



TO 149 – FORM 2000 RELEASE II

Production Migration Validation

The following document contains a high level description of each component that was built as part of TO 149, associated executable name(s) and path(s), and any exception processing that has been put in place to account for errors at runtime. In addition, this document includes steps for verifying that each new component is available for use and is functioning as designed. For more detailed functional and technical information, please refer to each component's Functional and Technical Design listed in each description.

Form 2000 Enhancement Designs can be found in the following directories:
F:\ TO 149 – Form 2000 Release II\Transition Documents

This document covers the customizations that were built as part of TO 149:

1. [Monthly/Quarterly Form Reconfiguration Conversion](#)
2. [Monthly/Quarterly Form Reconfiguration](#)
3. [FSA FMS Form 2000 SAIG File Load Interface](#)
4. [Form 2000 Monthly GL Interface and Item Number Modification](#)
5. [Form 2000 Summary Reconciliation](#)
6. [Form 2000 Report Modification](#)

Monthly/Quarterly Form Reconfiguration Conversion

Description

- Technical Design – FORM2000_MONQUART_RECONFIG_CNV_TD.doc
- The objective of the Monthly/Quarterly Form Reconfiguration Conversion is to facilitate the transfer of MR-24, MR-25, and MR-26 fields from the Monthly/Quarterly Report table to the Monthly Report table.
- The Conversion also includes modifications to the Monthly Report table, associated views, and related SQL scripts. A conversion package will run once to transfer all data MR-24, MR-25, and MR-26 from the Monthly/Quarterly Report table to the Monthly Report table.

PL/SQL Package Name

- Package Spec Name - FFELGA_MONQUART_CONV_PKG_S_v608.sql
- Package Body Name – FFELGA_MONQUART_CONV_PKG_B_v608.sql

Associated Executables

- Conversion Package Grant Script -
FFELGA_MONQUART_CONV_PKG_GRANT_v608.sql
- Conversion Package Synonym Script -
FFELGA_MONQUART_CONV_PKG_SYN_v608.sql
- Form 2000 Receivables Report Package Body -
FFELGA_FRM2K_RCVBLS_RPT_PKG_B_v608.sql
- Form 2000 Receivables Report Procedure-
FFELGA_FRM2K_RCVBLS_RPT_SP_5_v608.sql
- Accounting Segment Conversion Script –
FFELGA_ASEG_CONV_v608.sql
- Monthly Table Alter Script -
FFELGA_MONTHLY_REPORTS_ALT_SQL_v608.sql
- Monthly/Quarterly View Alter Script –
FFELGA_MONQUART_VIEW_ALT_SQL_v608.sql

Parameters

- See the table below for a listing of the OUT parameters.

Parameter Name	Datatype	Default Value	Required (Y/N)	Value Set	In/Out	Comments
p_errbuff	VARCHAR2	None	Y		OUT	
p_retcode	NUMBER	None	Y		OUT	

Runtime Processing

- The program will be executed manually to transfer all data MR-24, MR-25, and MR-26 from the Monthly/Quarterly Report table to the Monthly Report table.
- The program will be executed once, validated, and then disabled.

Exception Processing

- If an unexpected error occurs the PL/SQL program will ROLLBACK all records inserted into the GL_INTERFACE table; Once the system is back up the Conversion program will need to be run again.

Module	Potential Errors	Possible Reasons	Solution Strategy	Error Messages / Error Files	Error Communication
PL/SQL	During conversion, a record fails insert into the Monthly table, due to table errors.	The table synonym was not recreated properly.	Recreate the table synonym.	ORA-00942: table or view does not exist	Concurrent Request Log
PL/SQL	During conversion, a record fails insert into the Monthly table, due to table errors.	Table columns were not created properly. Wrong data types.	Verify the correct attributes of the columns and recreate the table and table synonym.	ERROR ga_code: XXX f_year: XXXX f_qrt_mon: XX. Record NOT converted due to the following error: ORA-00904: invalid identifier.	Concurrent Request Log

PL/SQL	During conversion, the main Monthly/Quarterly cursor fails to open.	The table synonym was not recreated properly.	Recreate the table synonym.	ORA-00942: table or view does not exist ORA-01403:NO_DATA_FOUND	Concurrent Request Log
PL/SQL	The number of records updated on the Monthly table does not equal the number of records in the Monthly/Quarterly table.	Invalid Monthly/Quarterly or Monthly data.	Verify table data to ensure a one to one relationship exists for the offending records.	Transaction NOT committed. Total M/Q records: X Total M/Q records processed: X. M/Q records subject to conversion: X Total M/Q records converted: X. M/Q records with REJECTED status: X Total M/Q records ignored due to REJECTED status: X. ERROR ga_code: XXXX f_year: XXXX f_qrt_mon: XXXX. Record NOT converted. Multiple Monthly records exist for this ga_code, f_year, f_qrt_mon combination.	Concurrent Request Log

