRIGGER
	If (> National Average)	1	1	TRIGGER
	If (< National Average) and (> National Average + 5%)	2	2	
	If (< National Average + 5%) and (> National Average + 10%)	4	4	
19	If (< National Average + 10%)	5	5	

The GA Scorecard will have a description paragraph next to each report icon in the GA Scorecard folder. The paragraph will describe the business objective of each report.

Field Information:

Name	Display Characteristics	Data Source	Table Name / Column Name	Comments (Functional Notes / Calculations / Validations)
Guaranty Agency	Prompt/Attribute	FPDM	D_GA / GA_ID, GA_STATE_NAME, GA_NAME	
Fiscal Year	Prompt/Attribute	FPDM	D_FY / FY_ID, FY_DESC	
GA State	Attribute	FPDM	D_GA / GA_STATE_NAME	
GA ID	Attribute	FPDM	D_GA / GA_ID	
GA Name	Attribute	FPDM	D_GA / GA_NAME	
GA Address	Attribute	FPDM	D_GA_ADDRESS / (((GA_ADDRESS_LINE1 + “;”) + GA_CITY_DESC) + “;”) + GA_STATE_DESC)	
GA City	Attribute	FPDM	D_GA_ADDRESS / GA_CITY_DESC	
Level of FFEL Participation	Attribute	FPDM	LKP_GA_PRTFL_LVL / GA_PRTFL_LVL_WT	Based on OPO
Total Loan Portfolio	Metric	Form 2000	F_FFEL_LOAN / ORG_PRIN_OUT	Based on OPO = (AR1 - AR2 + AR3 - AR4 - AR5 + AR6 - AR7 - AR8 - AR9 - AR10 - AR11 - AR12)
Level of FFEL Participation	Attribute	FPDM	LKP_GA_PRTFL_LVL / GA_PRTFL_LVL_CD	
Min FFEL Portfolio Amt	Attribute	FPDM	LKP_GA_PRTFL_LVL / GA_PRTFL_MIN_AMT	
Max FFEL Portfolio Amt	Attribute	FPDM	LKP_GA_PRTFL_LVL / GA_PRTFL_MAX_AMT	
Scorecard ID	Attribute	FPDM	LKP_GA_SCORECARD_ITEM / GA_SCORECARD_ITEM_CD	
Weight (value)	Attribute	FPDM	LKP_GA_SCORECARD_ITEM / SCORECARD_WT_NUM	
Performance Indicator	Attribute	FPDM	LKP_GA_SCORECARD_ITEM / PERF_IND_DESC	
Measures	Attribute	FPDM	LKP_GA_SCORECARD_ITEM / PERF_MEASURE_DESC	
Time Period	Attribute	FPDM	LKP_GA_SCORECARD_ITEM / PERF_IND_TIME_PERIOD_DESC	
Source	Attribute	FPDM	LKP_GA_SCORECARD_ITEM /	

System			SOURCE_SYSTEM_ID	
Maximum Score	Metric	FPDM	LKP_GA_SCORECARD_ITEM / SCORECARD_ITEM_MAX_SCORE_NUM	
Actual Score	Metric	FPDM	F_GA_SCORECARD / GA_SCORECARD_ACTL_SCORE_NBR	
Actual Data Result	Metric	FPDM	F_GA_SCORECARD_DTL_RESULTS / RESULT	
Trigger	Attribute	FPDM	F_GA_SCORECARD_TRG_IND	
% Total Score	Metric	FPDM	F_GA_SCORECARD / GA_SCORECARD_ACTL_SCORE_NBR LKP_GA_SCORECARD_ITEM / SCORECARD_ITEM_MAX_SCORE_NUM	Actual Score/Maximum Score
Scorecard ID	Attribute	FPDM	LKP_GA_SCORECARD_DTL / GA_SCORECARD_ITEM_CD	
Score Description	Attribute	FPDM	LKP_GA_SCORECARD_DTL / SCORECARD_SCORE_DESC	
Points	Metric	FPDM	LKP_GA_SCORECARD_DTL / SCORECARD_SCORE_POINTS	
xValue	Metric	FPDM	LKP_GA_SCORECARD_DTL / SCORECARD_DTL_POINT_VALUE_NUM	
Trigger Indicator	Metric	FPDM	F_GA_SCORECARD / GA_SCORECARD_TRG_IND	

Design Constraints:

None

Performance Considerations:

None

Implementation Considerations:

None

Testing Requirements

Test Condition	Expected Results
Generate GA Scorecard using one Guaranty Agency and Fiscal Year as prompt	GA Scorecard generated for selected Guaranty Agency and Fiscal Year. All fields are populated with correct information.
Generate GA Scorecard using multiple Guaranty Agencies and Fiscal Year as prompt	GA Scorecard generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate GA Scorecard using all Guaranty Agencies and Fiscal Year as prompt	GA Scorecard generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate GA Scorecard using different user	GA Scorecard generated for selected Guaranty

types.	Agencies and Fiscal Year. All fields are populated with correct information.
Generate GA Scorecard where no data is found.	GA Scorecard will be displayed empty. Error message will be displayed.

Issues and Additional Considerations

The following Issues were defined during Functional Design:

Issue	Raised By / Date Needed	Resolution/Answer	Resolved By / Date Completed
Scoring Levels undefined. The GA Subrogated Loan Candidate report scoring levels have not been defined due to the lack of background information regarding the possible values of the results from the calculations in this report. These scoring levels will be defined later on when the calculations for this report have been performed.	Ramon Corrada / 07/17/03		

2.0 Guaranty Agency Scorecard Analysis Report

General Requirements

Business Objective:

The Guaranty Agency (GA) Scorecard Analysis Report will determine which Key Performance Indicators were triggered by the different Guaranty Agencies. The GA Scorecard Analysis Report will be used by the FP Data Mart Power Users. This report will return a list of the Key Performance Indicators for a given GA where the indicator trigger for the fiscal year = 'Y'.

Component Description:

This document provides the functionality and the requirements related to the GA Scorecard Analysis Report. The FP Data Mart Power Users will have the ability to generate this report for specific GA and fiscal year.

The following fields will be displayed in the report:

- Guaranty Agency
- Fiscal Year
- Performance Indicator

FP Power Users will be able to generate the GA Scorecard Analysis Report using the MicroStrategy web interface through the FSA intranet or the Internet. Also they will have the MicroStrategy desktop software on their desktops at work to execute the report.

Component Risks:

- Report depends on the underlying reports for the GA Scorecard.

Assumptions:

- The report can be generated after the data is available in FPDM from originating data source(s).

Specifications

Report Name:	Guaranty Agency Scorecard Analysis Report
Application:	FP Data Mart
Risk Factor:	Risk factors are defined in each particular underlying report.
Value:	N/A
Benchmark:	N/A
Score:	N/A
Data Source:	FMS, Form 2000, PEPS, and NSLDS
Data Requirements:	Reports where the indicator trigger for the fiscal year = 'Y'.
Attributes:	Guaranty Agency and Performance Indicator

Prompts:	Guaranty Agency and Fiscal Year
Metrics:	None
Filters:	None
Output:	Online/HTML/Excel/Text

Design

Report Layout

GA Scorecard Analysis Report

GA	Performance Indicators	
GA 1	Change in Federal Funds	
	Cash Liquidity	
	Market Share	
GA 2	Rate of Reinsurance	
	Change in Operating Funds	
	Cohort Default Rate	
	Account Maintenance Comparison	
GA 3	FFEL Collections	
	Direct Collections Activity	
	Rehabilitation Collections	
	Projected Minimum Reserve Level	
	Percent of Change in Default Portfolio	
	Change in Loan Status	

The GA Scorecard Analysis report will have a description paragraph next to each report icon in the GA Scorecard folder. The paragraph will describe the business objective of each report.

Field Information:

Name	Display Characteristics	Data Source	Table Name / Column Name	Comments (Functional Notes / Calculations / Validations)
Guaranty Agency	Prompt/Attribute	FPDM	D_GA / GA_ID, GA_STATE, GA_NAME	
Fiscal Year	Prompt/Attribute	FPDM	D_FY / FY_ID, FY_DESC	
Performance Indicator	Attribute	FPDM	LKP_GA_SCORECARD_ITEM / PERF_IND_DESC	

Design Constraints:

None

Performance Considerations:

None

Implementation Considerations:

None

Testing Requirements

Test Condition	Expected Results
Generate GA Scorecard Analysis report using one Guaranty Agency and Fiscal Year as prompt	GA Scorecard Analysis report is generated for selected Guaranty Agency and Fiscal Year. All fields are populated with correct information.
Generate GA Scorecard Analysis report using multiple Guaranty Agencies and Fiscal Year as prompt	GA Scorecard Analysis report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate GA Scorecard Analysis report using all Guaranty Agencies and Fiscal Year as prompt	GA Scorecard Analysis report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate GA Scorecard Analysis report using different user types.	GA Scorecard Analysis report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate GA Scorecard Analysis Report where no data is found.	GA Scorecard Analysis report will be displayed empty. Error message will be displayed.

Issues and Additional Considerations

The following Issues were defined during Functional Design:

Issue	Raised By / Date Needed	Resolution/Answer	Resolved By / Date Completed
None			

3.0 Change in Federal Funds

General Requirements

Business Objective:

The Change in Federal Funds report calculates the % Change in Federal Funds Ending Balance from the Current Year’s Federal Funds to the Previous Year’s.

The report will be used by the FP Data Mart Power Users to identify Total Reductions in Federal Fund for the Current Year.

Component Description:

This document provides the functionality and the requirements related to the Change in Federal Funds report. The Change in Federal Funds report will be part of the Guaranty Agency (GA) Scorecard. The FP Data Mart Power Users will have the ability to generate this report for specific GA’s and Fiscal Years.

The following fields will be displayed in the report:

- Guaranty Agency
- Fiscal Year
- %Change (Current Year Federal Fund Ending Balance to Previous Year)

Component Risks:

- None

Assumptions:

- The report can be generated after the data is available in FPDM from originating data source(s).
- The calculations for this report are correct and the data is accurate.
- The report is dependent on successful processing of the calculations.

Specifications

Report Name:	Change In Federal Funds
Application:	FP Data Mart
Risk Factor:	Total Reduction in Federal Fund
Value:	5
Benchmark:	% Change Over Time (Current Year to Previous Year Comparison)
Score:	Any increase / 5 points / 25 xValue No Increase or No Decrease / 4 points / 20 xValue Decrease 0.01-5.99% / 3 points / 15 xValue Decrease 6.01-10% / 2 points / 10 xValue Decrease > 10% / 1 point / 5 xValue - TRIGGER

Data Source:	FMS and Form 2000
Data Requirements:	AR26 Federal Fund Ending Balance from Form 2000
Attributes:	Guaranty Agency; Fiscal Year
Prompts:	Guaranty Agency; Fiscal Year
Metrics:	% Change = (AR26 (CY) - AR26 (PY)) / AR26 (PY)
Filters:	Restricted GA Access based on report and data level security.
Output:	Online/HTML/Excel/Text

**Design
Report Layout**

SI#1 Change in Federal Funds

Fiscal Year	Guaranty Agency	Metrics	% Change Over Time (From Previous Year)
1998	GA 1		1.00%
	GA 2		5.99%
	GA 3		7.00%
	GA 4		10.00%
	GA 5		13.00%
1999	GA 1		1.00%
	GA 2		5.99%
	GA 3		7.00%
	GA 4		10.00%
	GA 5		13.00%
2000	GA 1		1.00%
	GA 2		5.99%
	GA 3		7.00%
	GA 4		10.00%
	GA 5		13.00%
2001	GA 1		1.00%
	GA 2		5.99%
	GA 3		7.00%
	GA 4		10.00%
	GA 5		13.00%

Field Information:

Name	Display Characteristics	Data Source	Table Name / Column Name	Comments (Functional Notes / Calculations / Validations)
GA (Guaranty	Prompt /	FPDM	D_GA /	

Agency)	Attribute		GA_ID, GA_STATE, GA_NAME	
Fiscal Year	Prompt / Attribute	FPDM	D_FY / FY_ID_ID, FY_DESC	
% Change (Last Year to Current Year)	Metric	Form 2000	F_FM2000_ANNL/GA Form 2000 Annual Line Item where GA_F2000_ANNL_LN_I TEM_CD = AR26_CY	% Change = AR26 (CY) - AR26 (PY) / AR26 (PY)

Design Constraints:

None

Performance Considerations:

None

Implementation Considerations:

None

Testing Requirements

Test Condition	Expected Results
Generate Report using one Guaranty Agency and Fiscal Year as prompt	Report is generated for selected Guaranty Agency and Fiscal Year. All fields are populated with correct information.
Generate Report using multiple Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using all Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using different user types.	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report where no data is found.	Report will be displayed empty. Error message will be displayed.

