



FHA Subsidiary Ledger Operations Runbook

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Version 25

**FHA Subsidiary Ledger Project
(Attachment 30)**

**Federal Housing Administration
United States Department of Housing and Urban Development**

accenture

Revision Sheet

Release No.	Date	Revision Description
Rev. 0	04/15/2005	Leslie Hawkins and David Burnett completed the initial version of the Client-Server section of the FHA Subsidiary Ledger Runbook.
Rev. 1	4/18/2005	David Burnett edited the Client-Server section and reformatted the Mainframe/Interface section.

PeopleSoft Instance Strategy

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SECTION 1: CLIENT-SERVER RUNBOOK

Prepared by the Technical Services Team

1.0 GENERAL INFORMATION

The Department of Housing and Urban Development (HUD) Federal Housing Administration (FHA) currently requires manual intensive processes to work around system weaknesses and to provide financial information in compliance with federal regulations. In support of the *HUD 2020 Management Reform Plan – Integrate Financial Management Systems (Reform No. 2)*, the FHA Office of the Comptroller seeks to:

- Improve FHA’s financial management system and funds control processes
- Comply with federal guidelines and legislation
- Address material weaknesses
- Continue to obtain unqualified financial statement audit opinions
- Adhere to HUD’s systems modernization plan and related initiatives
- Improve overall financial management operations

To achieve these goals, FHA has implemented PeopleSoft, a Commercial Off-the-Shelf (COTS) Joint Financial Management Improvement Program (JFMIP)-compliant application to serve as the FHA Subsidiary Ledger (FHASL).

1.1 Purpose

The *FHA Subsidiary Ledger Operations Runbook* addresses necessary project support and operations activities that are necessary to ensure the successful operation of FHASL, PeopleSoft modules licensed for the FHASL project, and related software and support applications.

In addition to specifying the major requirements for daily operations of FHASL, this document also reviews the steps that can be followed to administer and support the required daily tasks.

1.2 Scope

The *FHA Subsidiary Ledger Operations Runbook* addresses the daily operations requirements for the FHA Subsidiary Ledger project, with particular emphasis on key tasks and requirements for the PeopleSoft application, Oracle databases, AUTOSYS scheduling application, Stat Application Change Management application, and mainframe interfaces.

This section of the document is written to support HUD IT and the HITS contractors when working with the project’s Client-Server applications. Although it details required daily tasks and processes, it neither replaces nor supersedes the breakdown of responsibilities for tasks as identified in the *PeopleSoft IT Roles and Responsibilities* document that was discussed and updated in January 2005.

1.3 System Overview

Although the FHA Subsidiary Ledger requires multiple software applications and databases, the PeopleSoft application is the primary driver for the project. As such, the following table provides the requisite system information for the PeopleSoft FHA Subsidiary Ledger.

Responsible organization	Federal Housing Administration
System name or title	FHA Subsidiary Ledger
System code	HSG-CO-022-P013
PCAS Number	00410350
System Category	Major financial application
Operational status	Production, with ongoing development and upgrade efforts
Users	FHA
System Input	FHA accounting transactions and related information
System Output	Subsidiary general ledger and associated trial balance, financial management and regulatory reports, summarized transactions for input to HUDCAPS
Interaction With Other Systems	The system may transmit data to and receive data from the approximately 20 FHA program systems; several FHA administrative systems including CSCS and CCARS; and a few HUD financial systems including PAS, LOCCS, HPS, and HUDCAPS.

2.0 DAILY OPERATIONS

As part of daily operations and maintenance for the FHA Subsidiary Ledger, certain technical tasks must be performed in UNIX, NT, Oracle, PeopleSoft, Autosys, and Stat. This section details how to perform required tasks for the Client-Server applications.

2.1 Database Operations

During normal operations all the databases that reside on the Production and Reporting servers should be up and running. Currently, the respective servers are FHASPRO and FHASRPT; the corresponding databases include F88PRO, F88SUP, F88HTC, F88ARC, and F88RPT, S50PRO (Stat).

For the PeopleSoft databases listed above, each environment requires several corresponding components. During Production hours, the following should be verified to ensure that they are running: database listeners, application servers, web servers, and process schedulers (on UNIX and NT). Additionally, both Stat and Autosys should be always available during Production hours. For Stat, in addition to loading the database, the application's corresponding web server must also be up and running.

In addition to the databases mentioned above, the project has many databases that reside on Development and Test servers. Unlike Production databases, the instances that reside on Development and Test servers are brought up and down as needed. As of April 2005, the Technical Services Team was maintaining the following Development and Test databases:

Database Server	Environment Purpose	PeopleSoft Module	Instance Name
Hwvauad010	Demonstration	FIN	F88DMO
		RM	R89DMO
		EP	P88DMO
		CRM	C89DMO
	Patched Demonstration	FIN	F88PDM
	DBA Testing	FIN	F88DBA
	Development	FIN	F88DEV
		RM	R89DEV
		EP	P88DEV
		CRM	C89DEV
	Administration and Security	FIN	F88ADM
		EP	P88ADM
	String Testing	FIN	F88ST1
		RM	R89ST1
		CRM	C89ST1
	Stat Development and Testing	ALL	S50DEV
	Stat Staging for Migrations	ALL	S50STG
	Prototype	FIN	F88PTT
		RM	R89PTT
		CRM	C89PTT

Database Server	Environment Purpose	PeopleSoft Module	Instance Name
Hwvauat011	Sandbox	FIN	F88SBX
		RM	R89SBX
	Validation/Verification Testing	FIN	F88VVT
		RM	R89VVT
	User Acceptance Testing	FIN	F88UAT
		RM	R89UAT
	Patch Testing	FIN	F88PAT
		FIN	F88GLD
	Gold Master for Migrations	RM	R89GLD
		FIN	F88UPG
	Final F84PRO	FIN	F84PRF
	Hwvauat015	UNASSIGNED	N/A
FHASDEV	Configuration	FIN	F88CFG
		RM	R89CFG
		CRM	C89CFG
	Training	FIN	F88TRN1
		FIN	F88TRN2
		FIN	F88TRN3
FHASTEST	Design	FIN	F88DSN
		RM	R89DSN
	Performance	CRM	C89DSN
		FIN	F88PRF

2.1.1 Starting Up a Database

The steps outlined below detail how to start an Oracle database, using F88DEV as an example:

STEP 1: Login to Telnet or SSH session as Oracle user.

STEP 2: Set Oracle Environment
`$. oraenv`
`ORACLE_SID = [F88SEC] ? F88DEV <- set Env. to F88DEV`

STEP 3: Login to SQLPLUS
`$ sqlplus /nolog`

SQL*Plus: Release 9.2.0.4.0 - Production on Thu Jun 24 09:02:22 2004

Copyright <c> 1982, 2002, Oracle Corporation. All rights reserved.

STEP 4: Connect to the database as the DBA

```
SQL> connect sys/sys as sysdba
Connected.
```

STEP 5: Startup the Database

```
SQL> startup
```

2.1.2 Shutting Down a Database

The steps outlined below detail how to shut down an Oracle database, using F88DEV as an example:

STEP 1: Login to Telnet or SSH session as Oracle user.

STEP 2: Set Oracle Environment

```
$ . oraenv
```

```
ORACLE_SID = [F88SEC] ? F88DEV <- set Env. to F88DEV
```

STEP 3: Login to SQLPLUS

```
$ sqlplus /nolog
```

```
SQL*Plus: Release 9.2.0.4.0 - Production on Thu Jun 24 09:02:22 2004
```

```
Copyright (c) 1982, 2002, Oracle Corporation. All rights reserved.
```

STEP 4: Connect to the database as the DBA

```
SQL> connect sys/sys as sysdba
```

```
Connected.
```

STEP 5: Double check that you're connected the db that you want to shutdown.

```
SQL> select name from v$database;
```

```
NAME
```

```
-----
```

```
F88DEV
```

STEP 6: You can use two different commands to bring down the database. “Shutdown” will bring down the database after users have committed. “Shutdown immediate” will force users out of the system, and the database will be brought down immediately. Each command can be useful in different situations.

```
SQL> shutdown immediate
```

2.1.3 Oracle Listener

Another DBA task includes monitoring the database listener. The listener is a separate process that resides on the server. The listener receives incoming client connection requests and passes these requests to the server.

The listener should always be up during Production hours, and it may need to be restarted if it crashes or goes down. First, the DBA should login as the oracle user and type the following command at the prompt:

\$ lsnrctl;

This command will bring up the listener control command prompt. If necessary, the DBA can stop the listener by entering the “stop” command. Once the listener has been stopped, the command “start” will restart the listener.

2.1.4 Modifying Database Properties

The properties of the database can be modified in the INSTANCE_NAME.ora file. This file is contained in the /opt/oracle/product/9.2.0/dbs folder (if the current version of Oracle is a higher version than 9.2.0, substitute the current version in the command path). A VI (UNIX editor) command within X-term will allow changes to be made to this file. The database will have to be shutdown and restarted before any changes can take effect.

The init.ora file will look like the following lines:

```
*.background_dump_dest='/opt/oracle/admin/F88PRO/bdump'  
*.compatible=9.2.0  
*.control_files='/data/u03/oradata/F88PRO/F88PRO_control01.ctl',  
'/opt/oracle/admin/F88PRO/pfile/F88PRO_control02.ctl',  
'/opt/oracle/product/9.2.0/dbs/F88PRO_control03.ctl'  
*.core_dump_dest='/opt/oracle/admin/F88PRO/cdump'  
*.remote_login_passwordfile='EXCLUSIVE'  
*.db_block_buffers=262144  
*.db_block_size=8192  
*.db_domain='FHASPRO.HUD.GOV'  
*.db_file_multiblock_read_count=32  
*.db_files=1500  
*.db_name='F88PRO'  
*.global_names=TRUE  
*.large_pool_size=8388608  
# Gus Increase Log Buffer  
#*.log_buffer=32768  
*.log_buffer= 52428800  
# Gus - set to 1million  
#*.log_checkpoint_interval= 1215752192  
*.log_checkpoint_timeout = 0
```

```

# Gus
*.job_queue_processes=2
*.max_dump_file_size='10240'
*.open_cursors=800
*.parallel_max_servers=16
*.pga_aggregate_target= 78643200
*.processes=200
*.rollback_segments='rbsbig'
# Gus
# Bumped up from 128 to 256MB.
*.shared_pool_size=268435456
*.undo_management='AUTO'
*.user_dump_dest='/opt/oracle/admin/F88PRO/udump'
*.log_archive_start = true
*.log_archive_dest_1 = "location=/data/u03/oradata/F88PRO/arch"
*.log_archive_format = arch_%t_%s.arc
# Gus Incease to 2
*.log_archive_max_processes = 2
# Gus
*.sort_area_size = 2097152
*.sort_area_retained_size = 1048576
*.timed_statistics = TRUE
# Gus - zero java pool
*.java_pool_size=0
#Gus set to 1 Hr. From 15 Min.
*.undo_retention = 21600

```

The parameters in this file can be modified if necessary to alter various database settings. Changes to this file should occur only in response to recommendations from Oracle or PeopleSoft. To monitor their impact, all changes to this file should be coordinated with the Technical Services team.

2.2 Application Server and Process Scheduler Administration

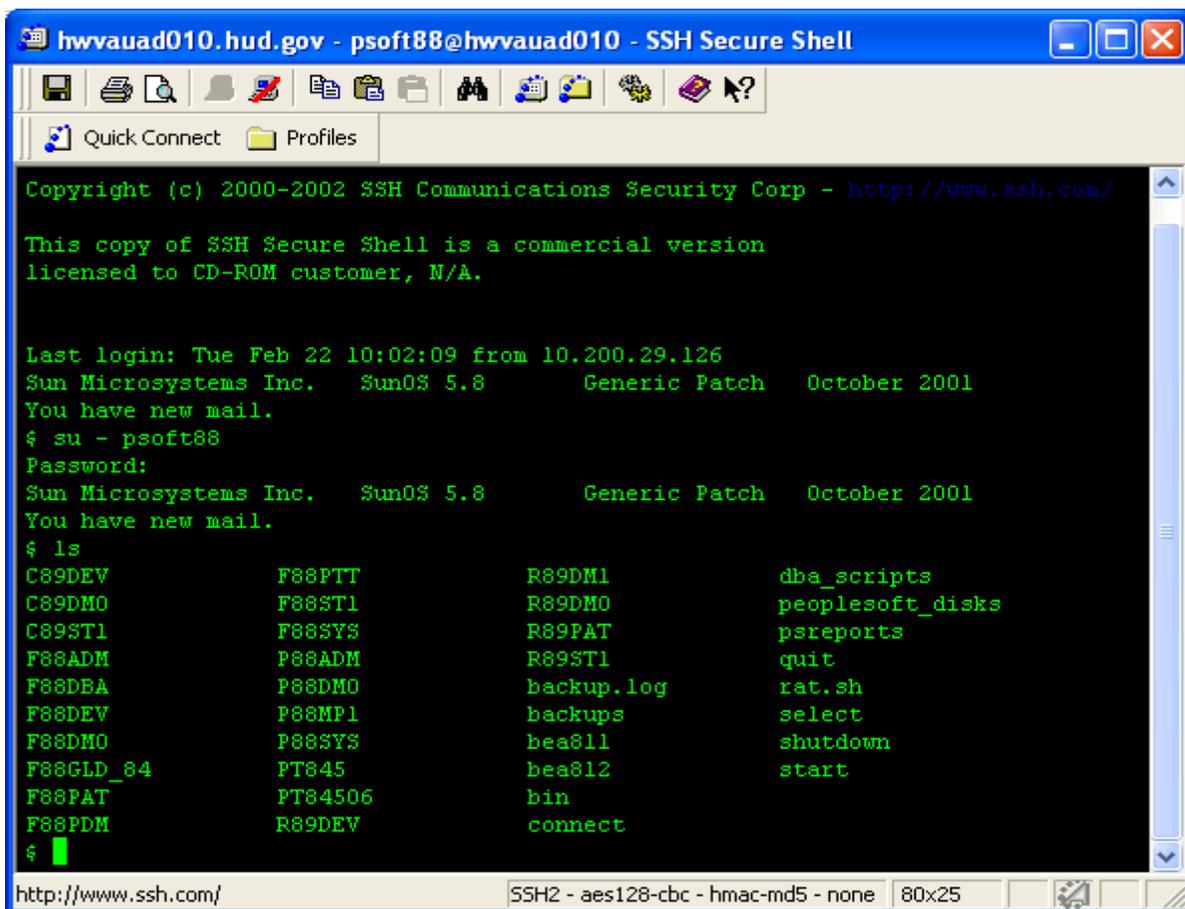
The application servers and process schedulers are components of the PeopleSoft interface that schedule and process online and batch jobs in response to the user requests. They can be run on either the UNIX servers or NT Servers.