Step #	Validation Step	Pass/Fail	Verification
1	Verify that the following FSA FMS Form 2000 Monthly Quarterly Conversion code was successfully migrated and compiled in PROD: FFELGA_ASEG_CONV_v608.sql FFELGA_MONTHLY_REPORTS_ALT_SQL_v608.sql FFELGA_MONQUART_CONV_PKG_S_v608.sql FFELGA_MONQUART_CONV_PKG_B_v608.sql FFELGA_MONQUART_CONV_PKG_GRANT_v608.sql FFELGA_MONQUART_CONV_PKG_SYN_v608.sql FFELGA_FRM2K_RCVBLS_RPT_PKG_B_v608.sql FFELGA_FRM2K_RCVBLS_RPT_SP_5_v608.sql FFELGA_MONQUART_VIEW_ALT_SQL_v608.sql	PASS	Verified that the code was successfully migrated and compiled in PROD. Marcus Daughtry - 4/2/04
2	Verify SFA FFEL GA Monthly Accepted Email, SFA FFEL GA Monthly Submission Email, SFA FFEL GA Monthly Rejection Email alert triggers are disabled.	PASS	Email alert triggers were disabled. Jobe Jamerson and Preeti Raj - 4/2/04
3	Verify the conversion program completed successfully and that the Log displays successful conversion validation.	PASS	Conversion Program completed successfully and log displayed successful conversion validation Jobe Jamerson and Preeti Raj - 4/2/04
4	Verify SFA Account Mapping changes in Oracle Applications	PASS	SFA Account Mapping changes were verified. Jobe Jamerson and Preeti Raj - 4/2/04
5	Verify SFA FFEL GA Monthly Accepted Email, SFA FFEL GA Monthly Submission Email, SFA FFEL GA Monthly Rejection Email alert triggers are enabled.	PASS	Email alert triggers were enabled. Jobe Jamerson and Preeti Raj - 4/2/04
6	Verify the conversion program can no longer be accessed from the Requests window by the System Administrator Responsibility.	PASS	Conversion program can no longer be accessed from the requests window. Jobe Jamerson and Preeti Raj - 4/2/04

Monthly/Quarterly Form Reconfiguration

Description

- Technical Design – FORM2000_MONQUART_RECONFIG_FORM_TD
- Modifications were made to the Monthly/Quarterly and Monthly Report forms to transfer of MR-24, MR-25, and MR-26 fields from the Monthly/Quarterly to the Monthly Report. Form fields and code was transferred from the Monthly/Quarterly to the Monthly form to facilitate this modification.

Form Executable Name and Path

- Form Names –Monthly/Quarterly: SFAMQRT.fmb
Monthly: SFAMON.fmb
- Form Directory Path – (environment path)/1103/au/11.0.28/forms/US/
- Form Executable – Monthly/Quarterly: SFAMQRT.fmx
Monthly: SFAMON.fmx
- Form Executable Path - \$FFELGA_TOP/forms/US/

Production Validation Steps

Step #	Validation Step	Pass/Fail	Verification
1	Verify that the Monthly, and Monthly/Quarterly Forms (SFAMON.fmb, SFAMQRT.fmb) were successfully migrated and compiled in PROD	PASS	Verified the forms were successfully migrated and compiled in PROD. Marcus Daughtry and Malcolm Brown (VDC) - 4/4/04
2	Verify that the GA Monthly Report, Monthly/Quarterly Report can be opened successfully within the Oracle Applications	PASS	GA Monthly and Monthly/Quarterly Report can be opened in Oracle Applications. Joakim Roumain, Jobe Jamerson, Nick Villamizar – 4/5/04
3	Verify correct fields and headings in Monthly Report	PASS	Monthly Report contains correct fields and headings. Joakim Roumain, Jobe Jamerson, Nick Villamizar – 4/5/04
4	Verify removal of fields from Monthly/Quarterly Report	PASS	Fields were removed from the Monthly/Quarterly Report. Joakim Roumain, Jobe Jamerson, Nick Villamizar – 4/5/04
5	Query historical reports in Monthly and Monthly/Quarterly Forms. Fields ('MR24_P', 'MR24_I', 'MR24_O', 'MR25_P', 'MR25_I', 'MR25_O', 'MR26_I', 'MR26_O') may be null. Select * from ffelga.ffelga_monthly reports Where ga_code = 723 and f_year = 2001 and f_month in (1,2,3)	PASS	Historical Monthly and Monthly/Quarterly reports were queried, some fields were null. Joakim Roumain, Jobe Jamerson, Nick Villamizar – 4/5/04
6	Verify that version number and modification date of each form is updated in Oracle Applications. This can be checked by going to the reports and following these steps, from the menu bar. Help -> About Oracle Applications Monthly Form Information: Version Number: 11.0.1.16 Form Last Modified: 04-APR-2004 Monthly/Quarterly Form Information: Version Number: 11.0.1.18 Form Last Modified: 04-APR-2004	PASS	Version Number and modification date of Monthly and Monthly/Quarterly forms were updated correctly. Joakim Roumain, Jobe Jamerson, Nick Villamizar – 4/5/04
7	Verify GA Monthly Report fields ('MR24_P', 'MR24_I', 'MR24_O', 'MR25_P', 'MR25_I', 'MR25_O', 'MR26_I', 'MR26_O') are not null.	PASS	Monthly Report fields MR24-MR26 were not null. Joakim Roumain, Jobe Jamerson, Nick Villamizar – 4/5/04

FSA FMS Form 2000 SAIG File Load Interface

Description

- Technical Design – FORM2000_SAIG_EMAIL_NOTIF_INT_TD.doc
- The custom interface allows for GA's to submit Monthly, Monthly/Quarterly, and Annual Reports files for automatic processing and submission into the Monthly, Monthly/Quarterly and Annual Reports tables.

PL/SQL Package Name

- Package Spec Name - FFELGA_SAIG_FILE_LOAD_PKG_S_v608.sql
- Package Body Name – FFELGA_SAIG_FILE_LOAD_PKG_B_v608.sql