Issues and Additional Considerations

The following Issues were defined during Functional Design:

Issue	Raised By / Date Needed	Resolution/Answer	Resolved By / Date Completed
None			

4.0 Minimum Reserve Level

General Requirements

Business Objective:

The Minimum Reserve Level report measures financial viability of GA Federal Fund. This report will be used by the FP Data Mart Power Users to identify annual financial viability of GA Federal Funds, based on Minimum Reserve Levels.

Component Description:

This document provides the functionality and the requirements related to the Minimum Reserve Level report. The Minimum Reserve Level report will be part of the Guaranty Agency (GA) Scorecard. The FP Data Mart Power Users will have the ability to generate this report for specific GA's and Fiscal Years.

The following fields will be displayed in the report:

- Guaranty Agency
- Fiscal Year
- %Reserve

Component Risks:

- None

Assumptions:

- The report can be generated after the data is available in FPDM from originating data source(s).
- The calculations for this report are correct and the data is accurate.
- The report is dependent on successful processing of the calculations.

Specifications

Report Name:	Minimum Reserve Level
Application:	FP Data Mart
Risk Factor:	Financial Viability
Value:	5
Benchmark:	0.25%
Score:	> 0.50 / 5 points / 25 xValue .36 - .50 / 4 points / 20 xValue .25 - .35 / 2 points / 10 xValue < .25% / 1 point / 5 xValue - TRIGGER
Data Source:	Form 2000

Data Requirements:	AR26, OPO: (AR1, AR2, AR3, AR4, AR5, AR6, AR7, AR8, AR9, AR10, AR11, and AR12) All values are from Form 2000
Attributes:	Guaranty Agency; Fiscal Year
Prompts:	Guaranty Agency; Fiscal Year
Metrics	% Reserve = AR26 / OPO OPO: (AR1 - AR2 + AR3 - AR4 - AR5 + AR6 - AR7 - AR8 - AR9 - AR10 - AR11 - AR12)
Filters:	Restricted GA Access based on report and data level security.
Output:	Online/HTML/Excel/Text

Design

Report Layout

SI#2 Minimum Reserve Level

Fiscal Year	Guaranty Agency	Metrics	% Reserve
1998	GA 1		0.75%
	GA 2		0.50%
	GA 3		0.40%
	GA 4		0.30%
	GA 5		0.20%
1999	GA 1		0.75%
	GA 2		0.50%
	GA 3		0.40%
	GA 4		0.30%
	GA 5		0.20%
2000	GA 1		0.75%
	GA 2		0.50%
	GA 3		0.40%
	GA 4		0.30%
	GA 5		0.20%
2001	GA 1		0.75%
	GA 2		0.50%
	GA 3		0.40%
	GA 4		0.30%
	GA 5		0.20%

Field Information:

Name	Display Characteristics	Data Source	Table Name / Column Name	Comments (Functional Notes / Calculations / Validations)
Guaranty Agency	Prompt/Attribute	FPDM	D_GA / GA_ID, GA_STATE, GA_NAME	
Fiscal Year	Prompt / Attribute	FPDM	D_FY / FY_ID, FY_DESC	
% Change (Last Year to Current Year)	Metric	Form 2000	F_FM2000_ANNL/GA Form 2000 Annual Line Item where GA_F2000_ANNL_LN_ITEM_CD = AR26_CY F_FM2000_ANNL/Current Year Amount where GA_F2000_ANNL_LN_ITEM_CD = (AR1_CY, AR2_CY, AR3_CY, AR4_CY, AR5_CY, AR6_CY, AR7_CY, AR8_CY, AR9_CY, AR10_CY, AR11_CY, AR12_CY)	Based on Ending Balance (AR26) / OPO OPO = (AR1 - AR2 + AR3 - AR4 - AR5 + AR6 - AR7 - AR8 - AR9 - AR10 - AR11 - AR12)

Design Constraints:

None

Performance Considerations:

None

Implementation Considerations:

None

Testing Requirements

Test Condition	Expected Results
Generate Report using one Guaranty Agency and Fiscal Year as prompt	Report is generated for selected Guaranty Agency and Fiscal Year. All fields are populated with correct information.
Generate Report using multiple Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using all Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using different user types.	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report where no data is found.	Report will be displayed empty. Error message will

	be displayed.
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Issues and Additional Considerations

The following Issues were defined during Functional Design:

Issue	Raised By / Date Needed	Resolution/Answer	Resolved By / Date Completed
None			

5.0 Cash Liquidity

General Requirements

Business Objective:

The Cash Liquidity Report measures the ability to pay claims for 90 days by comparing Cash (or Cash Equivalent) with Expenses over a three month period.

This report will be used by the FP Data Mart Power Users to identify Projected Liquid Cash for 90 days.

Component Description:

This document provides the functionality and the requirements related to Cash Liquidity report. The Cash Liquidity report will be part of the Guaranty Agency (GA) Scorecard. The FP Data Mart Power Users will have the ability to generate this report for specific GA's and Fiscal Years.

The following fields will be displayed in the report:

- Guaranty Agency
- Fiscal Year
- Ability to Pay Claims

Component Risks:

- None

Assumptions:

- The report can be generated after the data is available in FPDM from originating data source(s).
- The calculations for this report are correct and the data is accurate.
- The report is dependent on successful processing of the calculations.

Specifications

Report Name:	Cash Liquidity
Application:	FP Data Mart
Risk Factor:	Ability to pay claims for 90 days
Value:	4
Benchmark:	None
Score:	If $(AR48 > (AR21 / 4))$ then / 5 points / 20 xValue or If $(AR48 < (AR21 / 4))$ then / 1 point / 2 xValue - TRIGGER

Data Source:	Form 2000
Data Requirements:	AR48 (Cash); AR21 (Claims Expensed) AR48 and AR21 are from Form 2000
Attributes:	Guaranty Agency; Fiscal Year
Prompts:	Guaranty Agency; Fiscal Year
Metrics:	Ability to Pay Claims = (AR48 - AR21) / 4
Filters:	Restricted GA Access based on report and data level security.
Output:	Online/HTML/Excel/Text

Design

Report Layout

SI#3 Cash Liquidity

Fiscal Year	Guaranty Agency	Metrics	Ability to Pay Claims for 90 Days
1998	GA 1		\$500
	GA 2		\$400
	GA 3		\$300
	GA 4		\$200
	GA 5		\$100
1999	GA 1		\$500
	GA 2		\$400
	GA 3		\$300
	GA 4		\$200
	GA 5		\$100
2000	GA 1		\$500
	GA 2		\$400
	GA 3		\$300
	GA 4		\$200
	GA 5		\$100
2001	GA 1		\$500
	GA 2		\$400
	GA 3		\$300
	GA 4		\$200
	GA 5		\$100

Field Information:

Name	Display Characteristics	Data Source	Table Name / Column Name	Comments (Functional Notes / Calculations / Validations)
Guaranty Agency	Prompt / Attribute	FPDM	D_GA / GA_ID, GA_STATE, GA_NAME	
Fiscal Year	Prompt / Attribute	FPDM	D_FY / FY_ID, FY_DESC	
Ability to Pay Claims.	Metric	Form 2000	F_FM2000_ANNL/GA Form 2000 Annual Line Item where GA_F2000_ANNL_LN_ITEM_CD = AR48 (CY) F_FM2000_ANNL/GA Form 2000 Annual Line Item where GA_F2000_ANNL_LN_ITEM_CD = AR21 (CY)	Ability to Pay Claims = (Cash (AR48) - Claims Expensed (AR21)) / 4

Design Constraints:

None

Performance Considerations:

None

Implementation Considerations:

None

Testing Requirements

Test Condition	Expected Results
Generate Report using one Guaranty Agency and Fiscal Year as prompt	Report is generated for selected Guaranty Agency and Fiscal Year. All fields are populated with correct information.
Generate Report using multiple Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using all Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using different user types.	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report where no data is found.	Report will be displayed empty. Error message will be displayed.

Issues and Additional Considerations

The following Issues were defined during Functional Design:

Issue	Raised By / Date Needed	Resolution/Answer	Resolved By / Date Completed
None			

6.0 Change in Operating Funds

General Requirements

Business Objective:

The Change in Operating Fund report measures change (percentage) in Federal Fund Ending Balances over time (from Current Year to Previous Year).

This report will be used by the FP Data Mart Power Users to identify total fluctuations in Operating Funds.

Component Description:

This document provides the functionality and the requirements related to the Change in Operating Funds report. The Change in Operating Funds report will be part of the Guaranty Agency (GA) Scorecard. The FP Data Mart Power Users will have the ability to generate this report for specific GA's and Fiscal Years.

The following fields will be displayed in the report:

- Guaranty Agency
- Fiscal Year
- %Change Over Time

Component Risks:

- None

Assumptions:

- The report can be generated after the data is available in FPDM from originating data source(s).
- The calculations for this report are correct and the data is accurate.
- The report is dependent on successful processing of the calculations.

Specifications

Report Name:	Change in Operating Funds
Application:	FP Data Mart
Risk Factor:	Total fluctuations in Operating Fund
Value:	4

Benchmark:	% Change Over Time
Score:	Increase > 20% / 1 point / 4 xValue - TRIGGER Increase 1 - 20% / 5 points / 20 xValue No increase or No decrease / 4 points / 16 xValue Decrease 0.01 - 5% / 2.5 points / 10 xValue Decrease 5.01 - 10% / 1.5 points / 6 xValue Decrease > 10% or more / 1 point / 4 xValue - TRIGGER
Data Source:	Form 2000
Data Requirements:	AR40 (Ending Balance) from Form 2000.
Attributes:	Guaranty Agency and Fiscal Year.
Prompts:	Guaranty Agency and Fiscal Year.
Metrics:	$\% \text{ Change Over Time} = (\text{AR40 (CY)} - \text{AR40 (PY)}) / \text{AR40 (PY)}$
Filters:	Restricted GA Access based on report and data level security.
Output:	Online/HTML/Excel/Text

Design

Report Layout

SI#4 Minimum Reserve Level

Fiscal Year	Guaranty Agency	Metrics	% Change Over Time (From Previous Year)
1998	GA 1		20.00%
	GA 2		15.00%
	GA 3		10.00%
	GA 4		1.00%
	GA 5		(5.00)%
1999	GA 1		20.00%
	GA 2		0.50%
	GA 3		0.40%
	GA 4		0.30%

	GA 5		0.20%
2000	GA 1		20.00%
	GA 2		0.50%
	GA 3		0.40%
	GA 4		0.30%
	GA 5		0.20%
2001	GA 1		20.00%
	GA 2		0.50%
	GA 3		0.40%
	GA 4		0.30%
	GA 5		0.20%

Field Information:

Name	Display Characteristics	Data Source	Table Name / Column Name	Comments (Functional Notes / Calculations / Validations)
Guaranty Agency	Prompt / Attribute	FPDM	D_GA / GA_ID, GA_STATE, GA_NAME	
Fiscal Year	Prompt / Attribute	FPDM	D_FY / FY_ID, FY_DESC	
% Change Over Time	Metric	Form 2000	F_FM2000_ANNL/GA Form 2000 Annual Line Item where GA_F2000_ANNL_LN_I TEM_CD = AR40 (CY) F_FM2000_ANNL/GA Form 2000 Annual Line Item where GA_F2000_ANNL_LN_I TEM_CD = AR40 (PY)	% Change Over Time = AR40 (CY) - AR40 (PY) / AR40 (PY)

Design Constraints:

None

Performance Considerations:

None

Implementation Considerations:

None

Testing Requirements

Test Condition	Expected Results
Generate Report using one Guaranty Agency and	Report is generated for selected Guaranty Agency

Fiscal Year as prompt	and Fiscal Year. All fields are populated with correct information.
Generate Report using multiple Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using all Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using different user types.	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report where no data is found.	Report will be displayed empty. Error message will be displayed.

Issues and Additional Considerations

The following Issues were defined during Functional Design:

Issue	Raised By / Date Needed	Resolution/Answer	Resolved By / Date Completed
None			

7.0 Projected Minimum Reserve Level

General Requirements

Business Objective:

The Financial viability of GA Federal Fund report measure fluctuations, and targets decreases, in Federal Funds (OPO) over time.