Currently, each FHASL instance has an Application Server and Process Scheduler on the UNIX servers (Development and Test instances on Hwvauad010, Hwvauat011, FHASDEV, or FFASTEST; Reporting and Support instances reside on FHASRPT; and Production instances reside on FHASPRO). Each FHASL Instance also has a Process Scheduler on the NT servers (The HITS contractors determine the location of the NT Process Schedulers; however, Development and Test have resided on HDRFNDD012, and Production, Support, and Reporting have resided on HLANNAP003).

The NT Process Schedulers are currently used only to process nVision and Crystal reports. All other requested jobs are queued and processed through the UNIX server.

The Technical Services team only has access to stop, start, and configure the UNIX process schedulers for Testing and Development instances. The HITS Contractors are responsible for starting, stopping, and configuring all NT process schedulers as well and Production and Reporting UNIX process schedulers. All Production and Reporting process schedulers should always be up and running during Production hours. Like their respective databases, Development and Test process schedulers may be brought up and down as required by the team and FHA's business needs.

In order to work with the UNIX application servers and process schedulers, the administrator member must login using an X-Windows client or telnet session to the UNIX box that houses the appropriate instance. Maintenance for process schedulers can be accomplished by logging into the UNIX machine as psoft8 (su - psoft8) and entering the required password. Once the administrator is logged into the system, he will be in the psoft8 home: /data/u01/psoft8 directory path. The listing of this directory contains all of the instances that reside on that box. The following screen shot illustrates the FHASDEV box as an example.



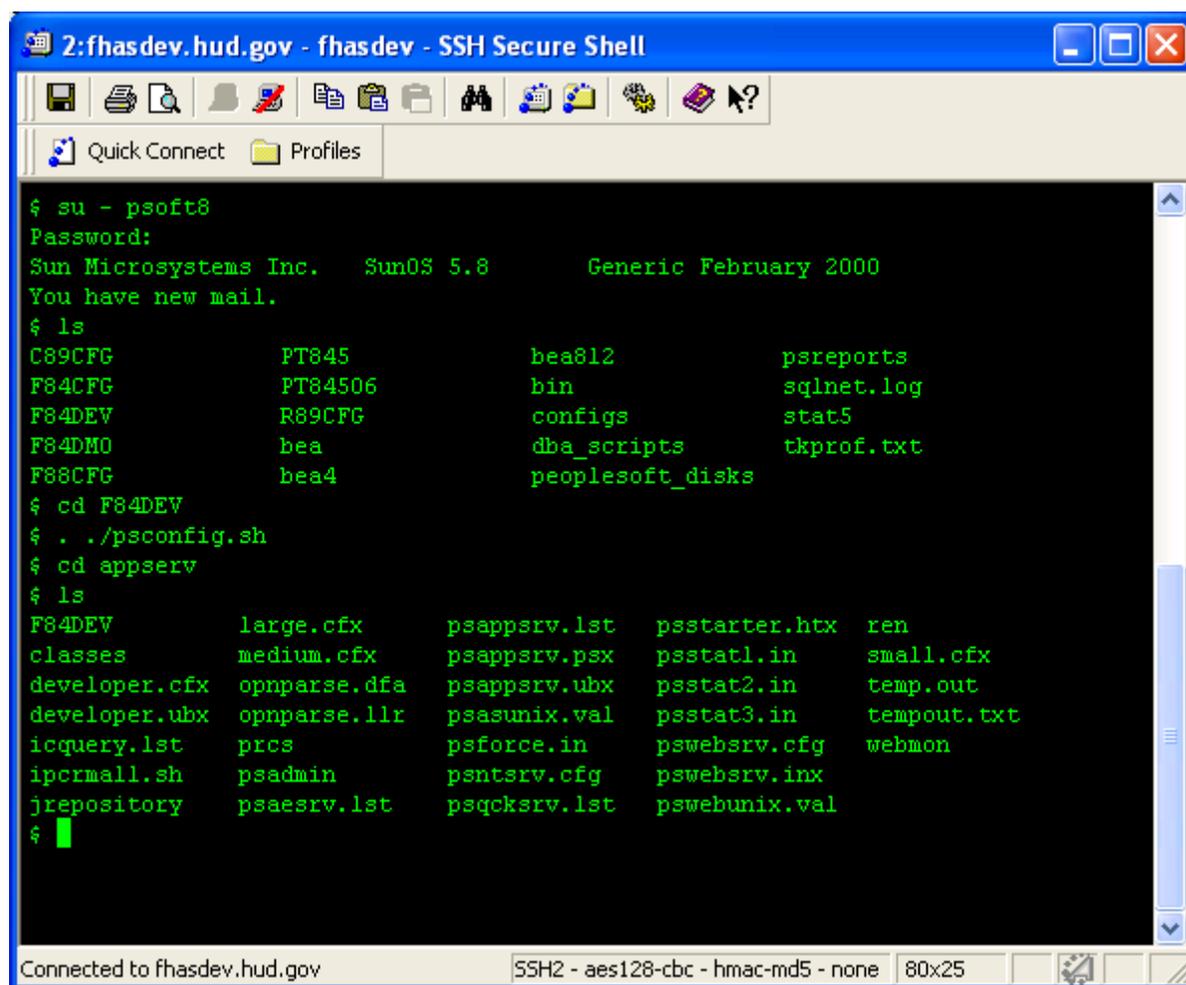
```
Copyright (c) 2000-2002 SSH Communications Security Corp - http://www.ssh.com/

This copy of SSH Secure Shell is a commercial version
licensed to CD-ROM customer, N/A.

Last login: Tue Feb 22 10:02:09 from 10.200.29.126
Sun Microsystems Inc. SunOS 5.8 Generic Patch October 2001
You have new mail.
$ su - psoft88
Password:
Sun Microsystems Inc. SunOS 5.8 Generic Patch October 2001
You have new mail.
$ ls
C89DEV      F88PTT      R89DM1      dba_scripts
C89DMO      F88ST1      R89DMO      peoplesoft_disks
C89ST1      F88SYS      R89PAT      psreports
F88ADM      P88ADM      R89ST1      quit
F88DBA      P88DMO      backup.log  rat.sh
F88DEV      P88MP1      backups     select
F88DMO      P88SYS      bea811      shutdown
F88GLD_84  PT845      bea812      start
F88PAT      PT84506    bin
F88PDM      R89DEV      connect
$
```

The application server and process scheduler command should be located within the target environment folder and can be reached with the cd command (change directory, ex: cd F88DEV).

Once the user is in the instance root directory (/data/u01/psoft8/F88DEV in this example), he should run the psconfig.sh shell script to invoke all of the environment variables. In order to run psconfig, type “./psconfig.sh” at the command prompt. After entering this command, the user should change directories to the appserv directory. The application server and process scheduler control programs are located in the respective appserv path.



```
2: fhasdev.hud.gov - fhasdev - SSH Secure Shell
Quick Connect  Profiles
$ su - psoft8
Password:
Sun Microsystems Inc.  SunOS 5.8  Generic February 2000
You have new mail.
$ ls
C89CFG          PT845          bea812         psreports
F84CFG          PT84506       bin            sqlnet.log
F84DEV          R89CFG        configs        stat5
F84DMO          bea           dba_scripts   tkprof.txt
F88CFG          bea4         peoplesoft_disks
$ cd F84DEV
$ ./psconfig.sh
$ cd appserv
$ ls
F84DEV          large.cfx      psappsrv.lst  psstarter.htx  ren
classes        medium.cfx     psappsrv.psx  psstat1.in     small.cfx
developer.cfx  opnparse.dfa  psappsrv.ubx  psstat2.in     temp.out
developer.ubx  opnparse.llr  psasunix.val  psstat3.in     tempout.txt
icquery.lst    prcs          psforce.in    pswebsrv.cfg   webmon
ipcrmall.sh    psadmin       psntsrv.cfg   pswebsrv.inx
jrepository    psaesrv.lst   psqcksrv.lst  pswebunix.val
$
```

2.2.1 Application Server Startup

To start the application server and process scheduler control program type “psadmin” at the command prompt. The program menus can be navigated with the following steps:

PSADMIN -- Tools Release: 8.43.04

Copyright (c) 1988-2003 PeopleSoft, Inc. All Rights Reserved.

PeopleSoft Server Administration

- 1) **Application Server**
- 2) Process Scheduler
- q) Quit

Command to execute (1-2, q):

(In this example, we will press 1 – for Application Server)

PeopleSoft Application Server Administration

- 1) **Administer a domain**
- 2) Create a domain
- 3) Delete a domain
- 4) Import domain configuration
- q) Quit

Command to execute (1-4, q) :

(In this example, we will press “1” for Administer a Domain.)

Tuxedo domain list:

- 1) **F88DEV**

Select domain number to administer:

(In this example, we will press “1” for F88DEV. Since each instance has its own process scheduler and application server, there will only be one choice.)

PeopleSoft Domain Administration

Domain Name: **F88DEV**

- 1) Boot this domain (this command starts the application server)

-
- 2) Domain shutdown menu (this command shuts down the application server)
 - 3) Domain status menu (this command shows status of the client and server)
 - 4) Configure this domain (this command reconfigures the application server)
 - 5) TUXEDO command line (tmadmin) (this allows tuxedo commands to be input directly)
 - 6) Edit configuration/log files menu
 - 7) Messaging Server Administration menu
 - q) Quit

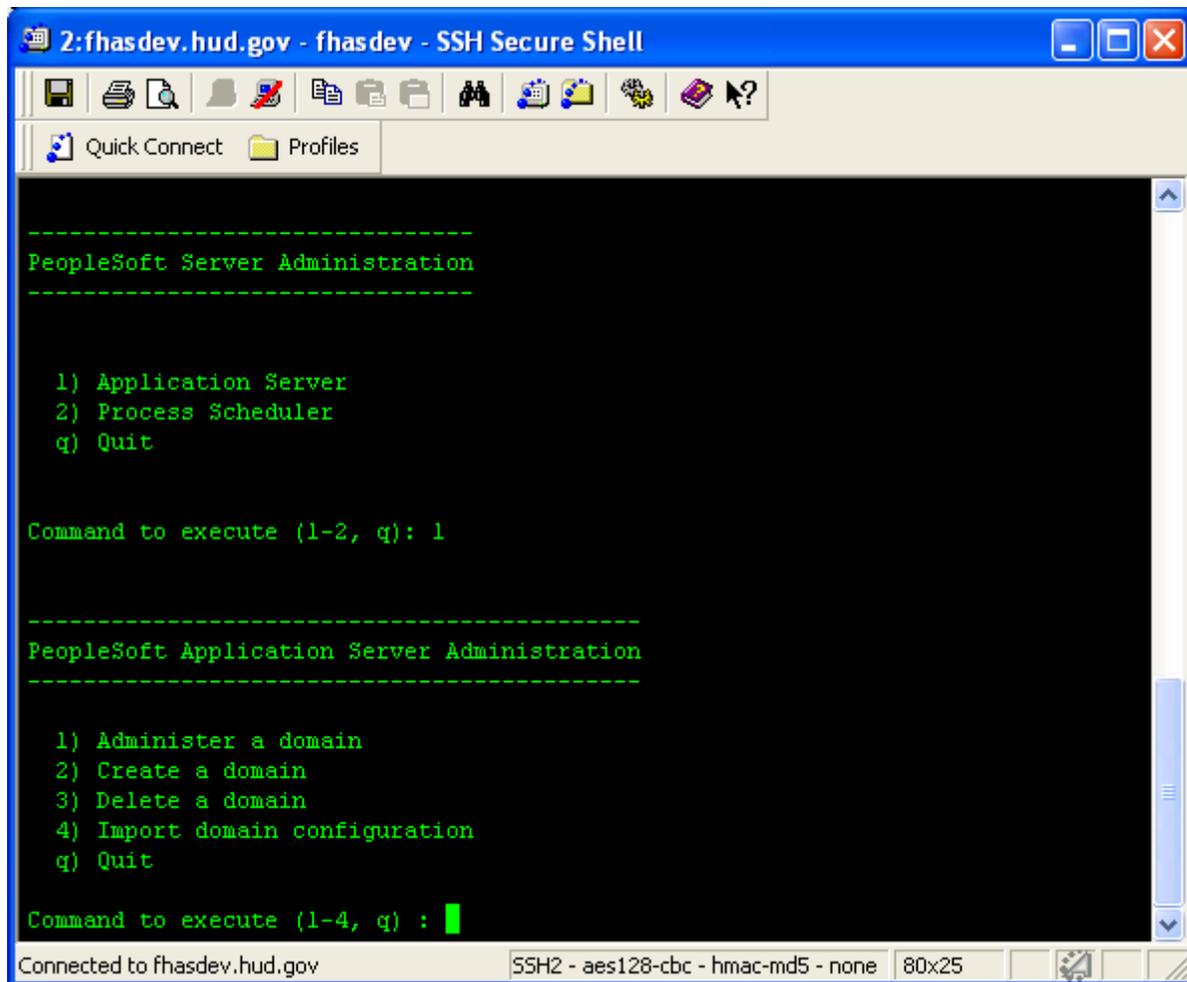
Command to execute (1-7, q):

(To begin the process scheduler, issue the first command.)

Please note the process scheduler must be manually restarted after reconfiguration.