Associated Executables

- Table creation and grant script for custom table -
FFELGA_SAIG_MONTHLY_TEMP1_TAB_v608.sql
- Table creation and grant script for custom table -
FFELGA_SAIG_MONQUART_TEMP1_TAB_v608.sql
- Table creation and grant script for custom table -
FFELGA_SAIG_ANNUAL_TEMP1_TAB_v608.sql
- Table creation and grant script for custom table -
FFELGA_SAIG_ANNUAL_ITEMS_TEMP1_TAB_v608.sql
- Table creation and grant script for custom table -
FFELGA_SAIG_MONTHLY_TEMP2_TAB_v608.sql
- Table creation and grant script for custom table -
FFELGA_SAIG_MONQUART_TEMP2_TAB_v608.sql
- Table creation and grant script for custom table -
FFELGA_SAIG_ANNUAL_TEMP2_TAB_v608.sql
- Table creation and grant script for custom table -
FFELGA_SAIG_ANNUAL_ITEMS_TEMP2_TAB_v608.sql
- Synonym script for all custom tables – FFELGA_SAIG_TABLES_SYN_v608.sql
- Synonym script for program package –
FFELGA_SAIG_FILE_LOAD_PKG_SYN_v608.sql
- Table registration script - FFELGA_SAIG_MONTHLY_TEMP2_REG_v608.sql
- Table registration script -
FFELGA_SAIG_MONQUART_TEMP2_REG_v608.sql
- UNIX shell script used to load files into custom tables –
FFELGA_SAIG_FILE_LOAD_SH
- Control file for SQL Loader – FFELGA_SAIG_MONTHLY_TEMP1.ctf
- Control file for SQL Loader – FFELGA_SAIG_MONQUART_TEMP1.ctf
- Control file for SQL Loader – FFELGA_SAIG_ANNUAL_TEMP1.ctf
- Control file for SQL Loader – FFELGA_SAIG_ANNUAL_ITEMS_TEMP1.ctf

Custom Tables

- FFELGA_SAIG_MONTHLY_TEMP1
- FFELGA_SAIG_MONQUART_TEMP1
- FFELGA_SAIG_ANNUAL_TEMP1
- FFELGA_SAIG_ANNUAL_ITEMS_TEMP1
- FFELGA_SAIG_MONTHLY_TEMP2
- FFELGA_SAIG_MONQUART_TEMP2
- FFELGA_SAIG_ANNUAL_TEMP2
- FFELGA_SAIG_ANNUAL_ITEMS_TEMP2

Program Parameters

None

Runtime Processing

- The FSA FMS Form 2000 SAIG File Load Request Set will be scheduled to run on a daily basis.
- The interface exists as a registered request set: FSA FMS Form 2000 SAIG File Load Request Set.
 - Stage 1 – FSA FMS Form 2000 SAIG UNIX File Load. This script retrieves transferred files and loads them into the custom TEMP1 staging tables.
 - Stage 2 – FSA FMS Form 2000 SAIG File Load Interface. This script validates and parses file data in the TEMP1 tables and moves the data into the TEMP2 tables. In the TEMP2 tables, Monthly and Monthly/Quarterly edit checks are performed. If all validating passes successfully, the records are transferred into the Monthly, Monthly/Quarterly, Annual, and Annual Items base tables with a status of ‘Submitted’.
- If validation errors occur during the interface, the Operations team will need to clear the records from the staging tables prior to the next execution of the interface.
- Oracle Alerts have been created to automatically send email notification when an Monthly, Monthly/Quarterly, and Annual report has been created, or if a Monthly or Monthly/Quarterly report has failed an edit.

Data File Directory Paths

- Monthly Files: \$FFELGA_IN/monthly
- Quarterly Files: \$FFELGA_IN/monquart
- Annual Files: \$FFELGA_IN/annual
- Annual Items Files: \$FFELGA_IN/annualitems

Data File Format

- Monthly File

Header				
Start	End	Length	Description	Valid Values
1	3	3	GA Code	Must be a valid GA Code in SFA FMS
4	33	30	Contact Username	SFA FMS Username of GA Contact. Must be a valid username with submission authority for that GA.
34	43	10	Contact Phone	GA User's Phone Number
44	68	25	Contact Email Address	GA User's Email Address
69	71	3	Record Total	Total Number of Detail Records in the file.
72	72	1	Submission Code	N = New Submission R = Resubmission of Rejected Financial Report
73	78	6	Month/Year	Month and Year of the Financial Report in MMYYYY format
79	79	1	Report Type	M = Monthly Information for items MR-1 to MR-26
80	87	8	Submission Date	Date when this file was created. In DDMMYYYY Format.
88	93	6	Submission Time	Time when this file was created. In HHMMSS Format.
94	4000	3907	GA Comments	Free Form text

File				
Start	End	Length	Description	Valid Values
1	3	3	GA Code	Same GA Code as header
4	13	10	Item Number	Identifies category on Form 2000 (e.g., MR-1-A, MR-14)
14	28	15	Principal Amount	Principal Amount
29	43	15	Interest Amount	Interest Amount
44	58	15	Other Amount	Other Amount

Trailer				
Start	End	Length	Description	Valid Values
1	3	3	GA Code	Same GA Code as header
4	6	3	Record Total	Total Number of Detail Records in the file
7	26	20	Total Principal Amount	Total Principal Amount
27	46	20	Total Interest Amount	Total Interest Amount
47	66	20	Total Other Amount	Total Other Amount
67	86	20	Total Overall Amount	Total Overall Amount (i.e., Total Principal + Total Interest + Total Other)

- Monthly/Quarterly File

Header				
Start	End	Length	Description	Valid Values
1	3	3	GA Code	Must be a valid GA Code in SFA FMS
4	33	30	Contact Username	SFA FMS Username of GA Contact. Must be a valid username with submission authority for that GA.
34	43	10	Contact Phone	GA User's Phone Number
44	68	25	Contact Email Address	GA User's Email Address
69	71	3	Record Total	Total Number of Detail Records in the file.
72	72	1	Submission Code	N = New Submission R = Resubmission of Rejected Financial Report
73	78	6	Month/Year	Month and Year of the Financial Report in MMYYYY format. For monthly reports, MM must represent the report month. For quarterly submissions, MM must be 03, 06, 09, or 12.
79	80	2	Report Type	QM = Monthly Information for items MR-27 to MR-42 QQ = Quarterly Information for items MR-27 to MR-42
81	88	8	Submission Date	Date when this file was created. In DDMMYYYY Format.
89	4000	3912	GA Comments	Free form text