This report will be used by the FP Data Mart Power Users to identify projected financial viabilities of GA Federal Funds over time (5 years).

Component Description:

This document provides the functionality and the requirements related to the Projected Minimum Reserve Level report. The Change in Operating Funds report will be part of the Guaranty Agency (GA) Scorecard. The FP Data Mart Power Users will have the ability to generate this report for specific GA's and Fiscal Years.

The following fields will be displayed in the report:

- Guaranty Agency
- Fiscal Year
- % OPO

Component Risks:

- None

Assumptions:

- The report can be generated after the data is available in FPDM from originating data source(s).
- The calculations for this report are correct and the data is accurate.
- The report is dependent on successful processing of the calculations.

Specifications

Report Name:	Projected Minimum Reserve Level
Application:	FP Data Mart
Risk Factor:	Financial viability of GA Federal Fund
Value:	4

Benchmark:	Projected year goes below 0.25%
Score:	> 5 years / 5 points / 20 xValue 4.1 - 5 years / 4 points / 16 xValue 3.1 - 4 years / 3 points / 12 xValue 2.1 - 3 years / 2 points / 8 xValue 1 - 2 years / 1 point / 4 xValue - TRIGGER
Data Source:	Form 2000
Data Requirements:	OPO: (AR1, AR2, AR3, AR4, AR5, AR6, AR7, AR8, AR9, AR10, AR11, and AR12) All values are from Form 2000
Attributes:	Guaranty Agency and Fiscal Year.
Prompts:	Guaranty Agency and Fiscal Year.
Metrics:	% Projected OPO = (AR26 for year projected (CY1) / OPO) OPO: (AR1 - AR2 + AR3 - AR4 - AR5 + AR6 - AR7 - AR8 - AR9 - AR10 - AR11 - AR12)
Filters:	Restricted GA Access based on report and data level security.
Output:	Online/HTML/Excel/Text

**Design
Report Layout**

SI#5 Projected Minimum Reserve Level

Fiscal Year	Guaranty Agency	Metrics	% Projected OPO
1998	GA 1		3.00%
	GA 2		2.00%
	GA 3		1.00%
	GA 4		0.50%
	GA 5		0.20%
1999	GA 1		3.00%
	GA 2		2.00%
	GA 3		1.00%
	GA 4		0.50%
	GA 5		0.20%

2000	GA 1		3.00%
	GA 2		2.00%
	GA 3		1.00%
	GA 4		0.50%
	GA 5		0.20%
2001	GA 1		3.00%
	GA 2		2.00%
	GA 3		1.00%
	GA 4		0.50%
	GA 5		0.20%

Field Information:

Name	Display Characteristics	Data Source	Table Name / Column Name	Comments (Functional Notes / Calculations / Validations)
Guaranty Agency	Prompt / Attribute	FPDM	D_GA / GA_ID, GA_STATE, GA_NAME	
Fiscal Year	Prompt / Attribute	FPDM	D_FY / FY_ID, FY_DESC	
% OPO	Metric	Form 2000	F_FM2000_ANNL/GA Form 2000 Annual Line Item where GA_F2000_ANNL_LN_ITEM_CD = AR26_CY F_FM2000_ANNL/Current Year Amount where GA_F2000_ANNL_LN_ITEM_CD = (AR1_CY, AR2_CY, AR3_CY, AR4_CY, AR5_CY, AR6_CY, AR7_CY, AR8_CY, AR9_CY, AR10_CY, AR11_CY, AR12_CY)	AR26 for year projected (CY1) / OPO OPO = (AR1 - AR2 + AR3 - AR4 - AR5 + AR6 - AR7 - AR8 - AR9 - AR10 - AR11 - AR12)

Design Constraints:

None

Performance Considerations:

None

Implementation Considerations:

None

Testing Requirements

Test Condition	Expected Results
Generate Report using one Guaranty Agency and Fiscal Year as prompt	Report is generated for selected Guaranty Agency and Fiscal Year. All fields are populated with correct information.

Generate Report using multiple Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using all Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using different user types.	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report where no data is found.	Report will be displayed empty. Error message will be displayed.

Issues and Additional Considerations

The following Issues were defined during Functional Design:

Issue	Raised By/ Date Needed	Resolution/Answer	Resolved By/ Date Completed
None			

8.0 Cohort Default Rate

General Requirements

Business Objective:

The Cohort Default Rate report compares the GA Cohort Default Rate of a current year with the most recently published National Average. This report will be used by the FP Data Mart Power Users to identify Cohort Default Rate for Current Year.

Component Description:

This document provides the functionality and the requirements related to the Cohort Default Rate report. The Cohort Default Rate report will be part of the Guaranty Agency (GA) Scorecard. The FP Data Mart Power Users will have the ability to generate this report for specific GA's and Fiscal Years.

The following fields will be displayed in the report:

- Guaranty Agency
- Fiscal Year
- %Cohort Default Rate

Component Risks:

- None

Assumptions:

- The report can be generated after the data is available in FPDM from originating data source(s).
- The calculations for this report are correct and the data is accurate.
- The report is dependent on successful processing of the calculations.

Specifications

Report Name:	Cohort Default Rate
Application:	FP Data Mart
Risk Factor:	Cohort Default Rate
Value:	3
Benchmark:	Comparison to National Average

Score:	<p>If less than the National Average by more than 5% / 5 points / 15 xValue</p> <p>If less than the National Average between 2.01% - 5% / 4 points / 12 xValue</p> <p>If near the National Average (+/- 2%)/ 3 points / 9 xValue</p> <p>If greater than the National Average between 2.01% - 5% / 2 points / 6 xValue</p> <p>If greater than the National Average by more than 5% / 1 point / 3 xValue - TRIGGER</p>
Data Source:	NSLDS
Data Requirements:	Calculated Cohort Default Rate
Attributes:	Guaranty Agency and Fiscal Year.
Prompts:	Guaranty Agency and Fiscal Year.
Metrics:	% Cohort Default Rate = Current Year Compared to National Average
Filters:	Restricted GA Access based on report and data level security.
Output:	Online/HTML/Excel/Text

Design

Report Layout

SI#6 Cohort Default Rate

Fiscal Year	Metrics		% Cohort Default Rate for Current Year
	Guaranty Agency		
1998	GA 1		3.00%
	GA 2		2.00%
	GA 3		1.00%
	GA 4		0.50%
	GA 5		0.20%
1999	GA 1		3.00%

	GA 2		2.00%
	GA 3		1.00%
	GA 4		0.50%
	GA 5		0.20%
2000	GA 1		3.00%
	GA 2		2.00%
	GA 3		1.00%
	GA 4		0.50%
	GA 5		0.20%
2001	GA 1		3.00%
	GA 2		2.00%
	GA 3		1.00%
	GA 4		0.50%
	GA 5		0.20%

Field Information:

Name	Display Characteristics	Data Source	Table Name / Column Name	Comments (Functional Notes / Calculations / Validations)
Guaranty Agency	Prompt / Attribute	FPDM	D_GA / GA_ID, GA_STATE, GA_NAME	
Fiscal Year	Prompt / Attribute	FPDM	D_FY / FY_ID, FY_DESC	
% Cohort Default Rate	Metric	NSLDS	F_GA_DFLT_RATES / GA_COHORT_DENOMINATOR_NUM GA_COHORT_NUMERATOR_NUM	

Design Constraints:

None

Performance Considerations:

None

Implementation Considerations:

None

Testing Requirements

Test Condition	Expected Results
Generate Report using one Guaranty Agency and Fiscal Year as prompt	Report is generated for selected Guaranty Agency and Fiscal Year. All fields are populated with correct information.
Generate Report using multiple Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.

Generate Report using all Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using different user types.	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report where no data is found.	Report will be displayed empty. Error message will be displayed.

Issues and Additional Considerations

The following Issues were defined during Functional Design:

Issue	Raised By / Date Needed	Resolution/Answer	Resolved By / Date Completed

9.0 Percent of Change in Default Portfolio

General Requirements

Business Objective:

The Percent of Change in Default Portfolio measures increases or decreases in default dollars for Current Year over prior year.

This report will be used by the FP Data Mart Power Users to identify increases in default dollars for Current Year over prior year.

Component Description:

This document provides the functionality and the requirements related to the Percent of Change in Default Portfolio report. The Percent of Change in Default Portfolio report will be part of the Guaranty Agency (GA) Scorecard. The FP Data Mart Power Users will have the ability to generate this report for specific GA's and Fiscal Years.

The following fields will be displayed in the report:

- Guaranty Agency
- Fiscal Year
- % Change of Defaulted Dollars.

Component Risks:

- None

Assumptions:

- The report can be generated after the data is available in FPDM from originating data source(s).
- The calculations for this report are correct and the data is accurate.
- The report is dependent on successful processing of the calculations.

Specifications

Report Name:	Percent of Change in Default Portfolio
Application:	FP Data Mart
Risk Factor:	Increase in Default Portfolio
Value:	3

Benchmark:	Percent Change of Increase/Decrease over Prior Year
Score:	Any decrease / 5 points / 15 xValue Increase 0 - 3% / 4 points / 12 xValue Increase 3.01 - 5% / 3 points / 9 xValue Increase > 5% / 1 point / 3 xValue - TRIGGER
Data Source:	Form 2000
Data Requirements:	AR8 in Form 2000
Attributes:	Guaranty Agency and Fiscal Year.
Prompts:	Guaranty Agency and Fiscal Year.
Metrics:	$\% \text{ Change of Defaulted Dollars} = \frac{\text{AR8 (CY)} - \text{AR8 (PY)}}{\text{AR8 (PY)}}$
Filters:	Restricted GA Access based on report and data level security
Output:	Online/HTML/Excel/Text

Design

Report Layout

SI#7 Percent Change in Default Portfolio

Fiscal Year	Metrics		% Change of Defaulted Dollars (From Previous Year)
	Guaranty Agency		
1998	GA 1		10.00%
	GA 2		5.00%
	GA 3		4.00%
	GA 4		3.00%
	GA 5		1.00%
1999	GA 1		10.00%
	GA 2		5.00%
	GA 3		4.00%
	GA 4		3.00%

	GA 5		1.00%
2000	GA 1		10.00%
	GA 2		5.00%
	GA 3		4.00%
	GA 4		3.00%
	GA 5		1.00%
2001	GA 1		10.00%
	GA 2		5.00%
	GA 3		4.00%
	GA 4		3.00%
	GA 5		1.00%

Field Information:

Name	Display Characteristics	Data Source	Table Name / Column Name	Comments (Functional Notes / Calculations / Validations)
Guaranty Agency	Prompt / Attribute	FPDM	D_GA / GA_ID, GA_STATE, GA_NAME	
Fiscal Year	Prompt / Attribute	FPDM	D_FY / FY_ID, FY_DESC	
% Change of Defaulted Dollars	Metric	Form 2000	F_FM2000_ANNL/GA Form 2000 Annual Line Item where GA_F2000_ANNL_LN_ITEM_CD = AR8_CY	% Change of Defaulted Dollars = AR8 (CY) - AR8 (PY) / AR8 (PY)

Design Constraints:

None

Performance Considerations:

None

Implementation Considerations:

None

Testing Requirements

Test Condition	Expected Results
Generate Report using one Guaranty Agency and Fiscal Year as prompt	Report is generated for selected Guaranty Agency and Fiscal Year. All fields are populated with correct information.
Generate Report using multiple Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using all Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.

Generate Report using different user types.	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report where no data is found.	Report will be displayed empty. Error message will be displayed.

Issues and Additional Considerations

The following Issues were defined during Functional Design:

Issue	Raised By / Date Needed	Resolution/Answer	Resolved By / Date Completed
None			

10.0 Portfolio Characteristics

General Requirements

Business Objective:

The Portfolio Characteristics Report measures % Changes in key portfolio characteristics over time.

This report will be used by the FP Data Mart Power Users to identify large fluctuations in portfolio levels.

Component Description:

This document provides the functionality and the requirements related to the Portfolio Characteristics report. The Portfolio Characteristics report will be part of the Guaranty Agency (GA) Scorecard. The FP Data Mart Power Users will have the ability to generate this report for specific GA's and Fiscal Years.

The following fields will be displayed in the report:

- Guaranty Agency
- Fiscal Year
- % Change over time in volume

Component Risks:

- None

Assumptions:

- The report can be generated after the data is available in FPDM from originating data source(s).
- The calculations for this report are correct and the data is accurate.
- The report is dependent on successful processing of the calculations.