2.2.2 Process Scheduler Startup

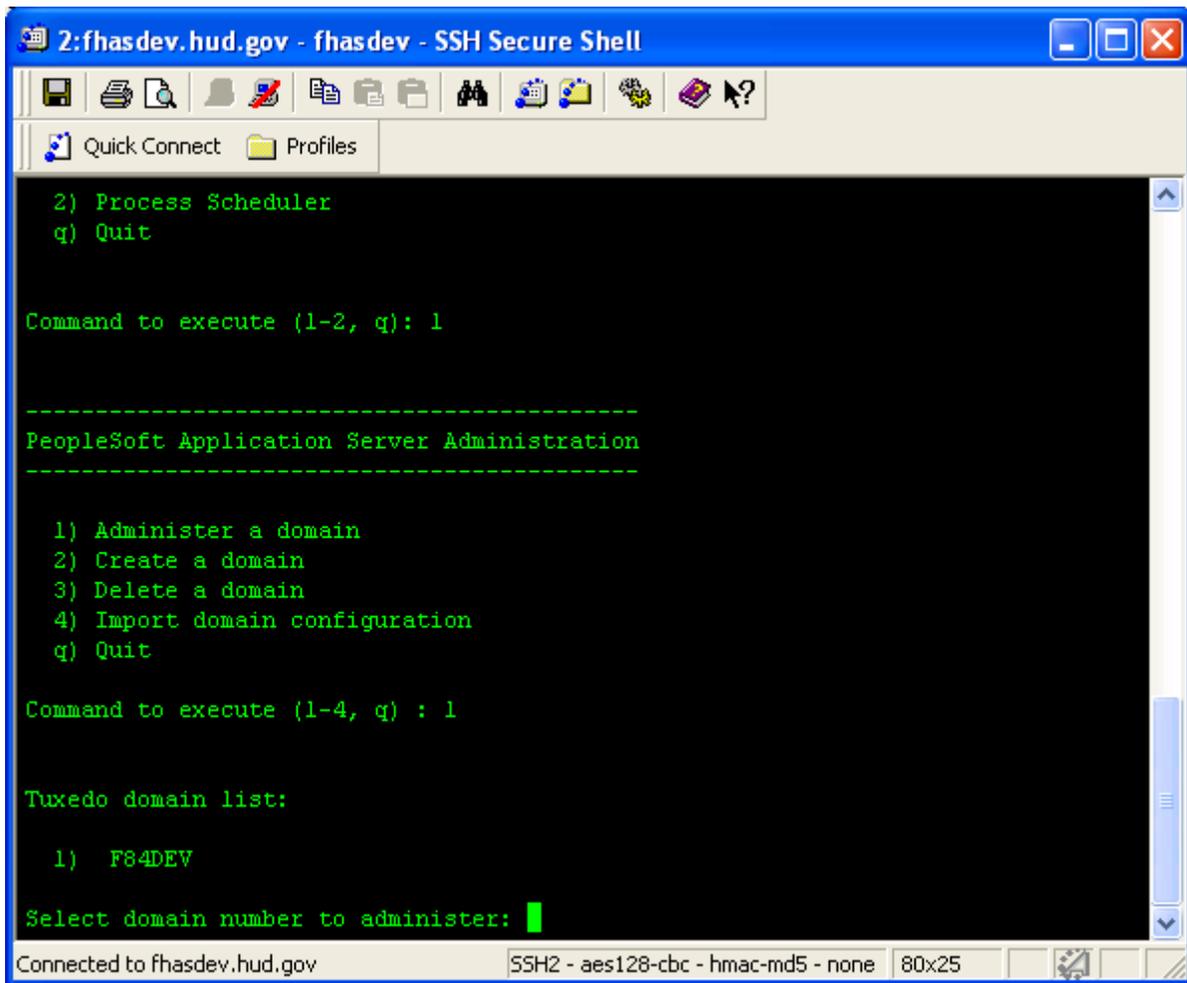
The commands to configure the process scheduler are very similar to that of the application server. Since the steps were outlined above, they are shown below with screen shots.



The screenshot shows an SSH Secure Shell window titled "2: fhasdev.hud.gov - fhasdev - SSH Secure Shell". The window contains a terminal session with the following text:

```
-----  
PeopleSoft Server Administration  
-----  
  
1) Application Server  
2) Process Scheduler  
q) Quit  
  
Command to execute (1-2, q): 1  
  
-----  
PeopleSoft Application Server Administration  
-----  
  
1) Administer a domain  
2) Create a domain  
3) Delete a domain  
4) Import domain configuration  
q) Quit  
  
Command to execute (1-4, q) : █
```

The status bar at the bottom of the window indicates "Connected to fhasdev.hud.gov" and "SSH2 - aes128-cbc - hmac-md5 - none 80x25".



```
xterm
Removing any existing configuration...
Generating new configuration...
Loading validation table...
Do you want to change any config values (y/n)? [n]:y

Values for config section - Startup
  DBName=F84DEV
  DBType=ORACLE
  UserId=PSAPPS
  UserPswd=BAC2A2D3651CA8A3B88E3BB0AB1D2BDCB88E3BB0AB1D2BDCB88E3BB0AB1D2BDC
  ConnectId=people
  ConnectPswd=9903A05E7C7CC747
  ServerName=

Do you want to change any values (y/n)? [n]:

Values for config section - Database Options
  SybasePacketSize=512
  UseLocalOracleDB=1

Do you want to change any values (y/n)? [n]:

Values for config section - Trace
  TraceSQL=0
  TracePC=0
  TraceAE=0
  TraceOpt=0
  TraceOptMask=4095

Do you want to change any values (y/n)? [n]:

Values for config section - Process Scheduler
  PrcsServerName=PSUNX
  Max Reconnect Attempt=12
  Reconnection Interval=300
  Authentication Timeout=5
  Allow Dynamic Changes=N
  Log/Output Directory=%PS_SERVDIR%/log_output
  LogFence=3
  Log Space Threshold=10
  File Chunk Size=4096
  Update Table Stats on Purge=1
  DEFAULTPRINTER=

Do you want to change any values (y/n)? [n]:█
```

(Please note the ability to turn the trace functionality on and off in the above section. Seven is the usual number for any trace value, and 255 is the max value and will return all possible traces).

```
xterm
Do you want to change any values (y/n)? [n]:
Values for config section - Tuxedo Settings
  Restartable=Y
  Grace Period=600
  Max Restart Attempt=5
  Add to PATH=%PS_HOME%/cb1bin
Do you want to change any values (y/n)? [n]:
Values for config section - Interface Driver
  SCP_LOCALE="LOCALE=EN_US","CHARSET=US-ASCII"
Do you want to change any values (y/n)? [n]:
Values for config section - PSTOOLS
  Character Set=latin1
  Add to CLASSPATH=
  Proxy Host=
  Proxy Port=
  DbFlags=0
Do you want to change any values (y/n)? [n]:
Values for config section - PSAESRV
  Max Instances =3
  Recycle Count=0
  Allowed Consec Service Failures=0
  Max Fetch Size=0
Do you want to change any values (y/n)? [n]:
Values for config section - PSAEOSRV
  Max Instances=2
  Recycle Count=0
  Allowed Consec Service Failures=0
  Max Fetch Size=0
Do you want to change any values (y/n)? [n]:
Values for config section - PSOPTENG
  Max Instances=2
  Service Timeout=10
  Opt Max General Services=2
  Opt MSSQ Instances=0
Do you want to change any values (y/n)? [n]:
```

```
xterm
Do you want to change any values (y/n)? [n]:

Values for config section - PSDSTSRV
  Max Instances =1
  Recycle Count=0
  Allowed Consec Service Failures=0
  Max Fetch Size=0

Do you want to change any values (y/n)? [n]:

Values for config section - SQR
  SQRBIN=%PS_HOME%/bin/sqr/%PS_DB%/bin
  PSSQRFLAGS=-ZIF%PS_HOME%/sqr/pssqr.unx
  Print Log=N
  Enhanced HTML=N
  PSSQR1=%PS_HOME%/user/sqr
  PSSQR2=%PS_HOME%/sqr
  PSSQR3=
  PSSQR4=

Do you want to change any values (y/n)? [n]:

Values for config section - Data Mover
  InputDir=%PS_HOME%/data
  OutputDir=%PS_HOME%/data
  LogDir=%PS_SERVDIR%\log_output
  LastScriptsDir=%PS_HOME%/scripts

Do you want to change any values (y/n)? [n]:

Values for config section - RemoteCall
  RCCBL Timeout=300
  RCCBL Redirect=0

Do you want to change any values (y/n)? [n]:

Values for config section - SMTP Settings
  SMTPServer=notesgate02.hud.gov
  SMTPPort=26
  SMTPServer1=
  SMTPPort1=0
  SMTPSender=PeopleSoft@peoplesoft.com
  SMTPSourceMachine=170.97.205.48
  SMTPCharacterSet=
  SMTPEncodingDLL=

Do you want to change any values (y/n)? [n]:
```

```
xterm
SMTPSender=PeopleSoft@peoplesoft.com
SMTPSourceMachine=170.97.205.48
SMTPCharacterSet=
SMTPEncodingDLL=

Do you want to change any values (y/n)? [n]:

Values for config section - Cache Settings
CacheBaseDir=%PS_SERVDIR%

Do you want to change any values (y/n)? [n]:

Values for config section - Integration Broker
Min Message Size For Compression=10000

Do you want to change any values (y/n)? [n]:

Values for config section - Search Indexes

Do you want to change any values (y/n)? [n]:
Do you want the Application Engines configured (y/n)? [y]:
Do you want the Master Scheduler configured (y/n)? [n]:
Do you want the Optimization Engines configured (y/n)? [n]:
Configuration file successfully created.
Loading new configuration...

You will need to shut down and start up the server to read the new settings.

-----
PeopleSoft Process Scheduler Administration
-----

1) Start a Process Scheduler Server
2) Stop a Process Scheduler Server
3) Configure a Process Scheduler Server
4) Create a Process Scheduler Server Configuration
5) Delete a Process Scheduler Server Configuration
6) Edit a Process Scheduler Configuration File
7) Import an existing Process Scheduler Configuration
8) Show Status of a Process Scheduler Server
9) Kill a Process Scheduler Server

q) Quit

Command to execute (1-9, q) : █
```

By following the above steps, the reconfiguration can be completed.

Please note the process scheduler and application server must be manually restarted after reconfiguration. The reconfiguration will not automatically start a reboot.

2.3 Web Servers

The web servers are an integral part of the PeopleSoft Internet Architecture. Web servers for all respective Production and Reporting instances must be up at all times during Production hours.

2.3.1 Starting and Stopping Web Servers

There are web servers for each 8.8 instance. They are located at the following path:

data/u01/psoft8/<instance name>/webserv/

In order to shutdown the v8.8 web server:

```
$ cd /data/u01/psoft8/<instance name>/webserv/<instance name>  
$ ./stopPIA.sh
```

In order to startup the v8.8 web server:

```
$ cd /data/u01/psoft8/<instance name>/webserv/<instance name>  
$ ./startPIA.sh
```

2.3.2 Clearing Web Server Cache

To clear the web server cache for 8.8 instances, use the following steps:

Step 1: Shutdown the web server

```
$ cd /data/u01/psoft8/<instance name>/webserv/<instance name>  
$ ./stopPIA.sh
```

Step 2: Change to appropriate directory.

```
$ cd  
/data/u01/psoft8/<instance>/webserv/<instance>/applications/peoplesoft/POR  
TAL/<instance>/cache
```

Step 3: Remove all files from the cache directory.

```
$ rm -r *
```

Step 4: Manually restart the web server

```
$ cd /data/u01/psoft8/<instance name>/webserv/<instance name>  
$ ./startPIA.sh
```

2.4 Stat

The FHA Subsidiary Ledger project uses Stat Application Change Management for the project's configuration management, migration, and versioning needs. The Stat application consists of three primary components: the database, the web server, and client software. Both the database and the web server should be up and running at all times during Production hours. The name of the Stat database is S50PRO, and it resides on the FHASPRO box.

In order to start the Stat Web server, please use the following steps:

Step 1: Login to FHASPRO as stat5

Step 2: Execute the following startup script:

\$ startSTAT.sh

2.5 Moving Files for Testing and Production Purposes

At certain times, the FHA Subsidiary Ledger project will request to have files moved for testing and production purposes. Generally these files are stored under the IO structure. For the purpose of this example, the Production Instance (F88PRO) will be used:

The IO directory is **/data/u01/IO/F88PRO**.

Underneath this directory there are 3 main subdirectories:

/data/u01/IO/F88PRO/input
/data/u01/IO/F88PRO/output
/data/u01/IO/F88PRO/archive

Each of these main subdirectories will have a folder for FTR, a folder for CCFC, and a folder for 601. For example, the input would contain the following:

/DATA/U01/IO/F88PRO/INPUT/CCFCIN

/data/u01/IO/F88PRO/input/ftrin
/data/u01/IO/F88PRO/input/601in

Generally, these files need to be moved from archive to an input directory, and the requesting user will provide this specific information. The transfers can be completed using SSH Secure Shell Client. Sometimes it is necessary to set permissions on a file, this can be accomplished (as long as you are logged in as the owner of the file) with the change protection mode command: “chmod.”

\$CHMOD 777 TESTFILE.DAT

-rwxrwxrwx 1 owner group *filesize* Feb 18 20:15 testfile.dat

If the filename is not currently the correct owner, you can use the change owner command, “chown.”

\$su owner1

Password:

\$chown owner2:group testfile.dat

-rw-r----- 1 **owner2** group *filesize* Feb 18 20:15 testfile.dat

At certain times the user will not want the file to run in Autosys (or batch processing). This can be accomplished by renaming the file to anything other than a .dat file extension. For example the extension .dal can be used.

```
-rwxrwxrwx 1 owner group filesize Feb 18 20:15 testfile.dat
mv testfile.dat testfile.da1
-rwxrwxrwx 1 owner group filesize Feb 18 20:15 testfile.da1
```

2.6 Clearing Cache

After heavy processing it is useful to delete the application server and process scheduler cache files. This can be done on the UNIX server after shutting down the application server and process scheduler and navigating to the cache location:

Application Server:

```
$CD /DATA/U01/PSOFT8/F88DEV/APPSERV/F88DEV/CACHE
```

```
$rm -r *
```

Process Scheduler:

```
$CD /DATA/U01/PSOFT8/F88DEV/APPSERV/PRCS/F88DEV/CACHE
```

```
$rm -r *
```

The application server and process scheduler can now be restarted, and the cache files will have been cleared.

2.7 Autosys

Autosys is an automated job control system for scheduling, monitoring, and reporting. These jobs can reside on any Autosys-configured machine that is attached to a network. An Autosys job is any single command, executable, script, or NT batch file. Each Autosys job definition contains a variety of qualifying attributes, including the conditions specifying when and where a job should be run. In addition, Autosys provides utilities to help you define, run, and maintain Autosys instances and jobs. The included utilities are platform-specific; however, all platforms include the Autosys graphical user interface (GUI) and Job Information Language (JIL). Both the GUI and JIL enable you to define, manage, monitor, and report on jobs.