File				
Start	End	Length	Description	Valid Values
1	3	3	GA Code	GA Code
4	13	10	Item Number	Identifies category on Form 2000 (e.g., MR-27)
14	28	15	Principal Amount	Principal Amount
29	43	15	Interest Amount	Interest Amount
44	58	15	Other Amount	Other Amount

Trailer				
Start	End	Length	Description	Valid Values
1	3	3	GA Code	GA Code
4	6	3	Record Total	Total Number of Detail Records in the file
7	26	20	Total Principal Amount	Total Principal Amount
27	46	20	Total Interest Amount	Total Interest Amount
47	66	20	Total Other Amount	Total Other Amount
67	86	20	Total Overall Amount	Total Overall Amount (i.e. Total Principal + Total Interest + Total Other)

- Annual File

Header				
Start	End	Length	Description	Valid Values
1	3	3	GA Code	Must be a valid GA Code in SFA FMS
4	33	30	Contact Username	SFA FMS Username of GA Contact. Must be a valid username with submission authority for that GA.
34	43	10	Contact Phone	GA User's Phone Number
44	68	25	Contact Email Address	GA User's Email Address
69	71	3	Record Total	Total Number of Detail Records in the file.
72	72	1	Submission Code	N = New Submission R = Resubmission of Rejected Financial Report
73	76	4	Year	Year of the Financial Report in YYYY format
77	77	1	Report Type	A = Annual Information for items AR-1to AR-57
78	85	8	Submission Date	Date when this file was created. In DDMMYYYY Format.
86	91	6	Submission Time	Time when this file was created. In HHMMSS Format.
92	4000	3908	GA Comments	Free form text

File				
Start	End	Length	Description	Valid Values
1	3	3	GA Code	Same GA Code as header
4	13	10	Item Number	Identifies category on Form 2000 (e.g., AR-18)
14	28	15	CY Actual Amount	CY Actual Amount
29	43	15	CY + 1 Projection Amount	CY + 1 Projection Amount
44	58	15	CY + 2 Projection Amount	CY + 2 Projection Amount
59	73	15	CY + 3 Projection Amount	CY + 3 Projection Amount
74	88	15	CY + 4 Projection Amount	CY + 4 Projection Amount
89	103	15	CY + 5 Projection Amount	CY + 5 Projection Amount

Trailer				
Start	End	Length	Description	Valid Values
1	3	3	GA Code	Same GA Code as header
4	6	3	Record Total	Total Number of Detail Records in the file
7	26	20	Total CY Actual Amount	Total CY Actual Amount
27	46	20	Total CY + 1 Projection Amount	Total CY + 1 Projection Amount
47	66	20	Total CY + 2 Projection Amount	Total CY + 2 Projection Amount
67	86	20	Total CY + 3 Projection Amount	Total CY + 3 Projection Amount
87	106	20	Total CY + 4 Projection Amount	Total CY + 4 Projection Amount
107	126	20	Total CY + 5 Projection Amount	Total CY + 5 Projection Amount

- Annual Detail File

Header				
Start	End	Length	Description	Valid Values
1	3	3	GA Code	GA Code
4	33	30	Contact Username	SFA FMS Username of GA Contact. Must be a valid username with submission authority for that GA.
34	43	10	Contact Phone	GA User's Phone Number
44	68	25	Contact Email Address	GA User's Email Address
69	71	3	Record Total	Total Number of Detail Records in the file.
72	72	1	Submission Code	N = New Submission R = Resubmission of Rejected Financial Report
73	76	4	Year	Year of the Financial Report
77	77	1	Report Type	I = Annual Information Itemized Line Items
78	85	8	Submission Date	Date when this file was created. In DDMMYYYY Format.
86	91	6	Submission Time	Time when this file was created. In HHMMSS Format.

File				
Start	End	Length	Description	Valid Values
1	3	3	GA Code	Same GA Code as header
4	13	10	Item Number	Identifies category on Form 2000. Valid values are AR-20, AR-25, AR-36, or AR-39.
14	33	20	Subcategory Name	Subcategory Name (free-form)
34	34	1	FFEL Indicator	For AR-36 and AR-39, must itemize other revenue and expenditures by FFEL and Non FFEL. For other items, this is not applicable. F = FFEL N = Non FFEL X = Not Applicable
35	49	15	CY Actual Amount	CY Actual Amount
50	64	15	CY + 1 Projection Amount	CY + 1 Projection Amount
65	79	15	CY + 2 Projection Amount	CY + 2 Projection Amount
80	94	15	CY + 3 Projection Amount	CY + 3 Projection Amount
95	109	15	CY + 4 Projection Amount	CY + 4 Projection Amount
110	124	15	CY + 5 Projection Amount	CY + 5 Projection Amount
125	224	100	Explanation	Explanation regarding the itemized line item (free-form)

Trailer				
Start	End	Length	Description	Valid Values
1	3	3	GA Code	GA Code
4	6	3	Record Total	Total Number of Detail Records in the file.
7	26	20	Total CY Actual Amount	Total CY Actual Amount
27	46	20	Total CY + 1 Projection Amount	Total CY + 1 Projection Amount
47	66	20	Total CY + 2 Projection Amount	Total CY + 2 Projection Amount
67	86	20	Total CY + 3 Projection Amount	Total CY + 3 Projection Amount
87	106	20	Total CY + 4 Projection Amount	Total CY + 4 Projection Amount
107	126	20	Total CY + 5 Projection Amount	Total CY + 5 Projection Amount

Oracle Alerts

- FSA FMS Monthly Report File Transfer Email
- FSA FMS Monthly/Qtrly Report File Transfer Email
- FSA FMS Annual Report File Transfer Email