Specifications

Report Name:	Portfolio Characteristics
Application:	FP Data Mart
Risk Factor:	Large fluctuations in portfolio levels
Value:	3
Benchmark:	% Change Over Time

Score:	Increase > 15% / 1 point / 3 xValue - TRIGGER Increase 5.01 - 15% / 5 points / 15 xValue Increase 0 - 5% / 3 points / 9 xValue Any decrease / 1 point / 3 xValue - TRIGGER
Data Source:	Form 2000
Data Requirements:	AR1, AR2, AR3, AR4 from Form 2000
Attributes:	Guaranty Agency and Fiscal Year
Prompts:	Guaranty Agency and Fiscal Year
Metrics:	$\% \text{ Change Over Time} = \frac{[(AR1_{CY} + AR3_{CY} - AR2_{CY} - AR4_{CY}) - [(AR1_{PY} + AR3_{PY} - AR2_{PY} - AR4_{PY})]]}{[(AR1_{PY} + AR3_{PY} - AR2_{PY} - AR4_{PY})]}$
Filters:	Restricted GA Access based on report and data level security
Output:	Online/HTML/Excel/Text

Design

Report Layout

SI#8 Portfolio Characteristics

Fiscal Year	Guaranty Agency	Metrics	% Change Over Time in Volume (From Previous Year)
1998	GA 1		20.00%
	GA 2		12.00%
	GA 3		7.00%
	GA 4		5.00%
	GA 5		1.00%
1999	GA 1		20.00%
	GA 2		12.00%
	GA 3		7.00%
	GA 4		5.00%
	GA 5		1.00%
2000	GA 1		20.00%

	GA 2		12.00%
	GA 3		7.00%
	GA 4		5.00%
	GA 5		1.00%
2001	GA 1		20.00%
	GA 2		12.00%
	GA 3		7.00%
	GA 4		5.00%
	GA 5		1.00%

Field Information:

Name	Display Characteristics	Data Source	Table Name / Column Name	Comments (Functional Notes / Calculations / Validations)
Guaranty Agency	Prompt / Attribute	FPDM	D_GA / GA_ID, GA_STATE, GA_NAME	
Fiscal Year	Prompt / Attribute	FPDM	D_FY / FY_ID, FY_DESC	
% Change Over Time in Volume	Metric	Form 2000	F_FM2000_ANNL/GA Form 2000 Annual Line Item where GA_F2000_ANNL_LN_ITEM_CD = AR1_CY, AR2_CY, AR3_CY, AR4_CY, AR1_PY, AR2_PY, AR3_PY, AR4_PY	% Change Over Time = (AR1_CY + AR3_CY - AR2_CY - AR4_CY) - (AR1_PY + AR3_PY - AR2_PY - AR4_PY) / - (AR1_PY + AR3_PY - AR2_PY - AR4_PY)

Design Constraints:

None

Performance Considerations:

None

Implementation Considerations:

None

Testing Requirements

Test Condition	Expected Results
Generate Report using one Guaranty Agency and Fiscal Year as prompt	Report is generated for selected Guaranty Agency and Fiscal Year. All fields are populated with correct information.
Generate Report using multiple Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using all Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.

	information.
Generate Report using different user types.	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report where no data is found.	Report will be displayed empty. Error message will be displayed.

Issues and Additional Considerations

The following Issues were defined during Functional Design:

Issue	Raised By / Date Needed	Resolution/Answer	Resolved By / Date Completed
None			

11.0 Rate of Reinsurance

General Requirements

Business Objective:

The Rate of Reinsurance report measures rates of reinsurance, and specifically targets low rates of reinsurance across Guaranty Agencies.

This report will be used by the FP Data Mart Power Users to identify low Rates of Reinsurance.

Component Description:

This document provides the functionality and the requirements related to the Portfolio Characteristics report. The Portfolio Characteristics report will be part of the Guaranty Agency (GA) Scorecard. The FP Data Mart Power Users will have the ability to generate this report for specific GA's and Fiscal Years.

The following fields will be displayed in the report:

- Guaranty Agency
- Fiscal Year
- % Reimbursement Rate

Component Risks:

- None

Assumptions:

- The report can be generated after the data is available in FPDM from originating data source(s).
- The calculations for this report are correct and the data is accurate.
- The report is dependent on successful processing of the calculations.

Specifications

Report Name:	Rate of Reinsurance
Application:	FP Data Mart
Risk Factor:	Low Rate of Reinsurance
Value:	2
Benchmark:	95%

Score:	> 96% / 5 points / 10 xValue 95.01 - 96% / 4 points / 8 xValue < 95% / 1 point / 2 xValue - TRIGGER
Data Source:	Form 2000
Data Requirements:	Reimbursement % rate for claims based on FY default rate
Attributes:	Guaranty Agency; Fiscal Year
Prompts:	Guaranty Agency; Fiscal Year
Metrics:	% Reimbursement Rate = Current Year in Default / Loans in Repayment
Filters:	Restricted GA Access based on report and data level security
Output:	Online/HTML/Excel/Text

Design

Report Layout

SI#9 Rate of Reinsurance

Fiscal Year	Guaranty Agency	Metrics	% Reimbursement Rate
1998	GA 1		99.00%
	GA 2		97.00%
	GA 3		90.00%
	GA 4		50.00%
	GA 5		45.00%
1999	GA 1		99.00%
	GA 2		97.00%
	GA 3		90.00%
	GA 4		50.00%
	GA 5		45.00%
2000	GA 1		99.00%
	GA 2		97.00%
	GA 3		90.00%
	GA 4		50.00%

	GA 5		45.00%
2001	GA 1		99.00%
	GA 2		97.00%
	GA 3		90.00%
	GA 4		50.00%
	GA 5		45.00%

Field Information:

Name	Display Characteristics	Data Source	Table Name / Column Name	Comments (Functional Notes / Calculations / Validations)
Guaranty Agency	Prompt / Attribute	FPDM	D_GA / GA_ID, GA_STATE, GA_NAME	
Fiscal Year	Prompt / Attribute	FPDM	D_FY / FY_ID, FY_DESC	
% Reimbursement Rate.	Metric	Form 2000	<p>F_FM2000_ANNL/GA Form 2000 Annual Line Item where GA_F2000_ANNL_LN_ITEM_CD = AR8_CY</p> <p>F_FM2000_ANNL/GA Form 2000 Annual Line Item where GA_F2000_ANNL_LN_ITEM_CD = AR8_PY</p> <p>F_FM2000_ANNL/Current Year Amount where GA_F2000_ANNL_LN_ITEM_CD = (AR1_CY, AR2_CY, AR3_CY, AR4_CY, AR5_CY, AR6_CY, AR7_CY, AR8_CY, AR9_CY, AR10_CY, AR11_CY, AR12_CY)</p> <p>F_FM2000_ANNL/Current Year Amount where GA_F2000_ANNL_LN_ITEM_CD = (AR13_CY, AR14_CY)</p>	<p>% Reimbursement Rate = (AR8_CY - AR8_PY) / (AR1 - AR2 + AR3 - AR4 - AR5 + AR6 - AR7 - AR8 - AR9 - AR10 - AR11 - AR12) - (AR13 + AR14)</p>

Design Constraints:

None

Performance Considerations:

None

Implementation Considerations:

None

Testing Requirements

Test Condition	Expected Results
Generate Report using one Guaranty Agency and Fiscal Year as prompt	Report is generated for selected Guaranty Agency and Fiscal Year. All fields are populated with correct information.
Generate Report using multiple Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using all Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using different user types.	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report where no data is found.	Report will be displayed empty. Error message will be displayed.

Issues and Additional Considerations

The following Issues were defined during Functional Design:

Issue	Raised By / Date Needed	Resolution/Answer	Resolved By / Date Completed
None			

12.0 Account Maintenance Comparison

General Requirements

Business Objective:

The Account Maintenance Comparison report will be used by the FP Data Mart Power Users to identify underpayments of AMF. This report will compare account maintenance fees reported in NSLDS and account maintenance fees reported in Form 2000.

Component Description:

This document provides the functionality and the requirements related to the Account Maintenance Comparison report. The Account Maintenance Comparison report will be part of the Guaranty Agency (GA) Scorecard. The FP Data Mart Power Users will have the ability to generate this report for specific GA and fiscal year.

The following fields will be displayed in the report:

- Guaranty Agency
- Fiscal Year
- Calculation (% Account Maintenance Comparison)

FP Power Users will be able to generate the report using the MicroStrategy web interface through the FSA intranet or the Internet. Also they will have the MicroStrategy desktop software on their desktops at work to execute this report.

Component Risks:

- Report depends on AMF extract from NSLDS and AR32 and AR33 values from Form 2000.

Assumptions:

- The report can be generated after the data is available in FPDM from originating data source(s).
- The Account Maintenance Comparison report is dependent on successful processing of the calculations.

Specifications

Report Name:	Account Maintenance Comparison
Application:	FP Data Mart
Risk Factor:	Underpayment of Account Maintenance Fee
Value:	2
Benchmark:	95%
Score:	> 95% / 5 points / 10 xValue 89.01 - 95% / 4 points / 8 xValue 84.01 - 89% / 3 points / 6 xValue 80.01 - 84% / 2 points / 4 xValue

	< 80% / 1 point / 2 xValue - TRIGGER
Data Source:	Form 2000 and NSLDS
Data Requirements:	AR32 and AR33 from Form 2000 AMF number from NSLDS
Attributes:	Guaranty Agency and Fiscal Year.
Prompts:	Guaranty Agency and Fiscal Year
Metrics:	% Account Maintenance Comparison. The calculation for this is $[(AR32 + AR33*1000) - (AMF*.10\%)] / (AMF*.10\%)$
Filters:	Restricted Guaranty Agency Access based on report and data level security
Output:	Online/HTML/Excel/Text

Design

Report Layout

SI#10 Account Maintenance Comparison

Fiscal Year	Guaranty Agency	Metrics	% Account Maintenance Comparison
1998	GA 1		80.00%
	GA 2		95.00%
	GA 3		89.00%
	GA 4		90.00%
	GA 5		89.00%
1999	GA 1		87.00%
	GA 2		98.00%
	GA 3		90.00%
	GA 4		80.00%
	GA 5		85.00%
2000	GA 1		95.00%
	GA 2		90.00%
	GA 3		89.00%
	GA 4		85.00%
	GA 5		84.00%
2001	GA 1		80.00%
	GA 2		77.00%
	GA 3		68.00%
	GA 4		90.00%
	GA 5		95.00%

The Account Maintenance Comparison report will have a description paragraph next to each report icon in the GA Scorecard folder. The paragraph will describe the business objective of each report.

Field Information:

Name	Display Characteristics	Data Source	Table Name / Column Name	Comments (Functional Notes / Calculations / Validations)
Guaranty Agency	Prompt/Attribute	FPDM	D_GA / GA_ID, GA_STATE, GA_NAME	
Fiscal Year	Prompt/Attribute	FPDM	D_FY / FY_ID, FY_DESC	
% Account Maintenance Comparison	Metric	Form 2000 / NSLDS	F_FM2000_ANNL/GA Form 2000 Annual Line Item where GA_F2000_ANNL_LN_ITEM_CD = (AR32_CY, AR33_CY) F_GA_AMF / GA_CODE, YR_ID, LOAN_TYPE_ID, AMF_AMT	[(AR32 + AR33*1000) - (AMF*.10%)] / (AMF*.10%)

Design Constraints:

None

Performance Considerations:

None

Implementation Considerations:

None

Testing Requirements

Test Condition	Expected Results
Generate Report using one Guaranty Agency and Fiscal Year as prompt	Report is generated for selected Guaranty Agency and Fiscal Year. All fields are populated with correct information.
Generate Report using multiple Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using all Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using different user types.	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report where no data is found.	Report will be displayed empty. Error message will be displayed.

Issues and Additional Considerations

The following Issues were defined during Functional Design:

Issue	Raised By / Date Needed	Resolution/Answer	Resolved By / Date Completed
None			

13.0 Total Collections on Defaulted Loans Current Year

General Requirements

Business Objective:

The Total Collections on Defaulted Loans Current Year report measures the total Collections in comparison with outstanding portfolio throughout the year (over a x year period).

This report will be used by the FP Data Mart Power Users to identify any decrease in total Collections on defaulted loans during the current year.

Component Description:

This document provides the functionality and the requirements related to the Total Collections on Defaulted Loans Current Year report. The Total Collections on Defaulted Loans Current Year report will be part of the Guaranty Agency (GA) Scorecard. The FP Data Mart Power Users will have the ability to generate this report for specific GA and fiscal year.