2.7.1 Autosys Batch Job Setup

CA-Autosys v4.0 NT Oracle provides a master event scheduler that centralizes and automates the scheduling and management of jobs in distributed UNIX and Windows environments, including Oracle databases. It provides self-correcting job control, centralized system-wide monitoring, and programmable error recovery.

Although the FHA Subsidiary Ledger team specifies which jobs should be run in Autosys, the team does not have access to the utility, which is maintained by HUD IT and the HITS contractors. Since the team does not have visibility to the application, this document will not outline steps required to setup or maintain the application. However, the Autosys job schedule as of April 2005 is included in the following table:

2.7.2 PeopleSoft Autosys Jobs in Sequence

Job Start Time	Autosys Job Name	General Ledger Function	PS Process Name	Process Type	Dependencies
12:00 AM	FHGL044R_PROD FHGL044R_GL_PRINTER FHGL044R_PRINTER	Batch Control Crystal Report	FHGL044R	Crystal	GLPJEDERR_PS84_PROD
12:00 AM	FHGL043R_PROD FHGL043R_GL_PRINTER FHGL043R_PRINTER	Journal Status Crystal Report	FHGL043R	Crystal	GLPJEDERR_PS84_PROD
1:00 AM	FTR_LOAD_PS84_PROD	FTR Load and Summarization	FTR_DRIV	SQR	NONE
2:00 AM	CCFC_REQPST	FS_EVENTGEN	AE	Requisition Entry Event	
Starts after CCFC_REQPST	CCFC_POPST	FS_EVENTGEN	AE	Purchase Order Entry Event	
1:00 AM	CCFC_LDA80S	FHCCF01I	SQR Report	Load 80S Raw Data to DTT & CTT	
1:00 AM	CCFC_LDA43C	FHCCF04I	SQR Report	Load A43C Raw Data to DTT & CTT	
1:00 AM	CCFC_LDA80D	FHCCF05I	SQR Report	Load A80D Raw Data to DTT & CTT	
1:00 AM	CCFC_LDA80B	FHCCF06I	SQR Report	Load A80B Raw Data to DTT & CTT	
1:00 AM	CCFC_LDA80R	FHCCF07I	SQR Report	Load A80R Raw Data to DTT & CTT	
Starts after CCFC_LD% jobs	CCFC_LDVCHR2	FHCCF11O	SQR Report	Load CTT to Voucher Staging Tables ⁱ	CCFC_LDVCHR1
Starts after CCFC_LDVCHR2	CCFC_VCHRBLD_43C	AP_VCHRBLD	AE	Voucher Build/Edit **	CCFC_LDVCHR2
Starts after CCFC_VCHRBLD_43C	CCFC_VCHRBLD_80S	AP_VCHRBLD	AE	Voucher Build/Edit **	CCFC_VCHRBLD_43C
Starts after	CCFC_VCHRBLD_80B	AP_VCHRBLD	AE	Voucher Build/Edit **	CCFC_VCHRBLD_80S

Job Start Time	Autosys Job Name	General Ledger Function	PS Process Name	Process Type	Dependencies
CCFC_VCHRBLD_80S					
Starts after CCFC_VCHRBLD_80B	CCFC_VCHRBLD_80D	AP_VCHRBLD	AE	Voucher Build/Edit **	CCFC_VCHRBLD_80B
Starts after CCFC_VCHRBLD_80D	CCFC_VCHRBLD_80R	AP_VCHRBLD	AE	Voucher Build/Edit **	CCFC_VCHRBLD_80D
Starts after CCFC_VCHRBLD_80R	CCFC_VCHRBLD_RFC	AP_VCHRBLD	AE	Voucher Build/Edit **	CCFC_VCHRBLD_80R
Starts after CCFC_VCHRBLD_RFC	CCFC_VCHRBLDUDCK	FSPKBDP3	COBOL SQL	Comm. Cntrl. Budget Processor	CCFC_VCHRBLD_RFC
1:00 AM	CCFC_VCHRPOST	AP_PSTVCHR	Application Engine	PS/AP Voucher Posting for Contracts, Automated, Manuals *Business Units: CON01, CCFC3, CCFC2	
Starts after CCFC_VCHRPOST	CCFC_PAYPOST	AP_PSTPYMNT	Application Engine	PS/AP Payment Posting for Contracts, Automated, Manuals *Banks: CCFCM, CCFCA	CCFC_VCHRPOST
2:00 AM	FTR_LOAD_PS84_PROD	FTR Load and Summarization	FTR_DRIV	SQR	NONE
3:00 AM	FTR_LOAD_PS84_PROD	FTR Load and Summarization	FTR_DRIV	SQR	NONE
3:00 AM	CCFC_LDA80S	FHCCF01I	SQR Report	Load 80S Raw Data to DTT & CTT	
3:00 AM	CCFC_LDA43C	FHCCF04I	SQR Report	Load A43C Raw Data to DTT & CTT	
3:00 AM	CCFC_LDA80D	FHCCF05I	SQR Report	Load A80D Raw Data to DTT & CTT	
3:00 AM	CCFC_LDA80B	FHCCF06I	SQR Report	Load A80B Raw Data to DTT & CTT	
3:00 AM	CCFC_LDA80R	FHCCF07I	SQR Report	Load A80R Raw Data	

Job Start Time	Autosys Job Name	General Ledger Function	PS Process Name	Process Type	Dependencies
				to DTT & CTT	
Starts after CCFC_LD% jobs	CCFC_LDVCHR2	FHCCF110	SQR Report	Load CTT to Voucher Staging Tables ⁱⁱ	CCFC_LDVCHR1
Starts after CCFC_LDVCHR2	CCFC_VCHRBLD	AP_VCHRBLD	AE	Voucher Build/Edit **	CCFC_LDVCHR2
Starts after CCFC_VCHRBLD	CCFC_VCHRBUDCK	FSPKBDP3	COBOL SQL	Comm. Cntrl. Budget Processor	CCFC_VCHRBLD
3:00 AM	CCFC_CON_JRNLGEN	FSPGJGEN	COBOL SQL	Journal Generate for CON01	
Starts after CCFC_CON_JRNLGEN	CSC_JRNLGEN	FSPGJGEN	COBOL SQL	Journal Generate for FHA01	CCFC_CON_JRNLGEN
4:00 AM	FTR_LOAD_PS84_PROD	FTR Load and Summarization	FTR_DRIV	SQR	NONE
5:00 AM	CCFC_LDA80S	FHCCF01I	SQR Report	Load 80S Raw Data to DTT & CTT	
5:00 AM	CCFC_LDA43C	FHCCF04I	SQR Report	Load A43C Raw Data to DTT & CTT	
5:00 AM	CCFC_LDA80D	FHCCF05I	SQR Report	Load A80D Raw Data to DTT & CTT	
5:00 AM	CCFC_LDA80B	FHCCF06I	SQR Report	Load A80B Raw Data to DTT & CTT	
5:00 AM	CCFC_LDA80R	FHCCF07I	SQR Report	Load A80R Raw Data to DTT & CTT	
Starts after CCFC_LD% jobs	CCFC_LDVCHR2	FHCCF110	SQR Report	Load CTT to Voucher Staging Tables ⁱⁱⁱ	CCFC_LDVCHR1
Starts after CCFC_LDVCHR2	CCFC_VCHRBLD	AP_VCHRBLD	AE	Voucher Build/Edit **	CCFC_LDVCHR2
Starts after CCFC_VCHRBLD	CCFC_VCHRBUDCK	FSPKBDP3	COBOL SQL	Comm. Cntrl. Budget Processor	CCFC_VCHRBLD
8:00 AM	CCFC_IPAC	FHCCF10I	SQR Report	Load IPAC File to DTT & CTT	
8:00 AM	CCFC_FEDW	FHCCF09I	SQR Report	Load FEDWIRE File to	

Job Start Time	Autosys Job Name	General Ledger Function	PS Process Name	Process Type	Dependencies
				DTT & CTT	
8:00 AM	CCFC_CSHLNK	FHCCF08I	SQR Report	Load CAHSLINK File to DTT & CTT	
8:00 AM	CCFC_LDCOLL	FHCCF12O	SQR Report	Load IPAC, FEDWIRE, CASHLINK into AR tables.	
10:00 AM	CCFC_IPAC	FHCCF10I	SQR Report	Load IPAC File to DTT & CTT	
10:00 AM	CCFC_FEDW	FHCCF09I	SQR Report	Load FEDWIRE File to DTT & CTT	
10:00 AM	CCFC_CSHLNK	FHCCF08I	SQR Report	Load CAHSLINK File to DTT & CTT	
10:00 AM	CCFC_LDCOLL	FHCCF12O	SQR Report	Load IPAC, FEDWIRE, CASHLINK into AR tables.	
12:00 PM	CCFC_IPAC	FHCCF10I	SQR Report	Load IPAC File to DTT & CTT	
12:00 PM	CCFC_FEDW	FHCCF09I	SQR Report	Load FEDWIRE File to DTT & CTT	
12:00 PM	CCFC_CSHLNK	FHCCF08I	SQR Report	Load CAHSLINK File to DTT & CTT	
12:00 PM	CCFC_LDCOLL	FHCCF12O	SQR Report	Load IPAC, FEDWIRE, CASHLINK into AR tables.	
1:00 PM	CCFC_ARUPDT1	AR_UPDATE	AE	AR Update *Business Units: CCFC1, CIVIL	NONE
Starts after CCFC_ARUPDT1	CCFC_ARPGG	AR_PGG	AE	AR Update *Business Units: CCFC1, CIVIL	CCFC_ARUPDT1

Job Start Time	Autosys Job Name	General Ledger Function	PS Process Name	Process Type	Dependencies
Starts after CCFC_ARPGG	CCFC_ARPST	AR_POST	AE	AR Update *Business Units: CCFC1, CIVIL	CCFC_ARPGG
Starts after CCFC_ARPST	CCFC_ARUPDT2	AR_UPDATE2	AE	AR Update *Business Units: CCFC1, CIVIL	CCFC_ARPST
Starts after CCFC_ARUPDT2	CCFC_AR_EVNTGN	FS_EVENTGEN	AE	Request Entry Event Processor *Business Units: CCFC1, CIVIL	CCFC_ARUPDT
Starts after CCFC_AR_EVNTGN	CCFC_AR_REVEST	AR_REV_EST	AE	Revenue Estimate *Business Units: CCFC1, CIVIL	CCFC_AR_EVNTGN
Starts after CCFC_AR_EVNTGN	CCFC_AR_CV EVNTGN	FS_EVENTGEN	AE	Request Entry Event Processor *Business Units: CIVIL	CCFC_ARUPDT
Starts after CCFC_AR_REVEST	CCFC_AR_BUDCHK	FSPKBDP3	COBOL SQL	Budget Check *Business Units: CCFC1, CIVIL	CCFC_AR_REVEST
2:00 PM	FTR_LOAD_PS84_PROD	FTR Load and Summarization	FTR_DRIV	SQR	NONE
2:00 PM	FHA_JRNL_LOAD_PS84_P ROD	Flat File Journal Import	GL_JRNL_IMP	AE	FTR_LOAD_PS84_PRO D
Starts after FHA_JRNL_LOAD_PS 84_PROD	GLPJEDERR_PS84_PROD	Event Generator, Budget Check, Journal Edit, Mark for Post and Journal Post	GLJEDIT	AE COBOL SQL	FHA_JRNL_LOAD_PS 84
3:00 PM	CCFC_ARUPDT	AR_UPDATE	AE	AR Update *Business Units: CCFC1, CIVIL	NONE
Starts after CCFC_ARUPDT	CCFC_AR_EVNTGN	FS_EVENTGEN	AE	Request Entry Event Processor *Business Units: CCFC1	CCFC_ARUPDT

Job Start Time	Autosys Job Name	General Ledger Function	PS Process Name	Process Type	Dependencies
Starts after CCFC_AR_EVNTGN	CCFC_AR_REVEST	AR_REV_EST	AE	Revenue Estimate *Business Units: CCFC1, CIVIL	CCFC_AR_EVNTGN
Starts after CCFC_AR_EVNTGN	CCFC_AR_CV EVNTGN	FS_EVENTGEN	AE	Request Entry Event Processor *Business Units: CIVIL	CCFC_ARUPDT
Starts after CCFC_AR_REVEST	CCFC_AR_BUDCHK	FSPKBDP3	COBOL SQL	Budget Check *Business Units: CCFC1, CIVIL	CCFC_AR_REVEST
5:00 PM	FTR_LOAD_PS84_PROD	FTR Load and Summarization	FTR_DRIV	SQR	NONE
5:00 PM	FHA_JRNL_LOAD_PS84_P ROD	Flat File Journal Import	GL_JRNL_IMP	AE	FTR_LOAD_PS84_PROD
Starts after FHA_JRNL_LOAD_PS 84_PROD	GLPJEDERR_PS84_PROD	Event Generator, Budget Check, Journal Edit, Mark for Post and Journal Post	GLJEDIT	AE COBOL SQL	FHA_JRNL_LOAD_PS 84
6:00 PM	CCFC_ARUPDT	AR_UPDATE	AE	AR Update *Business Units: CCFC1, CIVIL	NONE
Starts after CCFC_ARUPDT	CCFC_AR_EVNTGN	FS_EVENTGEN	AE	Request Entry Event Processor *Business Units: CCFC1, CIVIL	CCFC_ARUPDT
Starts after CCFC_AR_EVNTGN	CCFC_AR_REVEST	AR_REV_EST	AE	Revenue Estimate *Business Units: CCFC1, CIVIL	CCFC_AR_EVNTGN
Starts after CCFC_AR_EVNTGN	CCFC_AR_CV EVNTGN	FS_EVENTGEN	AE	Request Entry Event Processor *Business Units: CIVIL	CCFC_ARUPDT
Starts after CCFC_AR_REVEST	CCFC_AR_BUDCHK	FSPKBDP3	COBOL SQL	Budget Check *Business Units: CCFC1, CIVIL	CCFC_AR_REVEST

Job Start Time	Autosys Job Name	General Ledger Function	PS Process Name	Process Type	Dependencies
7:00 P.M.	CCFC_AR_JRNLGEN	FSPGJGEN	COBOL SQL	Journal Generate CCFC1, CIVIL	