Record Validation

- TEMP1 tables (Validation errors result in record_flag of ‘N’ – Records will need to be deleted before next interface execution)
 - Header/Trailer count verification
 - Report type verification
 - Submission code verification
 - Details totals/Trailer totals comparison
 - Negative numbers
 - New submission check
 - Resubmittal check
 - Annual reports values compared to Annual Items values
- TEMP2 tables(Validation error results in record_flag of ‘E’. Interface completes with Warning. Records will need to be deleted before next interface execution.)
 - Invalid username provided in input files.
- TEMP2 tables(Validation error results in record_flag of ‘N’. Interface completes successfully. Records will need to be deleted before next interface execution.)
 - Monthly Edits Validation
 - Quarterly Edits Validation
 - Resubmission record for already Accepted reports

Exception Processing

- If any error occurs within the interface program, excluding an invalid user id, the request will complete with ‘Success’.
- If an invalid user id is provided in the data files, the interface request will complete with ‘Warning’.
- If an error occurs during any stage of the FSA FMS Form 2000 SAIG File Load Request Set processing:
 - 1) Review concurrent manager log file to determine the cause of the processing error.
 - 2) Contact the GA associated with the failure to have them resubmit a corrected file.

Module	Potential Errors	Possible Reasons	Solution Strategy	Error Messages / Error Files	Error Communication
UNIX	A file is provided without a valid file extension.	External program incorrectly generated the file.	-Automatic email will be send to FMS Operations Team, notifying them of the UNIX failure. - FMS Operations contacts GA to alert them of the failure.	Error – “GAFR file \$FILENAME errored in SQL Load. Encountered FATAL Error. Please review log and bad files generated for more information. Error files can be found in the \$FFELGA_IN/error directory.”	Program completes successfully. An email is sent to the FMS Operations Team and an Oracle error message is written to log.

PL/SQL	Invalid username is provided in the file.	A GA user has created a file, without having a valid email address registered in Oracle Applications.	-The interface will complete with warning. - FMS Operations will contact the GA regarding the error.	'. Error! Invalid User ID in <i>tablename</i> table'	Program completes with warning. An error message is written to the interface log.
PLSQL	Monthly Edit Validation fails	Values provided in the files do not meet edit criteria.	-Oracle Alert will be sent to User assigned to the invalid GA file. -File will need to be corrected by GA and resent.	'.The following Reasonability Edit has been violated:'	Oracle Alert will be sent listing all failed edits. Error message will be written in the concurrent manager log.
PLSQL	Quarterly Edit Validation fails	Values provided in the files do not meet edit criteria.	-Oracle Alert will be sent to User assigned to the invalid GA file. -File will need to be corrected by GA and resent.	'.The following Reasonability Edit has been violated:'	Oracle Alert will be sent listing all failed edits. Error message will be written in the concurrent manager log.
PLSQL	Record is not inserted into the TEMP2 tables.	'New' submission provided when a corresponding record exists.	Record will need to be deleted from the TEMP1 tables. GA will need to be notified of error.	'Error! Cannot process a new submission where one already exists'	Error message will be written in the concurrent manager log.
PLSQL	Record is not inserted into the base tables.	A record does not have both a header and trailer record.	Record will need to be deleted from the TEMP1 tables. GA will need to be notified of error.	'Header and trailer Count validation failed for the <i>file type</i> file	Error message will be written in the concurrent manager log.
PLSQL	Record is not inserted into the base tables.	Report type character supplied in the file is invalid.	Record will need to be deleted from the TEMP1 tables. GA will need to be notified of error.	'. Invalid Report type...	Error message will be written in the concurrent manager log.
PLSQL	Record is not inserted into the base tables.	Submission code provided in the data file is invalid. Submission code must be either 'N' or 'R'	Record will need to be deleted from the TEMP1 tables. GA will need to be notified of error.	'. Invalid Submission Code...' ' Submission code should be either N (New) or R (Resubmit)...	Error message will be written in the concurrent manager log.
PLSQL	Record is not inserted into the base tables.	Sum of detail record totals do not equal the totals provided in the trailer record.	Record will need to be deleted from the TEMP1 tables. GA will need to be notified of error.	'. The totals between detail and trailer do not match for GA '	Error message will be written in the concurrent manager log.
PLSQL	Record is not inserted into the base tables.	Sum of annual item amounts does not equal the sum of the amounts in the annual file.	Record will need to be deleted from the TEMP1 tables. GA will need to be notified of error.	'The Sum of the itemized Amounts do not equate to the rolled up amounts in the annual file '	Error message will be written in the concurrent manager log.
PLSQL	Record is not inserted into the base tables.	Negative numbers were provided in data file.	Record will need to be deleted from the TEMP1 tables. GA will need to be notified of error.	'. Error! The data file contains negative amount values for items that cannot be negative.'	Error message will be written in the concurrent manager log.

PLSQL	Record is not inserted into the base tables.	A resubmission is provided for a record that does not exist in the base tables.	Record will need to be deleted from the TEMP1 tables. GA will need to be notified of error.	'. Error! Cannot process a resubmittal without having an existing record.'	Error message will be written in the concurrent manager log.
-------	--	---	--	--	--