The following fields will be displayed in the report:

- Guaranty Agency
- Fiscal Year
- Calculation (% Total Collection)

FP Power Users will be able to generate the report using the MicroStrategy web interface through the FSA intranet or the Internet. Also they will have the MicroStrategy desktop software on their desktops at work to execute this report.

Component Risks:

- Report depends on the data sources that populate the MR10, MR11a, MR12a, MR13a, and MR32 in Form 2000.

Assumptions:

- The report can be generated after the data is available in FPDM from originating data source(s).
- The Total Collections on Defaulted Loans Current Year report is dependent on successful processing of the calculation.

Specifications

Report Name:	Total Collections on Defaulted Loans Current Year
Application:	FP Data Mart
Risk Factor:	Decrease in Total Collections
Value:	2
Benchmark:	National Average* *The National Average will be computed by developing a metric in Data Mart that would

	determine the national average for the same time frame. This metric would take the data results and add them together and divide by the number of GAs.
Score:	If (> Nat'l Avg) / 5 points / 10 xValue If (< Nat'l Avg) and (> Nat'l Avg + 5%) / 4 points / 8 xValue If (< Nat'l Avg + 5%) and (> Nat'l Avg + 10%) / 3 points / 6 xValue If (< Nat'l Avg + 10%) / 1 point / 2 xValue - TRIGGER
Data Source:	Form 2000
Data Requirements:	MR10, MR11a, MR12a, MR13 a, andMR32 are from Form 2000
Attributes:	Guaranty Agency and Fiscal Year
Prompts:	Guaranty Agency and Fiscal Year
Metrics:	% Total Collection. The calculation is $MR10 + (MR11a + MR12a + MR13a) / MR32$. $MR10 = (MR10a * 1.226994)$ The numerator for this calculation will be the sum of all the monthly values of MR10a, MR11a, MR12a, and MR13a. The denominator will be the final value of the MR32 by Sep 30.
Filters:	Restricted GA access based on report and data level security.
Output:	Online/HTML/Excel/Text

Design

Report Layout

SI#11 Total Collections on Defaulted Loans Current Year

Fiscal Year	Guaranty Agency	Metrics	% Total Collection
1998	GA 1		80.00%
	GA 2		95.00%
	GA 3		89.00%
	GA 4		90.00%
	GA 5		89.00%
1999	GA 1		87.00%
	GA 2		98.00%
	GA 3		90.00%
	GA 4		80.00%

	GA 5	85.00%
2000	GA 1	95.00%
	GA 2	90.00%
	GA 3	89.00%
	GA 4	85.00%
	GA 5	84.00%
2001	GA 1	80.00%
	GA 2	77.00%
	GA 3	68.00%
	GA 4	90.00%
	GA 5	95.00%

The Total Collections on Defaulted Loans Current Year report will have a description paragraph next to each report icon in the GA Scorecard folder. The paragraph will describe the business objective of each report.

Field Information:

Name	Display Characteristics	Data Source	Table Name / Column Name	Comments (Functional Notes / Calculations / Validations)
Guaranty Agency	Prompt/Attribute	FPDM	D_GA / GA_ID, GA_STATE, GA_NAME	
Fiscal Year	Prompt/Attribute	FPDM	D_FY / FY_ID, FY_DESC	
% Total Collection	Metric	Form 2000	F_FM2000_MNTH/Requested Principal Amount where GA_F2000_MNTH_LN_ITEM_ID = (MR10_A_P, MR11_A_P, MR12_A_P, MR13_A_P) F_FM2000_MNTH_QTR/Requested Principal Amount where GA_F2000_MNTHQTR_LN_ITEM_CD = MR32_P	MR10 + (MR11a + MR12a + MR13a)/MR32 MR10 = MR10a * 1.226994

Design Constraints:

None

Performance Considerations:

None

Implementation Considerations:

None

Testing Requirements

Test Condition	Expected Results
Generate Report using one Guaranty Agency and Fiscal Year as prompt	Report is generated for selected Guaranty Agency and Fiscal Year. All fields are populated with correct information.
Generate Report using multiple Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using all Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using different user types.	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report where no data is found.	Report will be displayed empty. Error message will be displayed.

Issues and Additional Considerations

The following Issues were defined during Functional Design:

Issue	Raised By / Date Needed	Resolution/Answer	Resolved By / Date Completed
None			

14.0 History of Total Collections on Defaulted Loans

General Requirements

Business Objective:

The History of Total Collections on Defaulted Loans report measures the history of total collections in comparisons with outstanding portfolio over time.

This report will be used by the FP Data Mart Power Users to identify any decrease in total Collections over time.

Component Description:

This document provides the functionality and the requirements related to the History of Total Collections on Defaulted Loans report. The History of Total Collections on Defaulted Loans report will be part of the Guaranty Agency (GA) Scorecard. The FP Data Mart Power Users will have the ability to generate this report for specific GA and fiscal year.

The following fields will be displayed in the report:

- Guaranty Agency
- Fiscal Year
- Calculation (% Total Collection)

FP Power Users will be able to generate the report using the MicroStrategy web interface through the FSA intranet or the Internet. Also they will have the MicroStrategy desktop software on their desktops at work to execute this report.

Component Risks:

- Report depends on the data sources that populate the MR10, MR11a, MR12a, MR13a, and MR32 in Form 2000.

Assumptions:

- The report can be generated after the data is available in FPDM from originating data source(s).
- The History of Total Collections on Defaulted Loans report is dependent on successful processing of the calculations.

Specifications

Report Name:	History of Total Collections on Defaulted Loans
Application:	FP Data Mart
Risk Factor:	Decrease in Total Collections over time
Value:	1
Benchmark:	Collections compared to total defaulted loan portfolio
Score:	Any Increase / 5 points / 5 xValue Decrease 0 - 3% / 3 points / 3 xValue

	Decrease 3.01 - 6 % / 2 points / 2 xValue Decrease > 6% / 1 point / 1 xValue - TRIGGER
Data Source:	Form 2000
Data Requirements:	MR10a, MR11a, MR12a, MR13 a, and MR32 are from Form 2000.
Attributes:	Guaranty Agency and Fiscal Year
Prompts:	Guaranty Agency and Fiscal Year
Metrics:	% Total Collection. The calculation is $MR10 + (MR11a + MR12a + MR13a) / MR32$. $MR10 = (MR10a * 1.226994)$ The numerator for this calculation will be the sum of all the monthly values of MR10a, MR11a, MR12a, and MR13a. The denominator will be the final value of the MR32 by Sep 30.
Filters:	Restricted GA access based on report and data level security.
Output:	Online/HTML/Excel/Text

Design

Report Layout

SI#12 History of Total Collections on Defaulted Loans

Guaranty Agency	Fiscal Year	Metrics	% Total Collection
GA 1	1998		80.00%
	1999		95.00%
	2000		89.00%
	2001		90.00%
	2002		89.00%
GA 2	1998		87.00%
	1999		98.00%
	2000		90.00%
	2001		80.00%
	2002		85.00%
GA 3	1998		95.00%
	1999		90.00%
	2000		89.00%
	2001		85.00%
	2002		84.00%
GA 4	1998		80.00%
	1999		77.00%
	2000		68.00%

	2001	90.00%
	2002	95.00%

The History of Total Collections on Defaulted Loans report will have a description paragraph next to each report icon in the GA Scorecard folder. The paragraph will describe the business objective of each report.

Field Information:

Name	Display Characteristics	Data Source	Table Name / Column Name	Comments (Functional Notes / Calculations / Validations)
Guaranty Agency	Prompt/Attribute	FPDM	D_GA / GA_ID, GA_STATE, GA_NAME	
Fiscal Year	Prompt/Attribute	FPDM	D_FY / FY_ID, FY_DESC	
% Total Collection	Metric	Form 2000	F_FM2000_MNTH/Requested Principal Amount where GA_F2000_MNTH_LN_ITEM_ID = (MR10_A_P, MR11_A_P, MR12_A_P, MR13_A_P) F_FM2000_MNTH_QTR/Requested Principal Amount where GA_F2000_MNTHQTR_LN_ITEM_CD = MR32_P	MR10 + (MR11a + MR12a + MR13a)/MR32 MR10 = MR10a * 1.226994

Design Constraints:

None

Performance Considerations:

None

Implementation Considerations:

None

Testing Requirements

Test Condition	Expected Results
Generate Report using one Guaranty Agency and Fiscal Year as prompt	Report is generated for selected Guaranty Agency and Fiscal Year. All fields are populated with correct information.
Generate Report using multiple Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using all Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.

	information.
Generate Report using different user types.	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report where no data is found.	Report will be displayed empty. Error message will be displayed.

Issues and Additional Considerations

The following Issues were defined during Functional Design:

Issue	Raised By / Date Needed	Resolution/Answer	Resolved By / Date Completed
None			

15.0 Market Share

General Requirements

Business Objective:

The Market Share report measures the portfolio for designated guarantor location within their state this year compared to previous year.

This report will be used by the FP Data Mart Power Users to identify any decreasing market share in designated state(s).

Component Description:

This document provides the functionality and the requirements related to the Market Share report. The Market Share report will be part of the Guaranty Agency (GA) Scorecard. The FP Data Mart Power Users will have the ability to generate this report for specific GA and fiscal year.

The following fields will be displayed in the report:

- Guaranty Agency
- Fiscal Year (Last Extract Date of Fiscal Year)
- State
- Total for State
- Total Loan Portfolio Previous Year
- Guarantor Market Share Previous Year
- Total Loan Portfolio Current Year
- Guarantor Market Share Current Year
- % Change in Market Share

FP Power Users will be able to generate the report using the MicroStrategy web interface through the FSA intranet or the Internet. Also they will have the MicroStrategy desktop software on their desktops at work to execute this report.

Component Risks:

- Report depends on the successful processing of the data in NSLDS and the Designation Spreadsheet.

Assumptions:

- The report can be generated after the data is available in FPDM from originating data source(s).
- The Market Share report is dependent on successful processing of the market share calculations.

Specifications

Report Name:	Market Share
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Application:	FP Data Mart
Risk Factor:	Determine decreasing market share in designated state(s)
Value:	2
Benchmark:	Market share in each designated state(s)
Score:	Increase greater than 1% / 5 points / 10 xValue +/- 1% of Change from previous year's market share / 3 points / 6 xValue Decrease between 1.01% to 10% / 2 points / 4 xValue Decrease greater than 10% / 1 point / 2 xValue - TRIGGER
Data Source:	NSLDS and Designation Spreadsheet
Data Requirements:	State, by Last Extract Date of Fiscal Year, OPB (cy), OPB (py), Sum of OPB for State from NSLDS. Designated Guarantor from Designation Spreadsheet
Attributes:	Guaranty Agency, Fiscal Year (Last Extract Date of Fiscal Year), and State
Prompts:	Guaranty Agency and Extract Fiscal Year
Metrics:	Guarantor Market Share Current Year. The calculation is OPB for State / Total OPB for All States where GA has business Guarantor Market Share Previous Year. The calculation is OPB for State / Total OPB for All States where GA has business % Change in Market Share. The calculation is (%Market Share CY - % Market Share PY)
Filters:	Restricted GA access based on report and data level security.
Output:	Online/HTML/Excel/Text

Design

Report Layout

SI#13 Market Share

Guaranty Agency	State	Metrics	Total Loan Portfolio Previous Year	Guarantor Market Share Previous Year	Total Loan Portfolio Current Year	Guarantor Market Share Current Year	% Change in Market Share
GA	New York		\$ 57,473,930	23%	\$ 300,033,838	87%	64%
	Total for State		\$ 253,879,564		\$ 345,789,089		

Alabama		\$	36,363,636	49%	\$	14,747,474	5%	-43%
Total for State		\$	74,634,590		\$	272,625,253		

The Market Share report will have a description paragraph next to each report icon in the GA Scorecard folder. The paragraph will describe the business objective of each report.