2.7.3 AIFS/General Ledger Jobs

Job Start Time	Autosys Job Name	General Ledger Function	PS Process Name	Process Type	Dependencies	
1:00 AM 2:00 AM, 3:00 AM, 4:00 AM, 2:00 PM, 5:00 PM.	FTR_LOAD_PS84_PROD	FTR Load and Summarization	FTR_DRIV	SQR	NONE	
2:00 PM, 5:00 PM	FHA_SL_BAT_CH_BOX_PS84_PROD	FTR_LOAD_PS84_PROD	FTR_LOAD and Summarization	FTR_DRIV	SQR	NONE
		FHA_JRNL_LOAD_PS84_PROD	Flat File Journal Import	GL_JRNL_IMP	AE	FTR_LOAD_PS84_PROD
		GLPJEDERR_PS84_PROD	Event Generator, Budget Check, Journal Edit, Mark for Post and Journal Post	GLJEDIT	AE COBOL SQL	FHA_JRNL_LOAD_PS84
4:00 PM, 9:00 PM, 12:00 AM, and 3:00 AM	FHGL044R_PROD FHGL044R_GL_PRINTER FHGL044R_PRINTER	Batch Control Crystal Report	FHGL044R	Crystal	GLPJEDERR_PS84_PROD	
4:00 PM, 9:00 PM, 12:00 AM, and 3:00 AM	FHGL043R_PROD FHGL043R_GL_PRINTER FHGL043R_PRINTER	Journal Status Crystal Report	FHGL043R	Crystal	GLPJEDERR_PS84_PROD	

2.7.4 CSCS Jobs

Job Start Time	Autosys Job Name	Process Name	Process Type	Process Description	Dependencies
Hourly	CSCS_KKNOTIFY_PROD	KK_NTFY_WF	AE	Commitment Control Email Notification	GLPJEDERR_PS84_PROD
Starts after CCFC_CON_JRNLGEN	CSC_JRNLGEN	FSPGJGEN	COBOL SQL	Journal Generate for FHA01	CCFC_CON_JRNLGEN

2.7.5 CCFC Jobs

2.7.5.1 Contracts (CON01)

Job Start Time	Autosys Job Name	Process Name	Process Type	Process Description	Dependencies
Hourly 8:00 AM to 5:00 PM	UNDEFINED	KK_NTFY_WF	AE	Route KK Notification	
2:00 A.M.	CCFC_REQPST	FS_EVENTGEN	AE	Requisition Entry Event	
	CCFC_POPST	FS_EVENTGEN	AE	Purchase Order Entry Event	CCFC_REQPST
3:00 A.M.	CCFC_CON_JRNLGEN	FSPGJGEN	COBOL SQL	PS/Fin Journal Generator	

2.7.5.2 Disbursements (CCFC3, CCFC2, CON01)

Job Start Time	Autosys Job Name	Process Name	Process Type	Process Description	Dependencies	
1:00 AM 3:00 AM 5:00 AM	CCF C_L DVC HR1 (Box Job)	CCFC_LDA80S	FHCCF01I	SQR Report	Load 80S Raw Data to DTT & CTT	NONE
		CCFC_LDA43C	FHCCF04I	SQR Report	Load A43C Raw Data to DTT & CTT	NONE
		CCFC_LDA80D	FHCCF05I	SQR Report	Load A80D Raw Data to DTT & CTT	NONE
		CCFC_LDA80B	FHCCF06I	SQR Report	Load A80B Raw Data to DTT & CTT	NONE

Job Start Time	Autosys Job Name	Process Name	Process Type	Process Description	Dependencies
	CCFC_LDA80R	FHCCF07I	SQR Report	Load A80R Raw Data to DTT & CTT	NONE
	CCFC_LDVCHR2	FHCCF11O	SQR Report	Load CTT to Voucher Staging Tables ^{iv}	CCFC_LDVCHR1
	CCFC_VCHRBLD	AP_VCHRBLD	AE	Voucher Build/Edit **	CCFC_LDVCHR2
	CCFC_VCHRBUCK	FSPKBDP3	COBOL SQL	Comm. Cntrl. Budget Processor	CCFC_VCHRBLD
	UNDEFINED	FHCCF13R	Crystal	Run Budget Check Report **	FSPKBDP3
	CCFC_KKNOTIFY	KK_NTIFY_WF	AE	Comm. Cntrl. Email Notification	FSPKBDP3
1:00 AM	CCFC_VCHRPOST	AP_PSTVCHR	Application Engine	PS/AP Voucher Posting for Contracts, Automated, Manuals *Business Units: CON01, CCFC3, CCFC2	
	CCFC_PAYPOST	AP_PSTPYMNT	Application Engine	PS/AP Payment Posting for Contracts, Automated, Manuals *Banks: CCFCM, CCFCA	CCFC_VCHRPOST
	UNDEFINED	AP_APCSHCLR	AE	PS/AP Cash Clearing	AP_PSTPYMNT
	UNDEFINED	FSPGJGEN	COBOL SQL	Journal Generate *	AP_PSTVCHR AP_PSTPYMNT AP_APCSHCLR
Hourly 7:00 AM to 5:00 PM	CCFC_KKNOTIFY	Route KK Notification	KK_NTIFY_WF	AE	NONE
Every 15 MIN	CCFC_ECS_FLTRNF1	Non-PeopleSoft	Batch file program	Process will copy ECS files from UNIX directory to NT directory.	
Every 15 MIN	CCFC_ECS_FLTRNF2	Non-PeopleSoft	Batch file program	Process will copy ECS files in UNIX directory to archive UNIX directory.	CCFC_ECS_FLTRNF1

2.7.5.3 Automated Collections (CCFC1) and Civil Penalties (CIVIL)

Job Start Time	Autosys Job Name	Process Name	Process Type	Process Description	Dependencies	
8:00 AM 10:00 AM 12:00 PM	CCFC_F DCOLL	CCFC_IPAC	FHCCF10I	SQR Report	Load IPAC File to DTT & CTT	
		CCFC_FEDW	FHCCF09I	SQR Report	Load FEDWIRE File to DTT & CTT	
		CCFC_CSHLN K	FHCCF08I	SQR Report	Load CAHSLINK File to DTT & CTT	
	CCFC_LDCOLL	FHCCF12O	SQR Report	Load IPAC, FEDWIRE, CASHLINK into AR tables.	CCFC_IPAC, CCFC_FEDW, CCFC_CASHLNK	
1:00 PM 3:00 PM 6:00 PM	CCFC_ARUPDT	AR_UPDATE	AE	AR Update *Business Units: CCFC1, CIVIL	NONE	
	CCFC_AR_EVNTGN	FS_EVENTGEN	AE	Request Entry Event Processor *Business Units: CCFC1	AR_UPDATE	
	CCFC_AR_CVEVNTGN	FS_EVENTGEN	AE	Request Entry Event Processor *Business Units: CIVIL	AR_UPDATE	
	CCFC_AR_REVEST	AR_REV_EST	AE	Revenue Estimate *Business Units: CCFC1, CIVIL	AR_UPDATE	
	CCFC_AR_BUDCHK	FSPKBDP3	COBOL SQL	Budget Check *Business Units: CCFC1, CIVIL	AR_REV_EST	
7:00 P.M.	CCFC_AR_JRNLGEN	FSPGJGEN	COBOL SQL	Journal Generate CIVIL, CCFC1		

SECTION 2: MAINFRAME/INTERFACE RUNBOOK

Prepared by the Interface Team

3.0 GENERAL INFORMATION

3.1 Run Book Syntax

Symbol	Usage
-	Used to indicate a continuation in a horizontal sequence.
GxxxxV00	Used to identify the generation of a GDG data set. The 'xxxx' can represent any number generated by the GDG.
	Used to specify a continuation in a downward sequence.
“	This is a ditto symbol. Used to indicate that the same information found above the symbol applies to where the ditto symbol is located.
/	Used as a separator between jobs.

3.2 P013 System Overview

The Department of Housing and Urban Development (HUD) Federal Housing Administration (FHA) Comptroller developed the *FHA Blueprint of Financial Management* in April 2001 to describe FHA's goals and objectives for financial management systems and operations. FHA's vision incorporates the use of a new Joint Financial Management Improvement Program (JFMIP)-compliant commercial-off-the-shelf (COTS) software package to function as the FHA Subsidiary Ledger that will capture and report on FHA's financial transactions in a manner consistent with federal rules and regulations.

The FHA developed automated General Ledger (GL) transactions for the FHA Subsidiary Ledger from 16 of its mortgage insurance systems that are supported by HUD IT Support Services contractors and COTS software vendors. The FHA will interface these GL transactions with its PeopleSoft General Ledger module. The GL transactions are produced through a batch extraction, transformation, and build processes in the Financial Transaction Repository Process Subsystem (FTR). The FTR output transactions will be loaded into the FHA Subsidiary Ledger Oracle tables; summarized and crosswalked by the Automated Interface Subsystem (AIFS) Process; and then presented to the FHA PeopleSoft Subsidiary Ledger. The interface transactions, classified in sufficient detail to meet FedGAAP and Credit Reform requirements, are currently produced monthly and will be stored with classification codes provided by FHA's mortgage insurance systems.

The Financial Transaction Repository Process Subsystem (FTR)

The FTR Process is a batch system designed to automate the capture and processing of accounting transaction from FHA mortgage insurance systems. FTR requires no FHA user intervention to process the accounting transactions. The FTR runs monthly, with its schedule pre-established by, and dependent upon, the mortgage insurance systems' month-end files or extracts being available.

The FTR Process performs the function of taking FHA mortgage insurance legacy system accounting transactions, reengineering the accounting transactions through the FTR transformation process, and creating FTR detail records reflecting data that meets the requirements of the Federal Credit Reform Act of 1990. During the transformation process the FTR performs the following sub-functions:

- FTR Data Extract
- FTR Edit
- FTR Data Refinement
- FTR Build
- FTR Error Handling.

The FHA Subsidiary Ledger Project Interface Team is fully responsible for the monthly production processes that create the input into the PeopleSoft General Ledger.

Figure 1-01 provides a general graphical representation of the FTR Process.

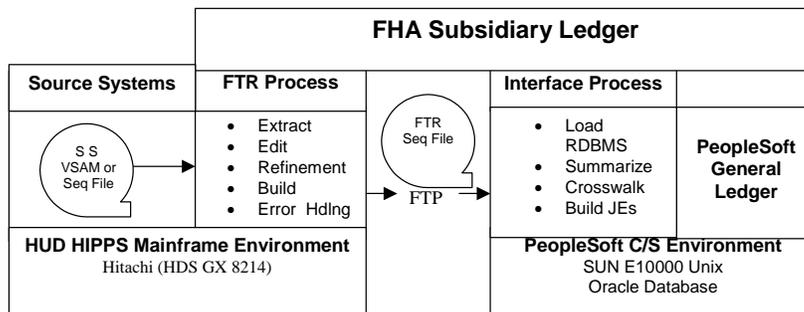


Figure 1-01. FTR Process Functions

- **System Architecture:** The FTR Process utilizes COBOL programs running on the HIPPS Hitachi mainframe **HSYS**. Input files are both flat files and VSAM files. Output FTR flat files are transferred to the AIFS.

- **User Access Mode:** There is no FHA User Access to the FTR Process. The FTR Process is a mainframe batch system with a pre-established schedule dependent upon FHA's mortgage insurance systems monthly job completion. No FHA user intervention will be required for the execution of the FTR Process.

The following table documents input from the source subsystems.

Table 1-01. Source System Inputs

	System	Media	Source
1.	A43C Account Receivable	DASD	Hitachi extract, reformat
2.	A43C Claims Paid	DASD	Hitachi extract, reformat
3.	A43C Loss Mitigation	DASD	Hitachi extract, reformat
4.	A80B SF Premium Collection - periodic	U / D	
5.	A80D Distributive Shares & Refunds	DASD	Hitachi extract, reformat
6.	A80G MF Mortgage Auction	DASD	PC file
7.	A80N SF Mortgage Notes (F60)	DASD	Hitachi reformat
8.	A80R SF Premium Collection - Upfront	DASD	Hitachi reformat
9.	A80S SF Acquired Asset Management	DASD	Hitachi extract, reformat
10.	A80K SF Acquired Asset Management	DASD	Hitachi extract, reformat
11.	F12 Home equity Conversion Mortgages	DASD	Hitachi extract, reformat
12.	F46 MF Property Management	DASD	File received from DPSC
13.	F47 MF Insurance	DASD	Hitachi extract, reformat
14.	F49 MF Accounting Reporting and Servicing	DASD	File received from DPSC
15.	F71 T1 Debt Management Collection	DASD	Hitachi extract, reformat
16.	F71A Debt Collection Asset Management	DASD	Hitachi extract, reformat
17.	F72 T1 Insurance and Claims	DASD	Hitachi extract, reformat
18.	PRE-80S SF Acquired Asset Management	DASD	Hitachi extract, reformat
19.	D80D CCFC	DASD	Hitachi copy, transfer
20.	D80S CCFC	DASD	Hitachi copy, transfer
21.	D80R CCFC	DASD	Hitachi copy, transfer

- Timing of the availability of the General Ledger legacy data for processing by FTR is planned to be concluded by the 4th workday of the month. The FTR process expects that data for each system will be available, processed, and loaded on a monthly basis. Each program system process is independent of the others. The process flow is as follows:

- Legacy data is made available on **HSYS**.
- Mainframe process is triggered by receipt of the legacy data file on **HSYS**.
- Mainframe process builds the IDB extract and Lender data that are inputs for the Account Transaction Builds (ATBs).
- Data is transmitted to the UNIX server that contains the PeopleSoft database.

Responsible Organization:	FHA Comptrollers Office
System Name:	Financial Transaction Repository (FTR)
System Code:	P013
System Environment:	Hitachi Mainframe

3.3 P013 FTR Application Problem Escalation

If any problems are encountered that require escalation, please use the following procedures

Escalation Procedure	Action
Step 1	Contact Primary On-Call at (202) 708-5227 ext. 120. If there is no response within 10 minutes, proceed to Step 2 .
Step 2	Contact Project Manager at (202) 708-0614 ext. 2091.