Production Validation Steps

Step #	Validation Step	Pass/Fail	Verification
1	Verify that the following FSA FMS Form 2000 SAIG File Load Interface related code was successfully migrated and compiled in PROD: FFELGA_SAIG_MONTHLY_TEMP1_TAB_v608.sql FFELGA_SAIG_MONTHLY_TEMP2_TAB_v608.sql FFELGA_SAIG_MONQUART_TEMP1_TAB_v608.sql FFELGA_SAIG_MONQUART_TEMP2_TAB_v608.sql FFELGA_SAIG_ANNUAL_TEMP1_TAB_v608.sql FFELGA_SAIG_ANNUAL_TEMP2_TAB_v608.sql FFELGA_SAIG_ANNUAL_ITEMS_TEMP1_TAB_v608.sql FFELGA_SAIG_ANNUAL_ITEMS_TEMP2_TAB_v608.sql FFELGA_SAIG_TABLES_SYN_v608.sql FFELGA_SAIG_FILE_LOAD_PKG_S_v608.sql FFELGA_SAIG_FILE_LOAD_PKG_B_v608.sql FFELGA_SAIG_FILE_LOAD_PKG_SYN_v608.sql FFELGA_SAIG_MONTHLY_TEMP2_REG_v608.sql FFELGA_SAIG_MONQUART_TEMP2_REG_v608.sql FFELGA_SAIG_MONTHLY_TEMP1.ctf FFELGA_SAIG_MONQUART_TEMP1.ctf FFELGA_SAIG_ANNUAL_TEMP1.ctf FFELGA_SAIG_ANNUAL_ITEMS_TEMP1.ctf FFELGA_SAIG_FILE_LOAD_SH	PASS	Verified that the codes was successfully migrated and compiled in PROD. Marcus Daughtry and Malcolm Brown (VDC) - 4/4/04
2	Verify that the interface program, FSA FMS Form 2000 SAIG File Load Request Set, can be accessed through the FSA FMS Operations User responsibility.	PASS	Interface program could be accessed using the FSA FMS Operations User responsibility. Gopal Krishnan and Jobe Jamerson – 4/5/04
3	Verify File Directories are empty: /sfad06/APPLCSF/ffelga/incoming/monthly /sfad06/APPLCSF/ffelga/incoming/monquart /sfad06/APPLCSF/ffelga/incoming/annual /sfad06/APPLCSF/ffelga/incoming/annualitems Run the FSA FMS Form 2000 SAIG File Load Request Set through the FSA FMS Operations User responsibility.	PASS	File Directories were empty and the request set was run using the FSA FMS Operations User Responsibility. Mitesh Patel, Jobe Jamerson, Nick Villamizar – 4/5/04
4	Verify that all programs/old alerts have been disabled for the previous version of the data file load interfaces. (you can find a list of all disabled programs by referring to the SAIG Interface Installation Guide)	PASS	All programs/old alerts were disabled for the previous version of the data file load interface. Gopal Krishnan, Jobe Jamerson, Joakim Roumain , Nick Villamizar – 4/5/04
5	Verify the concurrent manager ran at the scheduled time and the request set, FSA FMS Form 2000 SAIG File Load Request, completed successfully for the previous night, under the FSA FMS Operations User Responsibility.	PASS	Concurrent Manager ran at the scheduled time and request set completed successfully. Constance Herron and Nick Villamizar - 4/6/04

Form 2000 Monthly GL Interface and Item Number Modification

Description

- Technical Design – FORM2000_MONTHLY_GL_INT_TRIGGER_MOD_TD v1.1.doc
- The Form 2000 AP/GL Load modification will exclude the GL Load for Form 2000 Monthly entries. The custom GL Interface for Monthly transactions will capture approved Form 2000 Monthly invoice data and load corresponding GL account information into the FMS General Ledger. The Form 2000 AP/GL Item Number procedure will insert Item Numbers for all Form 2000 Monthly report transaction lines with a destination of ‘AP’.

PL/SQL Package Name

- Package Spec Name – FFELGA_AP_GL_LOAD_PKG_S_v608.sql
- Package Body Name – FFELGA_AP_GL_LOAD_PKG_B_v608.sql
- Package Spec Name – FFELGA_MONTHLY_GL_PKG_S_v608.sql
- Package Body Name – FFELGA_MONTHLY_GL_PKG_B_v608.sql

Associated Executables

- Package Grant Script - FFELGA_MONTHLY_GL_PKG_GRANT_v608.sql
- Package Synonym Script - FFELGA_MONTHLY_GL_PKG_SYN_v608.sql

Program Parameters

- See the table below for a listing of the IN and OUT parameters.

Parameter Name	Datatype	Default Value	Required (Y/N)	Value Set	In/Out	Comments
p_errbuff	VARCHAR2		Y		OUT	
p_retcode	NUMBER		Y		OUT	

Runtime Processing

- All processes of this component will execute immediately following the last scheduled Oracle Payables Transfer to GL within the same business day.

Error Handling

Module	Potential Errors	Possible Reasons	Solution Strategy	Error Messages / Error Files	Error Communication
PL/SQL	The AP/GL Interface Trigger Modification procedure completes with Error.	Database failure. Interface program registered incorrectly.	Manually rerun program once database is back up. Consult registration guide and verify that steps were completed successfully	Connection Error	Concurrent Manager Request Log

PL/SQL	The GL Interface Trigger Modification procedure completes with Error.	Database failure. Interface program registered incorrectly.	Manually rerun program once database is back up. Consult registration guide and verify that steps were completed successfully	Connection Error	Concurrent Manager Request Log
PL/SQL	The GL Interface code is not retrieving any approved Monthly form invoices for GL processing.	The interface has not been properly installed. The appropriate changes were not made to the existing AP/GL Interface to mark an invoice as a monthly invoice. The existing AP/GL Load Interface was not properly re-installed once changes were made.	Verify the steps in the installation guide and reinstall the interface components. Re-compile the new AP/GL Load Interface code in the production environment.	ORA-01403: NO_DATA_FOUND	Concurrent Manager Request Log
PL/SQL	The GL Interface is not running on a nightly basis.	The interface was not properly scheduled.	Verify the correct scheduling time and re-schedule the interface.	Error written to Concurrent Manager	Concurrent Manager Request Log
PL/SQL	Form 2000 Monthly report items sent directly to FMS GL do not reconcile correctly with FMS AP related items in report.	Oracle Payables Transfer to GL program for Form 200 transactions completes with errors and is not correctly loaded until next business day, causing AP transactions to have a different GL date than the Monthly GL transactions.	FMS Operations Team identifies problem and assists with manual reconciliation between the AP and GL data.	Error written to Concurrent Manager	Concurrent Manager Request Log
PL/SQL	The Form 2000 AP/GL Load Interface creates both FMS AP and FMS GL entries for Form 2000 Monthly data.	The FMS Form 2000 AP/GL Load Interface has not been properly re-installed . The correct version of the FMS Form 2000 AP/GL Load Interface was not installed into production.	Verify the correct version of the interface code and re-install the program, using the steps in the installation guide.	Error written to Concurrent Manager	Concurrent Manager Request Log