Field Information:

Name	Display Characteristics	Data Source	Table Name / Column Name	Comments (Functional Notes / Calculations / Validations)
Guarantor	Prompt	Designation Spreadsheet	GA_DESIGNATION / DESIGNATED_GUARANTOR	
Guaranty Agency	Prompt/ Attribute	FPDM	D_GA / GA_ID, GA_STATE, GA_NAME	
Extract Date	Prompt/ Attribute	FPDM	LKP_EXTRACT_DATE_FISCAL_MONTH / EXTRACT_DATE, FISCAL_MONTH_ID	
State	Attribute	Designation Spreadsheet	LKP_GA_DESIGNATION / STATE	
Total for State	Metric	NSLDS	F_FFEL_LOAN / OUT_PRNCPL_BAL_AMT, GA_ID, SCH_BRNCH_CD	Sum of all OPB values for the GA in particular state requested
Total Loan Portfolio Previous Year	Metric	NSLDS	F_FFEL_LOAN / OUT_PRNCPL_BAL_AMT	
Guarantor Market Share Previous Year	Metric	FPDM	F_FFEL_LOAN / OUT_PRNCPL_BAL_AMT	OPB for State / Total OPB for All States where GA has business
Total Loan Portfolio Current Year	Metric	NSLDS	F_FFEL_LOAN / OUT_PRNCPL_BAL_AMT	
Guarantor Market	Metric	FPDM	F_FFEL_LOAN / OUT_PRNCPL_BAL_AMT	OPB for

Share Current Year				State / Total OPB for All States where GA has business
% Change in Market Share	Metric	NSLDS	F_FFEL_LOAN / OUT_PRNCPL_BAL_AMT	Market Share Current Year - Market Share Previous Year

Design Constraints:

None

Performance Considerations:

None

Implementation Considerations:

None

Testing Requirements

Test Condition	Expected Results
Generate Report using one Guaranty Agency and Fiscal Year as prompt	Report is generated for selected Guaranty Agency and Fiscal Year. All fields are populated with correct information.
Generate Report using multiple Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using all Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using different user types.	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report where no data is found.	Report will be displayed empty. Error message will be displayed.

Issues and Additional Considerations

The following Issues were defined during Functional Design:

Issue	Raised By / Date Needed	Resolution/Answer	Resolved By / Date Completed
None			

16.0 GA Subrogated Loan Candidates

General Requirements

Business Objective:

The GA Subrogated Loan Candidates report measures the total dollars of loans that are qualified for subrogated status but have not been designated. This report looks at the effectiveness of the collections for the current year.

This report will be used by the FP Data Mart Power Users to identify the effectiveness of the collections.

Component Description:

This document provides the functionality and the requirements related to the GA Subrogated Loan Candidates report. The GA Subrogated Loan Candidates report will be part of the Guaranty Agency (GA) Scorecard. The FP Data Mart Power Users will have the ability to generate this report for specific GA and fiscal year.

The following fields will be displayed in the report:

- Guaranty Agency
- Fiscal Year
- Calculation (% Subrogated Loans)

FP Power Users will be able to generate the report using the MicroStrategy web interface through the FSA intranet or the Internet. Also they will have the MicroStrategy desktop software on their desktops at work to execute this report.

Component Risks:

- Report depends on the data sources for the total dollars in loans subject to subrogation and total default dollars in NSLDS.

Assumptions:

- The report can be generated after the data is available in FPDM from originating data source(s).

Specifications

Report Name:	GA Subrogated Loan Candidates
Application:	FP Data Mart
Risk Factor:	Effectiveness of collection
Value:	1
Benchmark:	National Average of Age of Claims* *The National Average will be computed by developing a metric in Data Mart that would determine the national average for the same time

	frame. This metric would take the data results and add them together and divide by the number of GAs.
Score:	< X% / 5 points / 5 xValue X - X% / 4 points / 4 xValue X / 3 points / 3 xValue X - X% / 2 points / 2 xValue > X% / 1 point / 1 xValue - TRIGGER
Data Source:	NSLDS
Data Requirements:	Total dollars in loans subject to subrogation and total default dollars from NSLDS
Attributes:	Guaranty Agency and Fiscal Year
Prompts:	Guaranty Agency and Fiscal Year
Metrics:	% Subrogated Loans. The calculation is total dollars in loans subject to subrogation / total dollars in default loans
Filters:	Restricted GA access based on report and data level security.
Output:	Online/HTML/Excel/Text

Design

Report Layout

SI#14 GA Subrogated Loan Candidate

Fiscal Year	Guaranty Agency	Metrics	% Subrogated Loans
1998	GA 1		2.00%
	GA 2		1.00%
	GA 3		0.00%
	GA 4		2.00%
	GA 5		1.00%
1999	GA 1		0.00%
	GA 2		0.00%
	GA 3		0.00%
	GA 4		0.00%
	GA 5		0.00%
2000	GA 1		3.00%
	GA 2		1.00%
	GA 3		0.00%
	GA 4		0.00%
	GA 5		0.00%
2001	GA 1		1.00%

	GA 2	1.00%
	GA 3	0.00%
	GA 4	0.00%
	GA 5	0.00%

The GA Subrogated Loan Candidate will have a description paragraph next to each report icon in the GA Scorecard folder. The paragraph will describe the business objective of each report.

Field Information:

Name	Display Characteristics	Data Source	Table Name / Column Name	Comments (Functional Notes / Calculations / Validations)
Guaranty Agency	Prompt/Attribute	FPDM	D_GA / GA_ID, GA_STATE, GA_NAME	
Fiscal Year	Prompt/Attribute	FPDM	D_FY / FY_ID, FY_DESC	
% Subrogated Loans	Metric	NSLDS	F_GA_SUB_LOAN / CUM_PRIN_AMT_COLL OUT_PRIN_BAL_AMT + OUT_INT_BAL_AMT from F_FFEL_LOAN where LOAN_STATUS in (DZ, DB, DF, DK, DL, DO, DT, DU, DX)	The calculation is total dollars in loans subject to subrogation / total dollars in default loans

Design Constraints:

None

Performance Considerations:

None

Implementation Considerations:

None

Testing Requirements

Test Condition	Expected Results
Generate Report using one Guaranty Agency and Fiscal Year as prompt	Report is generated for selected Guaranty Agency and Fiscal Year. All fields are populated with correct information.
Generate Report using multiple Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using all Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using different user types.	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct

	information.
Generate Report where no data is found.	Report will be displayed empty. Error message will be displayed.

Issues and Additional Considerations

The following Issues were defined during Functional Design:

Issue	Raised By / Date Needed	Resolution/Answer	Resolved By / Date Completed
Scoring Levels undefined. The GA Subrogated Loan Candidate report scoring levels have not been defined due to the lack of background information regarding the possible values of the results from the calculations in this report. These scoring levels will be defined later on when the calculations for this report have been performed.	Ramon Corrada / 07/17/03		

17.0 Change in Loan Status

General Requirements

Business Objective:

The Change in Loan Status report measures percentage of loans out of school for more than six months and still carrying an in-school or an in-grace category status.

This report will be used by the FP Data Mart Power Users to identify any discrepancies across data sources of loan statuses.

Component Description:

This document provides the functionality and the requirements related to the Change in Loan Status report. The Change in Loan Status report will be part of the Guaranty Agency (GA) Scorecard. The FP Data Mart Power Users will have the ability to generate this report for specific GA and fiscal year.

The following fields will be displayed in the report:

- Guaranty Agency
- Fiscal Year
- Calculation (% Incorrect loans)

FP Power Users will be able to generate the report using the MicroStrategy web interface through the FSA intranet or the Internet. Also they will have the MicroStrategy desktop software on their desktops at work to execute this report.

Component Risks:

- Report depends on the data sources that populate loan type and loan id in NSLDS.

Assumptions:

- The report can be generated after the data is available in FPDM from originating data source(s).
- The Change in Loan Status report is dependent on successful processing of the calculations.

Specifications

Report Name:	Change in Loan Status
Application:	FP Data Mart
Risk Factor:	The discrepancies across data sources of Loan Status.
Value:	2
Benchmark:	Zero

Score:	Zero / 5 points / 10 xValue 0.01 - 2% / 4 points / 8 xValue 2.01% - 4% / 3 points / 6 xValue 4.01% - 5% / 2 points / 4 xValue > 5% / 1 point / 2 xValue - TRIGGER
Data Source:	NSLDS
Data Requirements:	LID, Number of Loans with Incorrect Status, and Total Number of Loans from NSLDS
Attributes:	Guaranty Agency and Fiscal Year
Prompts:	Guaranty Agency and Fiscal Year
Metrics:	% Incorrect Loans. The calculation is Number of Loans with Incorrect Status / Total Number of Loans
Filters:	Restricted GA access based on report and data level security.
Output:	Online/HTML/Excel/Text

Design

Report Layout

SI#15 Change in Loan Status

Guaranty Agency	Extract Date	Loan Type	Metrics	Incorrect Loans	Total Loans	% Incorrect Loans
GA 1	5/20/2003			0	20	0.00%
GA 2	5/20/2003			3	300	1.00%
GA 3	5/20/2003			23	1000	2.30%
GA 4	5/20/2003			1	20	5.00%
GA 5	5/20/2003			4	400	1.00%

The Change in Loan Status report will have a description paragraph next to each report icon in the GA Scorecard folder. The paragraph will describe the business objective of each report.

Field Information:

Name	Display Characteristics	Data Source	Table Name / Column Name	Comments (Functional Notes / Calculations / Validations)
Guaranty Agency	Prompt/Attribute	FPDM	D_GA / GA_ID, GA_STATE, GA_NAME	
Fiscal Year	Prompt/Attribute	FPDM	D_CALENDAR_DATE / DATE_ID	

Loan Type	Attribute	NSLDS	F_FFEL_LOAN / LOAN_TYPE_ID	
Incorrect Status Loans	Metric	NSLDS	F_FFEL_LOAN / TTL_LOAN_INCORRECT_STATUS_CNT	
Total Loans	Metric	NSLDS	F_FFEL_LOAN / TTL_LOAN_CNT	
%Total Loans	Metric	NSLDS	F_FFEL_LOAN / TTL_LOAN_INCORRECT_STATUS_CNT, TTL_LOAN_CNT	

Design Constraints:

None

Performance Considerations:

None

Implementation Considerations:

None

Testing Requirements

Test Condition	Expected Results
Generate Report using one Guaranty Agency and Fiscal Year as prompt	Report is generated for selected Guaranty Agency and Fiscal Year. All fields are populated with correct information.
Generate Report using multiple Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using all Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using different user types.	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report where no data is found.	Report will be displayed empty. Error message will be displayed.

Issues and Additional Considerations

The following Issues were defined during Functional Design:

Issue	Raised By / Date Needed	Resolution/Answer	Resolved By / Date Completed
None			

18.0 Change in Error Rates

General Requirements

Business Objective:

The Change in Error Rates report measures error rate in NSLDS. This report will verify the accuracy of the data in NSLDS.

This report will be used by the FP Data Mart Power Users to identify the accuracy of reported data and the data entry in NSLDS.

Component Description:

This document provides the functionality and the requirements related to the Change in Error Rates report. The Change in Error Rates report will be part of the Guaranty Agency (GA) Scorecard. The FP Data Mart Power Users will have the ability to generate this report for specific GA and fiscal year.

The following fields will be displayed in the report:

- Guaranty Agency
- Fiscal Year
- Calculation (% error rate)

FP Power Users will be able to generate the report using the MicroStrategy web interface through the FSA intranet or the Internet. Also they will have the MicroStrategy desktop software on their desktops at work to execute this report.

Component Risks:

- Report depends on the data reported in NSLDS.

Assumptions:

- The report can be generated after the data is available in FPDM from originating data source(s).

Specifications

Report Name:	Change in Error Rates
Application:	FP Data Mart
Risk Factor:	The accuracy of reported data in NSLDS
Value:	2
Benchmark:	98% Edit Pass Rate
Score:	98.01% - 100% / 5 points / 10 xValue 96.01% - 98% / 4 points / 8 xValue 93.01% - 96% / 3 points / 6 xValue 90.01% - 93% / 2 points / 4 xValue equal or less than 90% / 1 point / 2 xValue - TRIGGER

Data Source:	NSLDS
Data Requirements:	Numerator for Data Pass Rate and Denominator for Data Pass Rate from NSLDS
Attributes:	Guaranty Agency and Fiscal Year
Prompts:	Guaranty Agency and Fiscal Year
Metrics:	% Error Rate The calculation is 100 - (Numerator for Data Pass Rate/Denominator for Data Pass Rate)
Filters:	Restricted GA access based on report and data level security.
Output:	Online/HTML/Excel/Text

Design

Report Layout

SI#16 Change in Error Rates

Fiscal Year	Guaranty Agency	Metrics	% Error Rate
1998	GA 1		89.00%
	GA 2		90.00%
	GA 3		93.00%
	GA 4		95.00%
	GA 5		100.00%
1999	GA 1		99.00%
	GA 2		97.00%
	GA 3		88.00%
	GA 4		79.00%
	GA 5		92.00%
2000	GA 1		91.00%
	GA 2		94.00%
	GA 3		96.00%
	GA 4		98.00%
	GA 5		99.00%
2001	GA 1		100.00%
	GA 2		92.00%
	GA 3		93.00%
	GA 4		95.00%
	GA 5		97.00%

The Change in Error Rates report will have a description paragraph next to each report icon in the GA Scorecard folder. The paragraph will describe the business objective of each report.