3.4 Production Cycle Overview

3.4.1 Batch Job Naming Standards

The following section provides a breakdown of batch job naming conventions used for the **P13 System**. The syntax takes the format of:

SNSEJN

Where:

SN = System Name
SE = System Environment
JN = Job Name

Example – **P13PIDB**

Where:

P13 = System Name
P = Production Environment

IDB = Job Name

Table 1-02. Batch Job Naming Conventions

System Name	System Environment	Job Name
P13	P = Production D = Development	IDB BKP1 A80B A80D A80R A80S A80K F12P F47 F71 F71A D601 RE8S D80D D80S D80R

3.4.2 Running Pre-execution CLIST

To automate and standardize the monthly **P013** production process, Operations must run a CLIST, which converts the input file names to a standard format. The following is the CLIST process.

Table 1-03. Pre-execution CLIST Process

Job Name	CLIST Process
P13PALM	STEP2 - Convert MM to previous month RUNCMD - current year, and last day of Previous month
P13PARSE	SFLS01 - Convert MM to previous month RUNCMD - current year, and last day of Previous month
P13PPMFE	STEP1 / STEP2 - Convert MM to previous month RUNCMD - current year, and last day of Previous month
P13PA8NA	STEP0 – Current month, Year and 01 SFLS01 - Convert MM to previous month RUNCMD - current year, and last day of Previous month
P13PA80N	STEP0 – Current month, Year and 01 SFLS01 - Convert MM to previous month RUNCMD - current year, and last day of Previous month
P13PA80B	SFLS01 - Convert MM to previous month RUNCMD - current year, and last day of Previous month
P13PA80D	SFLS01 - Convert MM to previous month RUNCMD - current year, and last day of Previous month
P13PA80R	SFLS01 - Convert MM to previous month RUNCMD - current year, and last day of Previous month
P13PA80S	SFLS01 - Convert MM to previous month RUNCMD - current year, and last day of Previous month
P13PF12P	STEP1 / SFLS01 - Convert MM to previous month RUNCMD - current year, and last day of Previous month
P13PF47	STEP1 / STEP2 - Convert MM to previous month RUNCMD - current year, and last day of Previous month
P13PF71	STEP1 - Convert MM to previous month. RUNCMD - current year, and last day of Previous month
P13PF71A	STEP1 - Convert MM to previous month. RUNCMD - current year, and last day of Previous month
P13PF72	STEP3 / STEP5 - Convert MM to previous month RUNCMD - current year, and last day of Previous month
P13PRE8S	STEP2 – Covert +MOS to previous month RUNCMD - current year, and last day of Previous month

4.0 P013 SINGLE FAMILY RUN INFORMATION

4.1 P13PIDB Schedule Information

4.1.1 Schedule IDs

Schedule IDs (SCHIDs) are a technique for defining variations in the scheduling requirements of jobs. These IDs are used on many of the screens within **CA-7** and with many of the commands to allow the user to accomplish processing with wide variations in what is required of a particular run.

Schedule IDs for the **P13PIDB** Application:

Schedule Type	SCHID Number	Definition
Schedule ID	TBD	Used to designate hour

Note: Boldface type means the Schedule ID is being used.

4.1.2 Monthly Dataset Triggered Jobs (SCHID xxx)

P13PIDB is scanned into the Request Queue when:

- **GHAS.RAMISCPY.A43BEB1.GxxxxV00** and **D64P.SFDW.EXTRACT.P013.GxxxxV00** files are created.

Note: **GxxxxV00** indicates the latest GDG family member is to be selected.

4.1.3 When To Run

P13PIDB runs monthly.

4.1.4 Dependencies

P13PIDB should be run after successful completion of:

-
- **Job GHASBMGC**, which creates the input file **GHAS.RAMISCPY.A43BEB1(0)**
 - **Job D64PCH01**, which creates the input file **D64P.SFDW.EXTRACT.P013(0)** at month end.

4.1.5 P13PIDB Job Description

The **P13BIDB** program builds the FHA missing case records data by using the current **A43BEB1** and **F17MASTR** Files as input. The Case records may be on either the **A43BEB1** File, **CHUMS** Master File, or on both. The program takes the data from whichever file contains the case record. If the case record is on both, the program takes the data from the **A43BEB1** file when the field is populated. If the field is not populated, the data is moved from the **CHUMS** Master File. This is because a case is originally entered in the **CHUMS** System and assigned a case number when the lender applies for FHA insurance. When the case is endorsed, **CHUMS** sends selected fields associated with the case to the A43 System, which maintains the Insurance In Force records. When the case is terminated, the status is recorded in A43. Each file contains one record per case number.

At the end, the job, display the number of records read and the number of records written. The number of records written should be approximately 27 million.

4.1.6 Job Steps

There is 1 job step.

STEP001 creates the IDB extract file to a new disk GDG for the current month.

BTCHSAVE saves the completed job **SYSOUT** for future reference. It is a standardized system routine that will not be further referenced or documented here.

4.1.7 Additional Runtime Information

There are no run stream job control statements.

Errors generated by this run are reported in the **SYSOUT**.

Successful completion of **GHASBMGC** and **D64PCH01** jobs on **HSYS** trigger the production job **P13PIDB**.

P13PIDB completes in approximately 3 hours.

4.1.8 Input / Output Files

STEP001 files are:

Input – D64P.SFDW.EXTRACT.P013(0)
GHAA.RAMISCPY.A43BEB1(0)

Output – P13P.FTR.IDB1(+1) – disk file requiring 2,400 cylinders

4.1.9 Run Interrupt Checkpoints

This job may be interrupted without concern for job integrity. Reference **Section 2.1.12, Restart / Recovery Procedures**, for restart instructions.

4.1.10 Set-Up and Diagnostic Procedures

None.

4.1.11 Error Messages

STEP001 outputs a number of informational messages. Only the messages documented below require action by the operations staff.

Error Messages:

ERROR MESSAGE	Operations Response
F17 - DUP RECORD FOUND CASE NO: XXX-XXXXXXX	Input data error. If numerous messages are generated, do not run subsequent jobs. Notify the programmer.
F17 OUT-OF-SEQUENCE PREVIOUS CASE: XXX-XXXXXXX CURRENT CASE: XXX-XXXXXXX	Notify programmer. Do not run subsequent jobs.

(OCCURS WITH A JOB RETURN CODE '12'.)	
A43 - DUP RECORD FOUND CASE NO: XXX-XXXXXXX	Input data error. If numerous messages are generated, do not run subsequent jobs. Notify the programmer.
A43 OUT-OF-SEQUENCE PREVIOUS CASE: XXX-XXXXXXX CURRENT CASE: XXX-XXXXXXX (OCCURS WITH A JOB RETURN CODE '12'.)	Notify programmer. Do not run subsequent jobs.
CASE = XXX-XXXXXXX DATE VALIDATION ERROR XXXXXXXXXXXX	Input data error. If numerous messages generated and the 'date' displayed after 'VALIDATION ERROR' appears normal, notify the programmer. Do not run subsequent jobs until further notice.
LE390 MSG-NO: XXXXXX CEEMGET ERROR IN PARA380-GET-CEE- MSG (OCCURS WITH A JOB RETURN CODE '12')	Notify Programmer. Do not run subsequent jobs.

4.1.12 Restart / Recovery Procedures

In the event of a system or job failure, the following table describes procedures that should be taken by IT personnel. These procedures assume that the failure occurred **during** the execution of the specified job step.

Job Step	IT Procedure
STEP001	Resubmit JCL for execution.
BTCHSAVE	Notify primary on-call staff that SYSOUT data normally saved by this step is not available.

4.2 P13PBKP1 Schedule Information

4.2.1 Schedule IDs

Schedule IDs (SCHIDs) are a technique for defining variations in the scheduling requirements of jobs. These IDs are used on many of the screens within **CA-7** and with many of the commands to allow the user to accomplish processing with wide variations in what is required of a particular run.

Schedule IDs for the **P13PBKP1** Application:

Schedule Type	SCHID Number	Definition
Schedule ID	TBD	Used to designate hour

Note: Boldface type means the Schedule ID is being used.

4.2.2 Monthly Dataset Triggered Jobs (SCHID xxx)

P13PBKP1 is not triggered by a job.

4.2.3 When To Run

P13PBKP1 should be run every 2nd Wednesday of the month at 9:00 a.m.

4.2.4 Dependencies

Successful completion of **Job P13PIDB**, which runs on the 1st and 3rd day of the month.

4.2.5 P13PBKP1 Job Description

The **P13PBKP1** program creates the backup tape copies of the following files:

- **GHAS.RAMISCPY.A43BEB1(0)**
- **D64P.SFDW.EXTRACT.P013(0)**
- **P13P.FTR.IDB1(0)**

This monthly run first copies the current **F17MASTR** and **A43BEB1** received to a tape GDG. A backup copy of the current IDB Extract is made to a tape GDG. The process runs on the Hitachi production system **HSYS**.

4.2.6 Job Steps

There are 3 job steps.

STEP001 and **STEP002** copy the input files **F17MASTR** and **A43BEB1** to a GDG tape file.

STEP003 copies the IDB extract to a tape GDG.

BTCHSAVE saves the completed job **SYSOUT** for future reference. It is a standardized system routine that will not be further referenced or documented here.

4.2.7 Additional Runtime Information

There are no run stream job control statements.

Errors generated by this run are reported in the **SYSOUT**.

P13PBKP1 completes in approximately 2 hours.

4.2.8 Input / Output Files

STEP001 files are:

Input – D64P.SFDW.EXTRACT.P013(0) – cartridge

Output - P13P.FTR.F17MASTR.BKUP(+1) – cartridge

STEP002 files are:

Input – GHAA.RAMISCPY.A43BEB1(0) – cartridge

Output – P13P.FTR.A43BEB1.BKUP(+1) – cartridge

STEP003 files are:

Input - P13P.FTR.IDB1(+0) – disk from previous step

Output - P13P.FTR.IDB1.BKUP(+1) – cartridge

4.2.9 Run Interrupt Checkpoints

This job may be interrupted without concern for job integrity. Reference **Section 2.2.12, Restart / Recovery Procedures**, for restart instructions.

4.2.10 Set-Up and Diagnostic Procedures

None.

4.2.11 Error Messages

STEP001, **STEP002**, and **STEP003** use common IBM utilities. Use the IBM manuals to research error messages generated by these steps.

4.2.12 Restart / Recovery Procedures

In the event of a system or job failure, the following table describes procedures that should be taken by IT personnel. These procedures assume that the failure occurred **during** the execution of the specified job step.

Job Step	IT Procedure
STEP001	Resubmit JCL for execution.
STEP002	Modify the job card to restart in this job step.
STEP003	Modify the job card to restart in this job step.
BTCHSAVE	Notify primary on-call staff that SYSOUT data normally saved by this step is not available.

4.3 P13PARSE Schedule Information

4.3.1 Schedule IDs

Schedule IDs (SCHIDs) are a technique for defining variations in the scheduling requirements of jobs. These IDs are used on many of the screens within **CA-7** and with many of the commands to allow the user to accomplish processing with wide variations in what is required of a particular run.

Schedule IDs for the **P13PARSE** Application:

Schedule Type	SCHID Number	Definition
Schedule ID	TBD	Used to designate hour

Note: Boldface type means the Schedule ID is being used.

4.3.2 Monthly Dataset Triggered Jobs (SCHID xxx)

P13PARSE is scanned into the Request Queue when the file **GH.GHAS.ARS.A43FSEF(+1)** is created.

4.3.3 When To Run

P13PARSE runs monthly.

4.3.4 Dependencies

P13PARSE should be run after successful completion of:

- **Job P13PIDB**, which creates the input file **P13P.FTR.IDB1(0)**

Note: **GxxxxV00** indicates the latest GDG family member is to be selected.

4.3.5 P13PARSE Job Description

P13PARSE receives the file from the Single Family Accounts Receivable Subsystem – and creates the Account Transaction Build (ATB).

This monthly job is triggered by receipt of file **GH.GHAS.ARS.A43FSEF(+1)** on the Hitachi production system **HSYS**.

4.3.6 Job Steps

There are 12 job steps.

STEP1 verifies the VSAM files.

STEP2 extracts account transactions from the source system file.

STEP2A is executed if **STEP2** fails.

STEP3 sort the new account transactions file created in step2.

STEP4 creates the ATB – the FTR file.

STEP4A executes if **STEP4** fails.

STEP5 backs up the FTR file to tape.

STEP5A executes if STEP5 fails and deletes the error backup file.

STEP6 backs up the error report to the same tape that the FTR was backed up to.

STEP6A executes if STEP6 fails and deletes the error backup file.

STEP7 creates a backup copy of the source input file (**ACCTRANS**) on the same cartridge as the FTR backup file.

STEP7A executes if STEP7 fails.

RUNCMD executes TANTIA Transfer FTR file to FHA PeopleSoft server.

BTCHSAVE saves the completed job **SYSOUT** for future reference. This step is a standardized system routine and will not be further referenced or documented here.

4.3.7 Additional Runtime Information

There are no run stream job control statements that require modification.

A printed error report is generated by this run.

P13PARSE completes in approximately 10 minutes.

4.3.8 Input / Output Files

STEP1 verifies VSAM files – there are no outputs:

Input – GH#.GHAS.ARS.A43FCHV
GH#.GHAS.ARS.A43FLHV
GH#.GHAS.A43FPCV

STEP2 files are:

Input – P13P.FTR.PARM(+0) – disk file
GH#.GHAS.ARS.A43FCHV – disk file
GH#.GHAS.ARS.A43FLHV – disk file
GH#.GHAS.A43FPCV – disk file

Output – P13P.FTR.A43CARS.ACCTRANS(+1) – disk file

STEP3 files are:

Input / Output – P13P.FTR.A43CARS.ACCTRANS(+1) – disk file

STEP4 files are:

Input – P13P.FTR.A43CARS.ACCTRANS(+1) – disk file
P13P.FTR.IDB1(+0) – disk file
P13P.FTR.PARM(+MOS) – disk file
P13P.FTR.F51.MASTER.DT990603 – disk file
P13P.FTR.ADPFUND.DT980910 – disk file

Output – P13P.FTR.A43CARS.FTR(+1) – disk file
P13P.FTR.A43CARS.ERRPT(+1) – 1 cylinder disk file
P13P.FTR.A43CARS.ERRFILE(+1) – 1 cylinder disk file
P13P.FTR.A43CARS.BALRPT(+1) – 1 cylinder disk file

STEP5 files are:

Input – P13P.FTR.A43CARS.FTR(+1) – disk file
Output – P13P.FTR.A43CARS.FTRBKUP(+1) – tape

STEP6 files are:

Input – P13P.FTR.A43CARS.ERRRPT(+1) – 1 cylinder disk file
Output – P13P.FTR.A43CARS.ERPTBKUP(+1) – tape

STEP7 files are:

Input – P13P.FTR.A43CARS.ACCTRANS(+1) – 4 cylinder disk file
Output – P13P.FTR.A43CARS.ACCTBKUP(+1) – tape

RUNCMD TANTIA files are:

Input – P13P.FTR.A43CARS.FTR(+0) – 3 cylinder disk file
Output – ars+YYYY+MM+DD.dat

4.3.9 Run Interrupt Checkpoints

This job may be interrupted without concern for job integrity. Reference **Section 2.3.12 Restart / Recovery Procedures**, for restart instructions.

