

Introduction

This document helps you to understand the interface testing process and documentation requirements. It is divided into three parts:

- Interface Testing Sequence of Events
- Action Items
- Summary Information

Before testing can begin, we need information. The Sequence of Events table infers the timeline. The Action Item Chart shows what action you need to take. The Summary of Information gives detailed information that relates to the action items.

Interface Testing Sequence of Events

Interface testing generally follows the following process:

	Who	What
Prior to Testing		
1	Agency	Submit request for new or modified interface.
2		SFMS Send information to agency.
3	Agency	Submit design document.
4	Agency	Submit file layout.
5		SFMS Approve file layout.
6	Agency	Submit testing schedule
Acceptance Testing		
1	Agency	Request security setup (RACF).
2	Agency	Request mainframe access.
3	Agency	Request data set to be created.
4		SFMS Establish security.
5		SFMS Request data set to be created.
6	Agency	Verify or enter profiles and financial elements.
7	Agency	Send interface files to the dataset.
8		SFMS Verify data in data set.
9		SFMS Process interface file during batch cycle.
10	Agency	Review transaction posting and make corrections if needed.
11	Agency	Reconcile subsystem reports to SFMS reports.
12		SFMS Verify reconciliation.
Production Migration (after acceptance testing has been completed.)		
1	Agency	Request security setup (RACF).
2	Agency	Request data set to be created.
3	Agency	Send final version of file layout if it has been changed.
4		SFMS Establish security (RACF)
5		SFMS Establish data set
6		SFMS Notify agency when Production interfacing can begin.

You may not need to do every one of these steps. For instance, if you are modifying an interface, do not request a data set to be created. When in doubt, call your SFMS analyst for verification.

Action Items

This table shows the various tasks required before, during, and after the interface acceptance test. With the exception of the security requests, you may copy this document and add your responses. The Summary of Information gives detailed information relating to these topics.

Information Needed	Who	Action	Description / Notes
Prior to Testing			
Request for New/Modified Interface	Agency	Send to SFMS	Send this request on an official SFMS interface request form available from your agency analyst.
Technical Contact: Name(s) Phone #	Agency	Send to SFMS	This person can answer technical questions relating to your subsystem and file layout.
Fiscal Contact: Name(s) Phone #	Agency	Send to SFMS	This person is knowledgeable of the profiles and screens in the R*STARS system. This person is responsible for making sure profiles and financial information is correctly established in R*STARS, as well as cleaning up the 530 screen.
T-Code(s)	Agency	Verify	Verify the T-Codes used.
Batch Number(s) Used	Agency	Send to SFMS	Coordinate the numbering of your interface batches with your agency staff to avoid possible conflicts with on-line processing.
Design Document	Agency	Send to SFMS	When creating new interfaces, submit a design document. This shows what the purpose is, why an interface is needed, how often files will be interfaced, and lists other relevant facts.
File Layout	Agency	Send to SFMS	This record layout shows the column numbers, column description, data description, and source of the items in the interface file. See sample file layout. (separate document)
Testing Schedule	Agency	Send to SFMS	This schedule shows dates files will be sent to the data set. Also, it includes expected migration date.
Acceptance Testing			
Acceptance Region Interface RACF Name RACF I.D.#	Agency Security Officer	Send Request to SFMS to create	This RACF is used in the interface file and allows the batch to post in R*STARS. The format must be INT###AA. (Where 'xxx' is agency number and 'AA' is identifier. 'AA' is optional.)
Fiscal Staff RACF Name RACF User Classes	Agency	Send Request to SFMS to create	These RACFs are used for the profile entry, financial transaction entry (cash, appropriations, etc.), and fixing or releasing batches on the 530 screen.
Mainframe Access Name RACF I.D.# *Terminal I.D.#	Agency Security Officer	Send request to SFMS to create	Mainframe access to SFMSACPT (E-25) can be made available upon request. *Note: If the Terminal I.D. is in a "pool", all Terminal I.D.s in that pool need to be listed.
Acceptance Data Set Name	Agency	Verify	Used in Acceptance Testing
Reconciliation	Agency	Send to SFMS	On a separate document, reconcile your subsystem's reports to the R*STARS reports. Show Batch Number, # Records, Amount. See sample reconciliation. (separate document)
Production Migration			
Production Region Interface RACF Name RACF I.D.#	Agency Security Officer	Send Request to SFMS to create	This RACF is used in the interface file and allows the batch to post in R*STARS. The format must be INT###AA. (Where 'xxx' is agency number and 'AA' is identifier. 'AA' is optional.)
Production Data Set Name	Agency Security Officer	Send request to SFMS to create	Used in Production
Final File Layout	Agency	Send to SFMS	Send a final version of the file layout if it has changed in any way.