Field Information:

Name	Display Characteristics	Data Source	Table Name / Column Name	Comments (Functional Notes / Calculations / Validations)
Guaranty Agency	Prompt/Attribute	FPDM	D_GA / GA_ID, GA_STATE, GA_NAME	
Fiscal Year	Prompt/Attribute	FPDM	D_FY / FY_ID, FY_DESC	
% Error Rates	Metric	NSLDS	F_VFA_PERF_RPT /PASS_NUMERATOR_NUM, PASS_DENOMINATOR_NUM	100 - (Numerator for Data Pass Rate/Denominator for Data Pass Rate)

Design Constraints:

None

Performance Considerations:

None

Implementation Considerations:

None

Testing Requirements

Test Condition	Expected Results
Generate Report using one Guaranty Agency and Fiscal Year as prompt	Report is generated for selected Guaranty Agency and Fiscal Year. All fields are populated with correct information.
Generate Report using multiple Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using all Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using different user types.	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report where no data is found.	Report will be displayed empty. Error message will be displayed.

Issues and Additional Considerations

The following Issues were defined during Functional Design:

Issue	Raised By / Date Needed	Resolution/Answer	Resolved By / Date Completed
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Issue	Raised By / Date Needed	Resolution/Answer	Resolved By / Date Completed
None			

19.0 FFEL Collections

General Requirements

Business Objective:

The FFEL Collections report measures the percentage of collections received via FFEL Consolidation Loans.

This report will be used by the FP Data Mart Power Users to identify GAs below the national average in FFEL Collections.

Component Description:

This document provides the functionality and the requirements related to the FFEL Collections report. The FFEL Collections report will be part of the Guaranty Agency (GA) Scorecard. The FP Data Mart Power Users will have the ability to generate this report for specific GA and fiscal year.

The following fields will be displayed in the report:

- Guaranty Agency
- Fiscal Year
- Calculation (% of Collection)

FP Power Users will be able to generate the report using the MicroStrategy web interface through the FSA intranet or the Internet. Also they will have the MicroStrategy desktop software on their desktops at work to execute this report.

Component Risks:

- Report depends on the data reported in Form 2000.

Assumptions:

- The report can be generated after the data is available in FPDM from originating data source(s).

Specifications

Report Name:	FFEL Collections
Application:	FP Data Mart
Risk Factor:	Below the National Average in FFEL Collections
Value:	1
Benchmark:	< National Average + 10%* * The National Average will be computed by developing a metric in Data Mart that would determine the national average for the same time frame. This metric would take the data results and add them together and divide by the number

	of GAs.
Score:	If (> Nat'l Avg) / 5 points / 10 xValue If (< Nat'l Avg) and (> Nat'l Avg + 5%) / 4 points / 8 xValue If (< Nat'l Avg + 5%) and (> Nat'l Avg + 10%) / 3 points / 6 xValue If (< Nat'l Avg + 10%) / 1 point / 2 xValue - TRIGGER
Data Source:	Form 2000
Data Requirements:	MR11, MR10a, MR11a, MR12a, and MR13a from Form 2000
Attributes:	Guaranty Agency and Fiscal Year
Prompts:	Guaranty Agency and Fiscal Year
Metrics:	% of Collection - The calculation is $MR11 \times 12 \text{ mo}^* / MR10 + (MR11a + MR12a + MR13a) \times 12 \text{ mo}^*$ MR10 = (MR10a * 1.226994) *12mo = repeat the calculation for each month and then sum total before performing division.
Filters:	Restricted GA access based on report and data level security.
Output:	Online/HTML/Excel/Text

Design

Report Layout

SI#17 FFEL Collections

Fiscal Year	Guaranty Agency	Metrics	% of Collection
1998	GA 1		0.00%
	GA 2		0.00%
	GA 3		3.69%
	GA 4		0.00%
	GA 5		4.53%
1999	GA 1		0.00%
	GA 2		0.00%
	GA 3		3.69%
	GA 4		0.00%
	GA 5		4.53%
2000	GA 1		0.00%
	GA 2		0.00%
	GA 3		3.69%

	GA 4	0.00%
	GA 5	4.53%
2001	GA 1	0.00%
	GA 2	0.00%
	GA 3	3.69%
	GA 4	0.00%
	GA 5	4.53%

The FFEL Collections report will have a description paragraph next to each report icon in the GA Scorecard folder. The paragraph will describe the business objective of each report.

Field Information:

Name	Display Characteristics	Data Source	Table Name / Column Name	Comments (Functional Notes / Calculations / Validations)
Guaranty Agency	Prompt/Attribute	FPDM	D_GA / GA_ID, GA_STATE, GA_NAME	
Fiscal Year	Prompt/Attribute	FPDM	D_FY / FY_ID, FY_DESC	
% of Collection	Metric	Form 2000	F_FM2000_MNTH/Requested Principal Amount where GA_F2000_MNTH_LN_ITEM_ID = (MR10_A_P, MR11_P, MR11_A_P, MR12_A_P, MR13_A_P)	MR11 x 12 mo*/ MR10 + (MR11a + MR12a + MR13a)x 12 mo*) MR10 = (MR10a * 1.226994) *12mo = repeat the calculation for each month and then sum total before performing division.

Design Constraints:

None

Performance Considerations:

None

Implementation Considerations:

None

Testing Requirements

Test Condition	Expected Results
Generate Report using one Guaranty Agency and Fiscal Year as prompt	Report is generated for selected Guaranty Agency and Fiscal Year. All fields are populated with correct

	information.
Generate Report using multiple Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using all Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using different user types.	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report where no data is found.	Report will be displayed empty. Error message will be displayed.

Issues and Additional Considerations

The following Issues were defined during Functional Design:

Issue	Raised By / Date Needed	Resolution/Answer	Resolved By / Date Completed
None			

20.0 Direct Collections Activity

General Requirements

Business Objective:

The Direct Collections Activity report measures the percentage of collections received via Direct Consolidation loans.

This report will be used by the FP Data Mart Power Users to identify GAs below the national average in Direct Loan collections activity.

Component Description:

This document provides the functionality and the requirements related to the Direct Collections Activity report. The Direct Collections Activity report will be part of the Guaranty Agency (GA) Scorecard. The FP Data Mart Power Users will have the ability to generate this report for specific GA and fiscal year.

The following fields will be displayed in the report:

- Guaranty Agency
- Fiscal Year
- Calculation (% of Collection)

FP Power Users will be able to generate the report using the MicroStrategy web interface through the FSA intranet or the Internet. Also they will have the MicroStrategy desktop software on their desktops at work to execute this report.

Component Risks:

- Report depends on the data reported in Form 2000.

Assumptions:

- The report can be generated after the data is available in FPDM from originating data source(s).

Specifications

Report Name:	Direct Collections Activity
Application:	FP Data Mart
Risk Factor:	Below the National Average in Direct Loan Collections Activity
Value:	1
Benchmark:	< National Average + 10%* * The National Average will be computed by developing a metric in Data Mart that would determine the national average for the same time frame. This metric would take the data results

	and add them together and divide by the number of GAs.
Score:	If (> Nat'l Avg) / 5 points / 10 xValue If (< Nat'l Avg) and (> Nat'l Avg + 5%) / 4 points / 8 xValue If (< Nat'l Avg + 5%) and (> Nat'l Avg + 10%) / 3 points / 6 xValue If (< Nat'l Avg + 10%) / 1 point / 2 xValue - TRIGGER
Data Source:	Form 2000
Data Requirements:	MR27, MR10a, MR11a, MR12a, and MR13a from Form 2000
Attributes:	Guaranty Agency and Fiscal Year
Prompts:	Guaranty Agency and Fiscal Year
Metrics:	% of Collection - The calculation is $(MR27 \times 12 \text{ mo}^*) / (MR10 + (MR11a + MR12a + MR13a) \times 12 \text{ mo}^*)$ MR10 = $(MR10a \times 1.226994)$ *12mo = repeat the calculation for each month and sum the total before performing division
Filters:	Restricted GA access based on report and data level security.
Output:	Online/HTML/Excel/Text

Design

Report Layout

SI#18 Direct Collections Activity

Fiscal Year	Guaranty Agency	Metrics	% of Collection
1998	GA 1		0.00%
	GA 2		0.00%
	GA 3		3.69%
	GA 4		0.00%
	GA 5		4.53%
1999	GA 1		0.00%
	GA 2		0.00%
	GA 3		3.69%
	GA 4		0.00%
	GA 5		4.53%
2000	GA 1		0.00%

	GA 2	0.00%
	GA 3	3.69%
	GA 4	0.00%
	GA 5	4.53%
2001	GA 1	0.00%
	GA 2	0.00%
	GA 3	3.69%
	GA 4	0.00%
	GA 5	4.53%

The Direct Collections Activity report will have a description paragraph next to each report icon in the GA Scorecard folder. The paragraph will describe the business objective of each report.

Field Information:

Name	Display Characteristics	Data Source	Table Name / Column Name	Comments (Functional Notes / Calculations / Validations)
Guaranty Agency	Prompt/Attribute	FPDM	D_GA / GA_ID, GA_STATE, GA_NAME	
Fiscal Year	Prompt/Attribute	FPDM	D_FY / FY_ID, FY_DESC	
% of Collection	Metric	Form 2000	F_FM2000_MNTH/Requested Principal Amount where GA_F2000_MNTH_LN_ITEM_ID = (MR10_A_P, MR11_A_P, MR12_A_P, MR13_A_P) F_FM2000_MNTH_QTR/Requested Principal Amount where GA_F2000_MNTHQTR_LN_ITEM_CD = MR27_P	(MR27 x 12 mo*) / (MR10 + (MR11a + MR12a + MR13a) x 12 mo*) MR10 = (MR10a * 1.226994) *12mo = repeat the calculation for each month and sum the total before performing division

Design Constraints:

None

Performance Considerations:

None

Implementation Considerations:

None

Testing Requirements

Test Condition	Expected Results
Generate Report using one Guaranty Agency and Fiscal Year as prompt	Report is generated for selected Guaranty Agency and Fiscal Year. All fields are populated with correct information.
Generate Report using multiple Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using all Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using different user types.	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report where no data is found.	Report will be displayed empty. Error message will be displayed.

Issues and Additional Considerations

The following Issues were defined during Functional Design:

Issue	Raised By / Date Needed	Resolution/Answer	Resolved By / Date Completed
None			

21.0 Rehabilitation Collections

General Requirements

Business Objective:

The Rehabilitation Collections report measures the percentage of collections received via Rehabilitation Consolidation Loans.

This report will be used by the FP Data Mart Power Users to identify GAs above the national average for Rehabilitated Collections.

Component Description:

This document provides the functionality and the requirements related to the Rehabilitation Collections report. The Rehabilitation Collections report will be part of the Guaranty Agency (GA) Scorecard. The FP Data Mart Power Users will have the ability to generate this report for specific GA and fiscal year.

The following fields will be displayed in the report:

- Guaranty Agency
- Fiscal Year
- Calculation (% of Collection)

FP Power Users will be able to generate the report using the MicroStrategy web interface through the FSA intranet or the Internet. Also they will have the MicroStrategy desktop software on their desktops at work to execute this report.

Component Risks:

- Report depends on the data reported in Form 2000.

Assumptions:

- The report can be generated after the data is available in FPDM from originating data source(s).