4.3.10 Set-Up and Diagnostic Procedures

None.

4.3.11 Error Messages

STEP1 (SORT1) uses the IBM SORT utilities. Use the IBM manuals to research error messages generated by those steps.

STEP3 uses the IBM IEBGENER utility and the IBM manual should be used to research error messages.

STEP2 (STEP1) outputs a number of informational messages. Only the messages documented below require action by the operations staff.

Error Messages:

Error Message	Operations Response
Job ABEND with return code 12 with message INPUT FILE EMPTY	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message FIRST RECORD NOT A HEADER RECORD	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message INVALID ACCOUNT PERIOD DATE	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message INVALID TRANSACTION CODE	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message SECOND HEADER RECORD FOUND	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message RECORD TYPE MISSING	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message CASE NUMBER NOT SORTED	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message TRAILER COUNT AND AMOUNT FIELDS NOT EQUAL TO SUM OF THE L RECORDS'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'NO TRAILER RECORD FOUND'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'NO PARM DATE FOUND'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'PLEASE CHECK ERROR REPORT FOR EXPLANATION'	Notify primary on-call run support staff. Do not run subsequent jobs.

4.3.12 Restart / Recovery Procedures

In the event of a system or job failure, the following table describes procedures that should be taken by IT personnel. This procedure assumes that the failure occurred **during** the execution of the specified job step.

Job Step	IT Procedure
STEP2	Modify to restart in this job step.
STEP4	Modify to restart in this job step.
STEP5	Modify to restart in this job step.
STEP6	Modify to restart in this job step.
STEP7	Modify to restart in this job step.
RUNCMD	Modify to restart in this job step.
BTCHSAVE	Notify primary on-call staff that SYSO UT data normally saved by Step 3 is not available.

4.4 P13PALM Schedule Information

4.4.1 Schedule IDs

Schedule IDs (SCHIDs) are a technique for defining variations in the scheduling requirements of jobs. These IDs are used on many of the screens within **CA-7** and with many of the commands to allow the user to accomplish processing with wide variations in what is required of a particular run.

Schedule IDs for the **P13PALM** Application:

Schedule Type	SCHID Number	Definition
Schedule ID	TBD	Used to designate hour

Note: Boldface type means the Schedule ID is being used.

4.4.2 Monthly Dataset Triggered Jobs (SCHID xxx)

P13PALM is scanned into the Request Queue when the file **GHAS.CLMS.M00CLX8.EXTRACT.FTR (+1)** is created.

4.4.3 When To Run

P13PALM runs monthly.

4.4.4 Dependencies

P13PALM should be run after successful completion of:

- **Job GHASCLX8**, which creates the input file **GHAS.CLMS.M00CLX8.EXTRACT.FTR(+1)**

Note: **GxxxxV00** indicates the latest GDG family member is to be selected.

4.4.5 P13PALM Job Description

P13PALM receives the file from the Single Family Claims – Loss Mitigation Subsystem – and creates the Account Transaction Build (ATB).

This monthly job is triggered by successful completion of the **GHASCLX8** job on the Hitachi production system **HSYS**.

4.4.6 Job Steps

There are 10 job steps.

STEP1 copies the input file to a standard P13P HLQ.

STEP2 creates the FTR ATB output files.

STEP2A is executed if **STEP2** fails.

STEP3 sends the error report to the printer.

STEP4 creates a backup copy of the FTR file on tape.

STEP4A executes if **STEP4** fails.

STEP5 backs up the error report to the same tape as the FTR file backup.

STEP5A executes if **STEP5** fails and deletes the error backup file.

STEP6 creates a backup copy of the source input file (**ACCTRANS**) on the same cartridge as the FTR backup file.

STEP6A executes if **STEP6** fails.

RUNCMD executes TANTIA Transfer FTR file to FHA PeopleSoft server.

BTCHSAVE saves the completed job **SYSOUT** for future reference. This step is a standardized system routine and will not be further referenced or documented here.

4.4.7 Additional Runtime Information

There are no run stream job control statements that require modification.

A printed error report is generated by this run.

P13PALM completes in approximately 10 minutes.

4.4.8 Input / Output Files

STEP1 files are:

Input – GHAS.CLMS.M00CLX8.EXTRACT.FTR(0)– Disk file

Output – P13P.FTR.A43CLM.ACCTRANS(+1) – Sorted disk file

STEP2 files are:

Input – P13P.FTR.PARM(MONTH+MM) – disk file

P13P.FTR.A43CLM.ACCTRANS(+1) – disk file

Output – P13P.FTR.A43CLM.FTR(+1) – disk file

P13P.FTR.A43CLM.OUTFIL2(+1) – 1 cylinder disk file

P13P.FTR.A43CLM.ERRFILE (+1) – 1 cylinder disk file

P13P.FTR.A43CLM.BALRPT (+1) – 1 cylinder disk file

STEP3 files are:

Input / Output – P13P.FTR.A43CLM.ERRFILE(+1) – 1 cylinder disk file

STEP4 files are:

Input – P13P.FTR.A43CLM.FTR(+1) – 3 cylinder disk file

Output – P13P.FTR.A43CLM. FTRBKUP (+1) – tape

STEP5 files are:

Input – P13P.FTR.A43CLM.ERRFILE(+1) – 1 cylinder disk file

Output – P13P.FTR.A43CLM. ERPTBKUP(+1) – tape

STEP6 files are:

Input – P13P.FTR.A43CLM.ACCTTRANS(+1) – 4 cylinder disk file
Output – P13P.FTR.A43CLM.ACCTBKUP(+1) – tape

RUNCMD TANTIA files are:

Input – P13P.FTR.A43CLM.FTR(+0) – disk file
Output – lmc+YYYY+MM+DD.dat

4.4.9 Run Interrupt Checkpoints

This job may be interrupted without concern for job integrity. Reference **Section 2.4.12 Restart / Recovery Procedures**, for restart instructions.

4.4.10 Set-Up and Diagnostic Procedures

None.

4.4.11 Error Messages

STEP1 (SORT1) uses the IBM SORT utilities. Use the IBM manuals to research error messages generated by those steps.

STEP3 uses the IBM IEBGENER utility and the IBM manual should be used to research error messages.

STEP2 (STEP1) outputs a number of informational messages. Only the messages documented below require action by the operations staff.

Error Messages:

Error Message	Operations Response
Job ABEND with return code 12 with message INPUT FILE EMPTY	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message FIRST RECORD NOT A HEADER RECORD	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message INVALID ACCOUNT PERIOD DATE	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message INVALID TRANSACTION CODE	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message SECOND HEADER RECORD FOUND	Notify primary on-call run support staff. Do not run subsequent jobs.

Error Message	Operations Response
Job ABEND with return code 12 with message RECORD TYPE MISSING	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message CASE NUMBER NOT SORTED	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message TRAILER COUNT AND AMOUNT FIELDS NOT EQUAL TO SUM OF THE L RECORDS'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'NO TRAILER RECORD FOUND'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'NO PARM DATE FOUND'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'PLEASE CHECK ERROR REPORT FOR EXPLANATION'	Notify primary on-call run support staff. Do not run subsequent jobs.

4.4.12 Restart / Recovery Procedures

In the event of a system or job failure, the following table describes procedures that should be taken by IT personnel. This procedure assumes that the failure occurred **during** the execution of the specified job step.

Job Step	IT Procedure
STEP2	Modify to restart in this job step.
STEP4	Modify to restart in this job step.
STEP5	Modify to restart in this job step.
STEP6	Modify to restart in this job step.
RUNCMD	Modify to restart in this job step.
BTCHSAVE	Notify primary on-call staff that SYSOUL data normally saved by Step 3 is not available.

4.5 P13PPMFE Schedule Information

4.5.1 Schedule IDs

Schedule IDs (SCHIDs) are a technique for defining variations in the scheduling requirements of jobs. These IDs are used on many of the screens within **CA-7** and with many of the commands to allow the user to accomplish processing with wide variations in what is required of a particular run.

Schedule IDs for the **P13PPMFE** Application:

Schedule Type	SCHID Number	Definition
Schedule ID	TBD	Used to designate hour

Note: Boldface type means the Schedule ID is being used.

4.5.2 Monthly Dataset Triggered Jobs (SCHID xxx)

P13PPMFE is scanned into the Request Queue when the file **GH.GHAS.CLAIMT.BACKUP(+1)** is created.

4.5.3 When To Run

P13PPMFE runs monthly.

4.5.4 Dependencies

P13PPMFE should be run after successful completion of:

- Job **P13PIDB**, which creates the input file **P13P.FTR.IDB1(0)**
- Job **GHASCKZ6**, which creates the input file **GH.GHAS.CLAIMT.BACKUP(+1)**

Note: **GxxxxV00** indicates the latest GDG family member is to be selected.

4.5.5 P13PPMFE Job Description

P13PPMFE receives the file from the Single Family Claims – Claims Paid Subsystem – and creates the Account Transaction Build (ATB).

This monthly job is triggered by successful completion of the **GHASCKZ6** job on the Hitachi production system **HSYS**.

4.5.6 Job Steps

There are 10 job steps.

STEP1 copies the input file to a standard P13P HLQ.

STEP2 creates the FTR ATB output files.

STEP2A is executed if **STEP2** fails.

STEP3 sends the error report to the printer.

STEP4 creates a backup copy of the FTR file on tape.

STEP4A executes if **STEP4** fails.

STEP5 backs up the error report to the same tape as the FTR file backup.

STEP5A executes if **STEP5** fails and deletes the error backup file.

STEP6 creates a backup copy of the source input file (**ACCTRANS**) on the same cartridge as the FTR backup file.

STEP6A executes if **STEP6** fails.

RUNCMD executes TANTIA **Transfer** FTR file to FHA PeopleSoft server.

BTCHSAVE saves the completed job **SYSOUT** for future reference. This step is a standardized system routine and will not be further referenced or documented here.

4.5.7 Additional Runtime Information

There are no run stream job control statements that require modification.

A printed error report is generated by this run.

P13PPMFE completes in approximately 20 minutes.

4.5.8 Input / Output Files

STEP1 files are:

Input – GH.GHAS.CLAIMT.BACKUP(+0) – Disk file

P13P.FTR.PARM(+MOS) – disk file

Output – P13P.FTR.A43CPMF.ACCTRANS(+1) – Sorted disk file

STEP2 files are:

Input – P13P.FTR.PARM(+MOS) – disk file

P13P.FTR.IDB1(0) – disk file

P13P.FTR.F51.MASTER.DT990603 – disk file

P13P.FTR.ADPFUND.DT980910 – disk file

P13P.FTR.A43CPMF.ACCTRANS(+1) – Sorted disk file

Output – P13P.FTR.A43CPMF.FTR(+1) – 130 cylinder disk file

P13P.FTR.A43CPMF.ACCTRANS(+1)

P13P.FTR.A43CPMF.ERRPT(+1) – 1 cylinder disk file

P13P.FTR.A43CPMF.ERRFILE(+1) – 1 cylinder disk file

P13P.FTR.A43CPMF.BALRPT(+1) – 1 cylinder disk file

STEP3 files are:

Input / Output – P13P.FTR.A43CPMF.ERRRPT(+1) – 1 cylinder disk file

STEP4 files are:

Input – P13P.FTR.A43CPMF.FTR(+1) – 3 cylinder disk file

Output – P13P.FTR.A43CPMF.FTRBKUP(+1) – tape

STEP5 files are:

Input – P13P.FTR.A43CPMF.ERRRPT(+1) – 1 cylinder disk file

Output – P13P.FTR.A43CPMF.ERPTBKUP(+1) – tape

STEP6 files are:

Input – P13P.FTR.A43CPMF.ACCTRANS(+1) – 4 cylinder disk file

Output – P13P.FTR.A43CPMF.ACCTBKUP(+1) – tape

RUNCMD TANTIA files are:

Input – P13P.FTR.A43CPMF.FTR(+0) – 3 cylinder disk file

Output – 43c+YYYY+MM+DD.dat

4.5.9 Run Interrupt Checkpoints

This job may be interrupted without concern for job integrity. Reference **Section 2.5.12 Restart / Recovery Procedures**, for restart instructions.

4.5.10 Set-Up and Diagnostic Procedures

None.

4.5.11 Error Messages

STEP1 (SORT1) uses the IBM SORT utilities. Use the IBM manuals to research error messages generated by those steps.

STEP3 uses the IBM IEBGENER utility and the IBM manual should be used to research error messages.

STEP2 (STEP1) outputs a number of informational messages. Only the messages documented below require action by the operations staff.

Error Messages:

Error Message	Operations Response
Job ABEND with return code 12 with message INPUT FILE EMPTY	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message FIRST RECORD NOT A HEADER RECORD	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message INVALID ACCOUNT PERIOD DATE	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message INVALID TRANSACTION CODE	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message SECOND HEADER RECORD FOUND	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message RECORD TYPE MISSING	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message CASE NUMBER NOT SORTED	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message TRAILER COUNT AND AMOUNT FIELDS NOT EQUAL TO SUM OF THE L	Notify primary on-call run support staff. Do not run subsequent jobs.

RECORDS'	
Job ABEND with return code 12 with display message 'NO TRAILER RECORD FOUND'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'NO PARM DATE FOUND'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'PLEASE CHECK ERROR REPORT FOR EXPLANATION'	Notify primary on-call run support staff. Do not run subsequent jobs.

4.5.12 Restart / Recovery Procedures

In the event of a system or job failure, the following table describes procedures that should be taken by IT personnel. This procedure assumes that the failure occurred **during** the execution of the specified job step.