Production Validation Steps

Step #	Validation Step	Pass/Fail	Verification
1	Verify that the following FSA FMS Form 2000 Monthly GL and Item Number Interface related code was successfully migrated and compiled in PROD: FFELGA_MONTHLY_GL_PKG_GRANT_v608.sql FFELGA_AP_GL_LOAD_PKG_S_v608.sql FFELGA_AP_GL_LOAD_PKG_B_v608.sql FFELGA_MONTHLY_GL_PKG_S_v608.sql FFELGA_MONTHLY_GL_PKG_B_v608.sql FFELGA_MONTHLY_GL_PKG_GRANT2_v608.sql FFELGA_MONTHLY_GL_PKG_SYN_v608.sql	PASS	Verified that the code was successfully migrated and compiled in PROD. Marcus Daughtry and Malcolm Brown (VDC) -4/4/04
2	Verify that the interface program, FSA FMS Form 2000 Monthly GL Interface can be accessed through the FSA FMS Operations User.	PASS	FMS Form 2000 Monthly GL Interface can be accessed using the FMS Operations User responsibility. Gopal Krishnan and Jobe Jamerson – 4/5/04
3	Verify that the interface program, FSA FMS Form 2000 Item Number Interface can be accessed through the FSA FMS Operations User.	PASS	FMS Form 2000 Item Number Interface can be accessed using the FMS Operations User responsibility. Gopal Krishnan and Jobe Jamerson – 4/5/04

4	Verify that the interface program, FSA FMS Form 2000 Monthly GL and Item Number Interface Request Set, can be accessed through the FSA FMS Operations User.	PASS	FMS Form 2000 Monthly GL and Item Number Interface Request Set can be accessed using the FMS Operations User responsibility. Gopal Krishnan and Jobe Jamerson – 4/5/04
5	Verify the concurrent manager ran at the scheduled time and the request set, FSA FMS Form 2000 Monthly GL and Item Number Interface completed successfully for the previous night, under the FSA FMS Operations User Responsibility.	PASS	The concurrent manager ran at the scheduled time and the FMS Form 2000 Monthly GL and Item Number interface completed successfully. Mitesh Patel, Jobe Jamerson, Nick Villamizar – 4/6/04
6	Query tables to see if batch was created. Select * from gl.gl_je_batches Where creation_date like sysdate;	PASS	Tables were queried and batch was created – FFEL705M062004 Form 2000 985794: A Mitesh Patel and Nick Villamizar – 4/7/04
7	Query to see number of journal lines updated and that REFERENCE_6 was updated. SELECT count(*) FROM gl.gl_je_lines gjl, gl.gl_je_headers gjh, gl.gl_je_batches gjb WHERE gjh.je_batch_id = gjb.je_batch_id AND gjl.je_header_id = gjh.je_header_id AND gjh.je_category = 'Purchase Invoices' AND gjb.name like 'Payables%' AND gjl.reference_6 like '%MR%' AND gjl.description LIKE '%MR%' AND TRUNC(gjb.creation_date) >= '06-APR-2004'	PASS	REFERENCE_6 was updated with item numbers for 100 journal lines which matched the log. Mitesh Patel and Nick Villamizar – 4/7/04

Form 2000 Summary Reconciliation

Description

- Technical Design – FSA_FMS_SUMMARY_RECONCILIATION_RPT_TD v1.1.doc
- A custom Oracle report has been created to assist FSA CFO Accounting Division with identifying discrepancies in Guarantee Agency (GA) activity as a result of validations using pre-defined calculations. The accounting division will have the ability to submit the FSA FMS Summary Reconciliation Report for one specified GA Code and one Fiscal Year at a time. This functionality will enhance the reconciliation efforts for FSA CFO Accounting in regards to specific Form 2000 data in FMS.

File Name and Path

- Report File Name - FSAFMSSUMMARYREC.rdf
- Report Directory Path - \$FFELGA_TOP/reports

Parameters:

Parameter Name	Datatype	Default Value	Required (Y/N)	Value Set	Comments
P_FY	VARCHAR	N/A	Y	SFA_FFEL_YEAR_CODE_VALU E_SET	Standard value set
P_GA_CODE	VARCHAR	N/A	Y	SFA_GA_CODE_VALUE_SET	Standard value set

Runtime Processing

- The report will be run manually, as needed, utilizing the parameters P_FY and P_GA_CODE

Error Handling:

Potential Errors	Possible Reasons	Solution Strategy	Error Messages / Error Files	Error Communication
Report cannot be run.	System failure; Database problems	Contact FMS Operations. Once the database is restored, the run report.	Report cannot be run.	System failure; Database problems
Report cannot be accessed in list of reports.	Report register error	Verify registration and responsibility authorized to run report.	Report cannot be accessed in list of reports.	Report register error
Report does not display data	GA Code has not submitted Annual Report for specified fiscal year; Annual Report has not been Accepted	Verify status of Annual Report.	Report does not display data	GA Code has not submitted Annual Report for specified fiscal year; Annual Report has not been Accepted