Summary Information

This section explains the previous information in further detail. In addition, it includes useful information that relates to your interface testing process. It is arranged alphabetically by topic.

Acceptance Tests

We need to have three consecutive successful interface tests before we can approve the test.

Batch Cycles

The Acceptance Region runs three weekly batch cycles: Monday, Wednesday, and Thursday.

File Layout

The file layout is a document you create for batch header and batch detail records that list these items:

- Column numbers
- Column description
- Data description (what format)
- Source (subsystem, hard coded, or looked up by R*STARS)

Submit this document before testing and at the end of the testing process, if it has changed. See sample file layout. This is a separate document. Contact your SFMS analyst if you do not have this document.

Financial Data

We did not copy any financial data from the Production Region when the profiles were copied. Therefore, you may need to establish appropriations, allotment, cash, or any other financial information necessary to process your transactions. Use T-code 640 if you need to load cash, T-code 012 to load appropriations, and T-code 002 to load allotments. Use user class 03.

Large Interface Files

If your interface file will contain 500 or more transactions, you may limit your test to a smaller sample.

Mainframe Access

If you need access to the Acceptance Region on the mainframe (SFMSACPT E25), send a request to SFMS. The request needs to come from the security officer assigned by your agency. Please include:

- Name
- Terminal I.D.#
- VTAM I.D.#
- If the Terminal I.D.# is a member of a pool, all Terminal I.D.s in the pool are required.

Please send your request at least one week prior to the date you need mainframe access.

Migration to Production

SFMS will approve migration after:

- three consecutive successful interface tests that contain 30 or more records each are processed.
- SFMS receives a request submitted by Security Officer to establish security (RACF) and data set in Production Region.
- SFMS receives an updated file layout if any changes were made since previous version.
- agency technical and fiscal staff and SFMS staff agrees that interface testing is successful.

The migration date will be most likely be about one week following receipt of the items listed.

Summary Information - Continued

Profile Setup

All production region profiles were copied in March 1999. If you made major changes to your structure in AY 2001, you may need to update the Acceptance Region to reflect those changes. Also, PCAs, Indexes, and other profiles that you will use will need to be entered. All profiles existing for AY99 on June 30, 2000 were rolled forward to AY01. Use user class 27 to make changes to agency profiles.

Also, you may perform your test with a limited number of funds/appropriations. You will save time on the initial setup by limiting your data.

RACF Numbers and User Classes

Individuals establishing appropriations, allotments, cash, Etc., will need access to the Acceptance Region. Security is also required for anyone needing to monitor transaction appearing on the 530 screen. Request security to be set up for these individuals. Include the appropriate user classes.

If you need most of the listed user classes, SFMS may create a unique profile for acceptance testing. SFMS will decide this on a case-by-case basis. Appropriate user classes are:

- **User Class 03** – Establish necessary appropriations (T-code 012) and allotments (T-code 002) using this user class. Use edit-mode 2 and release the batches. DAS normally performs this function, but for testing purposes, you will perform this function.
- **User Class 17** – Use this to process voucher payables, and expenditure adjustments. You may also update the 51 and 52 vendor profiles, 34 agency customer profiles, and the 550 RTI profile. You cannot release batches with this user class.
- **User Class 27** – If required, load initial cash balances with this user class. SFMS created T-Code 640 specifically to load cash balances. This T-code is not available in the Production Region. This user class has the same authority as it currently has in Production. You can maintain all agency profiles with this user class in addition to changing and releasing A/R invoices.
- **User Class 28** – Use this to release payment batches.
- **User Class 48** – If you need to, enter interagency transactions with this user class.

Reconciliation

Once three consecutive successful interface files have processed, reconcile reports. Include a printout from your subsystem, R*STARS printouts, and a document showing how the numbers from each of these reports reconcile.

Include the following items:

- Batch number(s)
- Number of documents
- Total dollar amount in each batch
- Number or RTI splits if applicable
- Number of documents on hold if applicable

See sample reconciliation. This is a separate document. Contact your SFMS analyst if you do not have this document.

Sending a File to the Data Set via FTP or Other Means.

Please coordinate this process with all members of your team, both fiscal and technical. The fiscal staff in your agency needs to make sure all profiles and financial elements are in place prior to a test.

Call and send E-mail to SFMS Services when you have sent a file to the dataset. The deadline for submitting a file to the dataset is 2:00 p.m. SFMS will then have ample time to review the dataset.

See the FTP instructions for this process if you need assistance. This is a separate document. Contact your SFMS analyst if you do not have this document.

Testing Schedule

Submit a testing schedule showing the dates you anticipate sending files to the data set. This schedule should also indicate the anticipated migration date. A schedule will help SFMS to prepare for the test as well as notify you if there is a conflict.