Specifications

Report Name:	Rehabilitation Collections
Application:	FP Data Mart
Risk Factor:	Above the National Average for Rehabilitated Collections
Value:	1
Benchmark:	Greater than National Average* * The National Average will be computed by developing a metric in Data Mart that would determine the national average for the same time frame. This metric would take the data results

	and add them together and divide by the number of GAs.
Score:	If (> Nat'l Avg) / 1 point / 1 xValue - TRIGGER If (< Nat'l Avg) and (> Nat'l Avg + 5%) / 2 points / 2 xValue If (< Nat'l Avg + 5%) and (> Nat'l Avg + 10%) / 4 points / 4 xValue If (< Nat'l Avg + 10%) / 5 points / 5 xValue
Data Source:	Form 2000
Data Requirements:	MR10a, MR11a, MR12a, and MR13a from Form 2000
Attributes:	Guaranty Agency and Fiscal Year
Prompts:	Guaranty Agency and Fiscal Year
Metrics:	% of Collection - The calculation is $(MR10 \times 12mo^*) / ((MR10 + (MR11a + MR12a + MR13a)) \times 12mo^*)$ MR10 = $(MR10a \times 1.226994)$ *12mo = repeat the calculation for each month and sum the total and then perform division.
Filters:	Restricted GA access based on report and data level security.
Output:	Online/HTML/Excel/Text

Design

Report Layout

SI#19 Rehabilitation Collections

Fiscal Year	Guaranty Agency	Metrics	% of Collection
1998	GA 1		0.00%
	GA 2		0.00%
	GA 3		3.69%
	GA 4		0.00%
	GA 5		4.53%
1999	GA 1		0.00%
	GA 2		0.00%
	GA 3		3.69%
	GA 4		0.00%
	GA 5		4.53%
2000	GA 1		0.00%
	GA 2		0.00%

2001	GA 3	3.69%
	GA 4	0.00%
	GA 5	4.53%
	GA 1	0.00%
	GA 2	0.00%
	GA 3	3.69%
	GA 4	0.00%
	GA 5	4.53%

The Rehabilitation Collections report will have a description paragraph next to each report icon in the GA Scorecard folder. The paragraph will describe the business objective of each report.

Field Information:

Name	Display Characteristics	Data Source	Table Name / Column Name	Comments (Functional Notes / Calculations / Validations)
Guaranty Agency	Prompt/Attribute	FPDM	D_GA / GA_ID, GA_STATE, GA_NAME	
Fiscal Year	Prompt/Attribute	FPDM	D_FY / FY_ID, FY_DESC	
% of Collection	Metric	Form 2000	F_FM2000_MNTH/Requested Principal Amount where GA_F2000_MNTH_LN_ITEM_ID = (MR10_A_P, MR11_A_P, MR12_A_P, MR13_A_P)	(MR10 x 12mo*) / ((MR10 + (MR11a + MR12a + MR13a)) x 12mo*) MR10 = (MR10a * 1.226994) *12mo = repeat the calculation for each month and sum the total and then perform division.

Design Constraints:

None

Performance Considerations:

None

Implementation Considerations:

None

Testing Requirements

Test Condition	Expected Results
Generate Report using one Guaranty Agency and	Report is generated for selected Guaranty Agency

Fiscal Year as prompt	and Fiscal Year. All fields are populated with correct information.
Generate Report using multiple Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using all Guaranty Agencies and Fiscal Year as prompt	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report using different user types.	Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate Report where no data is found.	Report will be displayed empty. Error message will be displayed.

Issues and Additional Considerations

The following Issues were defined during Functional Design:

Issue	Raised By / Date Needed	Resolution/Answer	Resolved By / Date Completed
None			

22.0 Guaranty Agency Global Summary Report

General Requirements

Business Objective:

The GA Global Summary Report will provide executive information and decision support capabilities for GA functions. It will summarize the risk model scoring for GAs by each of the Scorecard Indicators. The GA Global Summary Report will be based on a set of underlying reports, each focusing on a specific Key Performance Indicator (KPI). The GA Global Summary Report will group the score for each KPI and determine a total score %. The GA Global Summary Report will be used by the FP Data Mart Power Users.

Component Description:

This document provides the functionality and the requirements related to the GA Global Summary Report. The FP Data Mart Power Users will have the ability to generate this report for specific GAs and fiscal year.

The following fields will be displayed in the report:

- Guaranty Agency
- Fiscal Year
- GA City
- GA State
- Possible Points
- Total Score
- SI#1 to SI#19 Score

The GA Global Summary Report shall also include a Scorecard Indicator Legend with the following attributes: SI#, SI Name, and SI Description.

FP Power Users will be able to generate the GA Global Summary Report using the MicroStrategy web interface through the FSA intranet or the Internet. Also they will have the MicroStrategy desktop software on their desktops at work to execute the report.

Component Risks:

- GA Global Summary Report depends on the data sources that provide the data for the underlying reports: FMS, Form 2000, PEPS, and NSLDS.

Assumptions:

- The report can be generated after the data is available in FPDM from originating data source(s).
- The GA Global Summary Report is dependent on successful processing of the underlying reports.

Specifications

Report Name:	GA Global Summary Report
---------------------	--------------------------

Application:	FP Data Mart
Risk Factor:	N/A
Value:	N/A
Benchmark:	N/A
Score:	N/A
Data Source:	FMS, Form 2000, PEPS, and NSLDS
Data Requirements:	Scores from the underlying reports
Attributes:	Guaranty Agency, Fiscal Year, GA City, GA State, Possible Points, Total Score, and SI#1 to SI#19 Score. Scorecard Indicator Legend: SI#, SI Name, SI Description.
Prompts:	Guaranty Agency and Fiscal Year
Metrics:	All Scorecard Indicators from the underlying reports and the Total Score (%) - (Actual Score/Maximum Score)
Filters:	None
Output:	Online/HTML/Excel/Text

Design

Report Layout

Each of the Scorecard IDs will have a link to the specific underlying report.

GA Global Summary Report

Fiscal Year	GA	Total Score (%)	SI#1 (link) 25	SI#2 (link) 25	SI#3 (link) 20	SI#4 (link) 20	SI#5 (link) 20	SI#6 (link) 15	SI#7 (link) 15	SI#8 (link) 10	SI#9 (link) 10	SI#10 (link) 10	SI#11 (link) 10	SI#12 (link) 10	SI#13 (link) 15	SI#14 (link) 10	SI#15 (link) 5	SI#16 (link) 5	SI#17 (link) 5	SI#18 (link) 5	SI#19 (link) 5
1999	GA 1																				
	GA 2																				
	GA 3																				
	GA 4																				
2000	GA 1																				
	GA 2																				
	GA 3																				
	GA 4																				

Legend/Detail		
SI#	Name	Description
1	Change in Federal Funds	Total reduction in Federal Fund for the current year (current to previous)
2	Minimum Reserve Level	Measures financial viability of GA Federal Fund annually

3	Cash Liquidity	Ability to pay claims for 90 days
4	Projected Minimum Reserve Level	Measures projected financial viability of GA Federal Fund over time over 5 years
5	Change in Operating Funds	% Change over time to measure increase or decrease of fund (current year to previous year)
6	Cohort Default Rate	Cohort Default Rate for current year
7	Percent of Change in Default Portfolio	Measure increases/decreases in default dollars for current year
8	Rate of Reinsurance	Low Rates of Reinsurance
9	Account Maintenance Comparison	Measures the active loans being reported from NSLDS compared to active loans being reported on Form 2000

10	Change in Loan Status	Percentage of loans out of school more than six months but still carrying an in school or in grace category
11	Change in Error Rates	Error Rate in NSLDS
12	Market Share	Portfolio for designated guarantor location this year compared to previous year
13	Portfolio Characteristics	Large fluctuations in portfolio levels
14	Total Collections on Defaulted Loans Current Year	Total collections in comparisons with outstanding portfolio throughout the year (over a x year period)

15	History of Total Collections on Defaulted Loans	History of total collections in comparisons with outstanding portfolio over time
16	GA Subrogated Loan Candidate	Total dollars of loans that are qualified for subrogated status but have not been designated
17	FFEL Collections	% of collections received via FFEL Consolidation Loans
18	Direct Collections Activity	% of collections received via Direct Consolidation Loans
19	Rehabilitation Collections	% of collections received via Rehab Consolidation Loans

The GA Global Summary report will have a description paragraph next to each report icon in the GA Scorecard folder. The paragraph will describe the business objective of each report.

Field Information:

Name	Display Characteristics	Data Source	Table Name / Column Name	Comments (Functional Notes / Calculations / Validations)
Guaranty Agency	Prompt/Attribute	FPDM	D_GA / GA_ID, GA_STATE, GA_NAME	
Fiscal Year	Prompt/Attribute	FPDM	D_FY / FY_ID, FY_DESC	
GA City	Attribute	FPDM	D_GA_ADDRESS / GA_CITY_DESC	
GA State	Attribute	FPDM	D_GA / GA_STATE_NAME	
Possible Points	Metric	FPDM	LKP_GA_SCORECARD_ITEM / SCORECARD_ITEM_MAX_SCORE_NUM	
SI#1 Score	Metric	FPDM	F_GA_SCORECARD / GA_SCORECARD_ACTL_SCORE_NBR	Repeat process for all SIs (#1 - #19)
SI#	Attribute	FPDM	LKP_GA_SCORECARD_ITEM / GA_SCORECARD_ITEM_CD	
SI Name	Attribute	FPDM	LKP_GA_SCORECARD_ITEM / PERF_IND_DESC	
SI Description	Attribute	FPDM	LKP_GA_SCORECARD_ITEM / PERF_MEASURE_DESC	
% Total Score	Metric	FPDM	F_GA_SCORECARD / GA_SCORECARD_ACTL_SCORE_NBR LKP_GA_SCORECARD_ITEM / SCORECARD_ITEM_MAX_SCORE_NUM	Actual Score/Maximum Score

Design Constraints:

None

Performance Considerations:

None

Implementation Considerations:

None

Testing Requirements

Test Condition	Expected Results
Generate GA Global Summary Report using one Guaranty Agency and Fiscal Year as prompt	GA Global Summary Report is generated for selected Guaranty Agency and Fiscal Year. All fields are populated with correct information.
Generate GA Global Summary Report using multiple Guaranty Agencies and Fiscal Year as prompt	GA Global Summary Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate GA Global Summary Report using all Guaranty Agencies and Fiscal Year as prompt	GA Global Summary Report is generated for selected Guaranty Agencies and Fiscal Year. All fields are populated with correct information.
Generate GA Global Summary Report using	Report is generated for selected Guaranty Agencies

different user types.	and Fiscal Year. All fields are populated with correct information.
Generate GA Global Summary Report where no data is found.	GA Global Summary Report will be displayed empty. Error message will be displayed.

Issues and Additional Considerations

The following Issues were defined during Functional Design:

Issue	Raised By / Date Needed	Resolution/Answer	Resolved By / Date Completed
Scoring Levels undefined. The GA Subrogated Loan Candidate report scoring levels have not been defined due to the lack of background information regarding the possible values of the results from the calculations in this report. These scoring levels will be defined later on when the calculations for this report have been performed.	Ramon Corrada / 7/17/03		

23 Modifications to Existing Reports

General Requirements

Business Objective:

The new FMS extract identified for Financial Partners Data Mart Release III will provide the LaRS data feed to replace the FFEL feed for Form 799 and shall include all historical data since the Raytheon feed was last received in September of 2002. The LaRS data feed will introduce two new attributes to the Lender 799 reports:

Attribute		Function
Logical Name	Physical Name	
Lender Servicer Code	LENDER_SRVCR_CD	Identifies the Servicer who submitted the 799 form on behalf of an associated Guaranty Agency, if applicable.
Document Type	DOCUMENT_TYPE	Identifies the individual Form ID of the 799 Form, from which the data of a given 799 report is being displayed.

Lender Reports Effected:

Each Lender 799 Report will incorporate both the Lender Servicer Code and Document Type.

Reports	Functional Description	New Attribute
Lender 799 - Entire Report	Displays all the sections of the 799 reports into one document.	Lender Servicer Code
		Document Type
Lender Search Report Summary	Summarizes the interest payments made to lenders in relation to the amount reported on the Form 799 for the reporting period	Lender Servicer Code
		Document Type
Part II - Loan Origination and Lender Loan Fees	Provides information from Section II of the Quarterly Form 799, submitted by the lenders.	Lender Servicer Code
		Document Type
Part III: Interest Benefits	Provides information from Section III of the Quarterly Form 799, submitted by the lenders.	Lender Servicer Code
		Document Type
Part IV: Special Allowance	Provides information from Section IV of the Quarterly Form 799, submitted by the lenders.	Lender Servicer Code
		Document Type
Part V: Changes in Guaranteed Loan Principal	Provides information from Section V of the Quarterly Form 799, submitted by the lenders.	Lender Servicer Code
		Document Type
Part VI: Guaranteed Loan Portfolio Analysis for End of Quarter	Provides information from Section VI of the Quarterly Form 799, submitted by the lenders..	Lender Servicer Code
		Document Type