Production Validation Steps

Step #	Validation Step	Pass/Fail	Verification
1	Verify that the Form 2000 Summary Reconciliation Report was successfully migrated and compiled in PROD: FSAFMSSUMMARYREC.rdf	PASS	Verified that the report was successfully migrated and compiled in PROD Marcus Daughtry and Malcolm Brown (VDC) – 4/4/04
2	Verify that the "FSA FMS Form 2000 Summary Reconciliation Report" is available with the "FSA FP Inquiry". Run report to verify it completes successfully.	PASS	Report was available under "FSA FP Inquiry" responsibility and completed successfully. BJ Johnson, Jobe Jamerson, Nick Villamizar – 4/6/04
3	Verify that the "FSA FMS Form 2000 Summary Reconciliation Report" is available with the "FSA GL Inquiry". Run report to verify it completes successfully.	PASS	Report was available under "FSA GL Inquiry" responsibility and completed successfully. BJ Johnson, Jobe Jamerson, Joakim Roumain, Nick Villamizar – 4/6/04

Form 2000 Report Modification

Description

- Technical Design – FSA_RPT_MODIFICATIONS_TD v1.0.doc
- This reconfiguration will include the transfer of fields MR-24, MR-25, and MR-26 from the Monthly Quarterly Report form to the Monthly Report form. The purpose of this reconfiguration is to consolidate all accounting events to the Monthly form. The removal of Collection Terminations (MR-24), Compromises (MR-25), and Agency Accruals (MR-26) from the Monthly/Quarterly form will assist auditors by only containing non-accounting events. As a result of this

reconfiguration, a group of FSA reports must be modified to pull MR-24, MR-25, and MR-26 data from monthly database table, FFELGA_MONTHLY_REPORTS, rather than the monthly quarterly database table, FFELGA_MONQUART_REPORTS.

File Name and Path

- Report File Name - SFAMON_GA.rdf
- Report File Name – SFAMON_ED.rdf
- Report File Name - SFACMON_ED.rdf
- Report File Name – FSAFEDRCVBALFYTD.rdf
- Report File Name – FSAFEDRCVBALMON.rdf
- Report File Name - FSAFEDRCVBALQTR.rdf
- Report Directory Path - \$FFELGA_TOP/reports

Parameters:

None

Runtime Processing:

- The report will be kicked off manually, as needed.

Error Handling:

Potential Errors	Possible Reasons	Solution Strategy	Error Messages / Error Files	Error Communication
Database goes down while running reports.	System failure	Contact FMS Operations. Once the database is restored, the run report.	Database goes down while running reports.	System failure
Report does not appear in list of Requests to run.	Report not registered properly	Register Reports correctly.	Report does not appear in list of Requests to run.	Report not registered properly

Production Validation Steps

Step #	Validation Step	Pass/Fail	Verification
1	Verify that the Form 2000 Reports Modification were successfully migrated and compiled in PROD: SFACMON_ED.rdf SFAMQRT_ED.rdf SFAMON_ED.rdf SFAMON_GA.rdf FSAFEDRCVBALFYTD.rdf FSAFEDRCVBALMON.rdf FSAFEDRCVBALQTR.rdf	PASS	Verified that the Reports Modification were successfully migrated and compiled in PROD. Marcus Daughtry and Malcolm Brown (VDC) - 4/4/04
2	Verify that the "SFA FFEL GA Monthly Composite Detail Report" is available with the "FSA FP Accounting SuperUser". Run report to verify it completes successfully.	PASS	The FFEL GA Monthly Composite Detail Report is available under FP Accounting SuperUser Responsibility and completed successfully. Cynthia Heath, Jobe Jamerson, Nick Villamizar – 4/5/04
3	Verify that the "SFA FFEL GA Quarterly Detail Report" is available with the "FSA FP Accounting SuperUser". Run report to verify it completes successfully.	PASS	The FFEL GA Quarterly Detail Report is available under FP Accounting SuperUser Responsibility and completed successfully. Cynthia Heath, Jobe Jamerson, Nick Villamizar – 4/5/04

4	Verify that the "SFA FFEL GA Monthly Detail Report" is available with the "FSA FP Accounting SuperUser". Run report to verify it completes successfully.	PASS	The FFEL GA Monthly Detail Report is available under FP Accounting SuperUser Responsibility and completed successfully. Cynthia Heath, Jobe Jamerson, Nick Villamizar – 4/5/04
5	Verify that the "SFA FFEL GA Monthly Report" is available with the "FSA GA User". Run report to verify it completes successfully.	PASS	The FFEL GA Monthly Report is available under FP GA User Responsibility and completed successfully. Joakim Roumain, Jobe Jamerson, Nick Villamizar – 4/5/04
6	Verify that the "FSA FMS FYTD Calculated Federal Receivable Balance Report" is available with the "FSA GL Inquiry". Run report to verify it completes successfully.	PASS	The FSA FMS FYTD Calculated Federal Receivable Balance Report is available under FSA GL Inquiry Responsibility and completed successfully. Joakim Roumain, Jobe Jamerson, Nick Villamizar – 4/5/04
7	Verify that the "FSA FMS Monthly Calculated Federal Receivable Balance Report" is available with the "FSA GL Inquiry". Run report to verify it completes successfully.	PASS	The FSA FMS Monthly Calculated Federal Receivable Balance Report is available under FSA GL Inquiry Responsibility and completed successfully. Joakim Roumain, Jobe Jamerson, Nick Villamizar – 4/5/04
8	Verify that the "FSA FMS Quarterly Calculated Federal Receivable Balance Report" is available with the "FSA GL Inquiry". Run report to verify it completes successfully.	PASS	The FSA FMS Quarterly Calculated Federal Receivable Balance Report is available under FSA GL Inquiry Responsibility and completed successfully. Joakim Roumain, Jobe Jamerson, Nick Villamizar – 4/5/04