Job Step	IT Procedure
STEP2	Modify to restart in this job step.
STEP4	Modify to restart in this job step.
STEP5	Modify to restart in this job step.
STEP6	Modify to restart in this job step.
RUNCMD	Modify to restart in this job step.
BTCHSAVE	Notify primary on-call staff that SYSOUT data normally saved by Step 3 is not available.

4.6 P13PA80B Schedule Information

4.6.1 Schedule IDs

Schedule IDs (SCHIDs) are a technique for defining variations in the scheduling requirements of jobs. These IDs are used on many of the screens within **CA-7** and with many of the commands to allow the user to accomplish processing with wide variations in what is required of a particular run.

Schedule IDs for the **P13PA80B** Application:

Schedule Type	SCHID Number	Definition
Schedule ID	TBD	Used to designate hour

Note: Boldface type means the Schedule ID is being used.

4.6.2 Monthly Dataset Triggered Jobs (SCHID xxx)

P13PA80B is scanned into the Request Queue when the file **A8BP.FDW.A80B.ACCTRANS.DTmmccyy** is created.

4.6.3 When To Run

P13PA80B runs monthly.

4.6.4 Dependencies

P13PA80B should be run after successful completion of:

- **Job P13PIDB**, which creates the input file **P13P.FTR.IDB1(0)**
- **Job A8BPFDFWF**, which creates the input file **A8BP.FDW.A80B.ACCTRANS.DTmmccyy**

Note: **GxxxxV00** indicates the latest GDG family member is to be selected.

4.6.5 P13PA80B Job Description

P13PA80B receives the file from the Single Family Premium Collection Subsystem – Periodic (**SFPCS-P**) and creates the Account Transaction Build (ATB).

This monthly job is triggered by successful completion of the **A8BPFDFWF** job on the Hitachi production system **HSYS**.

4.6.6 Job Steps

There are 10 job steps.

STEP1 copies the input file to a standard P13P HLQ.

STEP2 creates the FTR ATB output files.

STEP2A is executed if **STEP2** fails.

STEP3 sends the error report to the printer.

STEP4 creates a backup copy of the FTR file on tape.

STEP4A executes if STEP4 fails.

STEP5 backs up the error report to the same tape as the FTR file backup.

STEP5A executes if STEP5 fails and deletes the error backup file.

STEP6 creates a backup copy of the source input file (**ACCTRANS**) on the same cartridge as the FTR backup file.

STEP6A executes if STEP6 fails.

RUNCMD executes TANTIA Transfer FTR file to FHA PeopleSoft server.

BTCHSAVE saves the completed job **SYSOUT** for future reference. This step is a standardized system routine and will not be further referenced or documented here.

4.6.7 Additional Runtime Information

There are no run stream job control statements that require modification.

A printed error report is generated by this run.

P13PA80B completes in approximately 1 hour.

4.6.8 Input / Output Files

STEP1 files are:

Input – P13P.FTR.A80B.ACCTRANS.DTMMYYYY – Disk file

Output – P13P.FTR.A80B.ACCTRANS(+1) – Sorted disk file

STEP2 files are:

Input – P13P.FTR.PARM(+MOS) – disk file

P13P.FTR.IDB1(0) – disk file

P13P.FTR.F51.MASTER.DT990603 – disk file

P13P.FTR.ADPFUND.DT980910 – disk file

Output – P13P.FTR.A80B.FTR(+1) – 130 cylinder disk file

P13P.FTR.A80B.ACCTRANS(+1)

P13P.FTR.A80B.ERRPT(+1) – 1 cylinder disk file

P13P.FTR.A80B.ERRFILE(+1) – 1 cylinder disk file

P13P.FTR.A80B.BALRPT (+1) – 1 cylinder disk file

STEP3 files are:

Input / Output – P13P.FTR.A80B.ERRRPT(+1) – 1 cylinder disk file

STEP4 files are:

Input – P13P.FTR.A80B.FTR(+1) – 3 cylinder disk file

Output – P13P.FTR.A80B. FTRBKUP (+1) – tape

STEP5 files are:

Input – P13P.FTR.A80B.ERRRPT(+1) – 1 cylinder disk file

Output – P13P.FTR.A80B. ERPTBKUP(+1) – tape

STEP6 files are:

Input – P13P.FTR.A80B.ACCTRANS(+1) – 4 cylinder disk file

Output – P13P.FTR.A80B. ACCTBKUP(+1) – tape

RUNCMD TANTIA files are:

Input – P13P.FTR.A80B.FTR(+0) – 3 cylinder disk file

Output – 80b+YYYY+MM+DD.dat

4.6.9 Run Interrupt Checkpoints

This job may be interrupted without concern for job integrity. Reference **Section 2.6.12 Restart / Recovery Procedures**, for restart instructions.

4.6.10 Set-Up and Diagnostic Procedures

None.

4.6.11 Error Messages

STEP1 (SORT1) uses the IBM SORT utilities. Use the IBM manuals to research error messages generated by those steps.

STEP3 uses the IBM IEBGENER utility and the IBM manual should be used to research error messages.

STEP2 (STEP1) outputs a number of informational messages. Only the messages documented below require action by the operations staff.

Error Messages:

Error Message	Operations Response
Job ABEND with return code 12 with message INPUT FILE EMPTY	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message FIRST RECORD NOT A HEADER RECORD	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message INVALID ACCOUNT PERIOD DATE	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message INVALID TRANSACTION CODE	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message SECOND HEADER RECORD FOUND	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message RECORD TYPE MISSING	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message CASE NUMBER NOT SORTED	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message TRAILER COUNT AND AMOUNT FIELDS NOT EQUAL TO SUM OF THE L RECORDS'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'NO TRAILER RECORD FOUND'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'NO PARM DATE FOUND'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'PLEASE CHECK ERROR REPORT FOR EXPLANATION'	Notify primary on-call run support staff. Do not run subsequent jobs.

4.6.12 Restart / Recovery Procedures

In the event of a system or job failure, the following table describes procedures that should be taken by IT personnel. This procedure assumes that the failure occurred **during** the execution of the specified job step.

Job Step	IT Procedure
STEP2	Modify to restart in this job step.
STEP4	Modify to restart in this job step.
STEP5	Modify to restart in this job step.
STEP6	Modify to restart in this job step.
RUNCMD	Modify to restart in this job step.

BTCHSAVE	Notify primary on-call staff that SYSO UT data normally saved by Step 3 is not available.
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4.7 P13PA80D Schedule Information

4.7.1 Schedule IDs

Schedule IDs (SCHIDs) are a technique for defining variations in the scheduling requirements of jobs. These IDs are used on many of the screens within **CA-7** and with many of the commands to allow the user to accomplish processing with wide variations in what is required of a particular run.

Schedule IDs for the **P13PA80D** Application:

Schedule Type	SCHID Number	Definition
Schedule ID	TBD	Used to designate hour

Note: Boldface type means the Schedule ID is being used.

4.7.2 Monthly DATASET TRIGGERED JOBS (SCHID xxx)

P13PA80D is scanned into the Request Queue when **GHDP.GHDPBDWH.WAREHSE(0)** is created.

4.7.3 When To Run

P13PA80D runs monthly.

4.7.4 Dependencies

P13PA80D should be run after successful completion of:

- Job **P13PIDB**, which creates the input file **P13P.FTR.IDB1(0)**
- Job **GHDPBDWH**, which creates the input file **GHDP.GHDPBDWH.WAREHSE(0)**

Note: **GxxxxV00** indicates the latest GDG family member is to be selected.

4.7.5 P13PA80D Job Description

P13PA80D receives files from the Distributive Shares and Refunds Subsystem (**A80D**), which are used to process Single Family premium refunds and to make payments to homeowners under the Distributive Shares program.

This monthly job is triggered by successful completion of job **GHDPBDWH** on the Hitachi production system **HSYS**.

4.7.6 Job Steps

There are 11 job steps.

STEP1 copies the input file to a P13P HLQ.

STEP2 creates the FTR ATB output files.

STEP2A is executed if **STEP2** fails.

STEP3 prints the error report.

STEP4 creates a backup of the FTR file to a tape.

STEP4A is executed if **STEP4** fails.

STEP5 creates a backup of the error report to the same tape as the FTR backup file from **STEP5**.

STEP5A is executed if **STEP5** fails and deletes the backup from **STEP5**.

STEP6 creates a backup of the input file (**ACCTRANS**) and writes it to the same cartridge as the FTR and error file backups.

STEP6A executes if **STEP6** fails.

RUNCMD executes TANTIA Transfer FTR file to the FHA PeopleSoft server.

BTCHSAVE saves the completed job **SYSOUT** for future reference. This step is a standardized system routine and will not be further referenced or documented here.

4.7.7 Additional Runtime Information

There are no run stream job control statements that require modification.

A printed error report is generated by this run.

P13PA80D completes in approximately 10 minutes.

4.7.8 Input / Output Files

STEP1 files are:

Input – GHDP.GHDPBDWH.WAREHSE(0) – disk file
Output – P13P.FTR.A80D.ACCTRANS(+1) – sorted disk file

STEP2 files are:

Input – P13P.FTR.PARM(+MOSO) – disk file
P13P.FTR.IDB1(0) – disk file
P13P.FTR.F51.MASTER.DT990603 – disk file
P13P.FTR.ADPFUND.DT980910 – disk file
P13P.FTR.A80D.ACCTRANS(+1)

Output – P13P.FTR.A80D.FTR(+1) – 130 cylinder disk file
P13P.FTR.A80D.ERRPT(+1) – 1 cylinder disk file
P13P.FTR.A80D.ERRFILE(+1) – 1 cylinder disk file
P13P.FTR.A80D.BALRPT(+1) – 1 cylinder disk file

STEP3 files are:

Input / Output – P13P.FTR.A80D.ERRRPT(+1) – 1 cylinder disk file

STEP4 files are:

Input – P13P.FTR.A80D.FTR(+1) – 3 cylinder disk file
Output – P13P.FTR.A80D.FTRBKUP(+1) – tape

STEP5 files are:

Input – P13P.FTR.A80D.ERRRPT(+1) – 1 cylinder disk file
Output – P13P.FTR.A80D. ERPTBKUP(+1) – tape

STEP6 files are:

Input – P13P.FTR.A80D.ACCTRANS(+1) – 4 cylinder disk file
Output – P13P.FTR.A80D.ACCTBKUP(+1) – tape

RUNCMD TANTIA files are:

Input – P13P.FTR.A80D.FTR(+0) – 4 cylinder disk file
Output – 80d+YYYY+MM+DD.dat

4.7.9 Run Interrupt Checkpoints

This job may be interrupted without concern for job integrity. Reference **Section 2.7.12 Restart / Recovery Procedures**, for restart instructions.

4.7.10 Set-Up and Diagnostic Procedures

None.

4.7.11 Error Messages

STEP1 (SORT1) uses the IBM SORT utilities. Use the IBM manuals to research error messages generated by those steps.

STEP3 uses the IBM IEBGENER utility and the IBM manual should be used to research error messages.

STEP2 (STEP1) outputs a number of informational messages. Only the messages documented below require action by the operations staff.

Error Messages:

Error Message	Operations Response
Job ABEND with return code 12 with message INPUT FILE EMPTY	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message FIRST RECORD NOT A HEADER RECORD	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message INVALID ACCOUNT PERIOD DATE	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message INVALID TRANSACTION CODE	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message SECOND HEADER RECORD FOUND	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message RECORD TYPE MISSING	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message CASE NUMBER NOT SORTED	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message TRAILER COUNT AND AMOUNT FIELDS NOT EQUAL TO SUM OF THE L RECORDS'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'NO TRAILER RECORD FOUND'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'NO PARM DATE FOUND'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'PLEASE CHECK ERROR REPORT FOR EXPLANATION'	Notify primary on-call run support staff. Do not run subsequent jobs.

4.7.12 Restart / Recovery Procedures

In the event of a system or job failure, the following table describes procedures that should be taken by IT personnel. This procedure assumes that the failure occurred **during** the execution of the specified job step.

Job Step	IT Procedure
STEP2	Modify to restart in this job step.
STEP4	Modify to restart in this job step.
STEP5	Modify to restart in this job step.
STEP6	Modify to restart in this job step.
RUNCMD	Modify to restart in this job step.
BTCNSAVE	Notify primary on-call staff that SYSSOUT data normally saved by Step 3 is not available.

4.8 P13PA80N Schedule Information

4.8.1 Schedule IDs

Schedule IDs (SCHIDs) are a technique for defining variations in the scheduling requirements of jobs. These IDs are used on many of the screens within **CA-7** and with many of the commands to allow the user to accomplish processing with wide variations in what is required of a particular run.

Schedule IDs for the **P13PA80N** Application:

Schedule Type	SCHID Number	Definition
Schedule ID	TBD	Used to designate hour

Note: Boldface type means the Schedule ID is being used.

4.8.2 Monthly Dataset Triggered Jobs (SCHID xxx)

- **P13PA80N** is not triggered by a job.

4.8.3 When To Run

P13PA80N should be run on 2nd workday of every month at 9:00AM after successful completion of **P13PIDB**.

4.8.4 Dependencies

P13PA80N should be run after successful completion of:

- **Job P13PIDB**, which creates the input file **P13P.FTR.IDB1(0)**

Note: **GxxxxV00** indicates the latest GDG family member is to be selected.

4.8.5 P13PA80N Job Description

P13PA80N retrieves files from the Single Family Mortgage Notes – an AS400 server to the Hitachi Mainframe.

This monthly job is run on 2nd workday after successful completion of job **P13PIDB** on the Hitachi production system **HSYS**.

4.8.6 Job Steps

There are 12 job steps.

STEP0 Get file from HUDDW sever.

STEP1 sorts ACCTRANS input file.

STEP2 creates the FTR Transaction Build output files.

STEP2A only executes if **STEP2** fails.

STEP3 prints the error report.

STEP4 creates a backup of the FTR file created in **STEP2** on to tape.

STEP4A executes if **STEP4** fails and deletes the backup.

STEP5 copies the error report to the same tape where the FTR backup resides.

STEP5A executes if **STEP5** fails.

STEP6 backs up the input file to the same tape location.

STEP6A executes if STEP6 fails.

RUNCMD executes TANTIA Transfer FTR FHA file to PeopleSoft server.

BTCHSAVE saves the completed job **SYSOUT** for future reference. It is a standardized system routine that will not be further referenced or documented here.

4.8.7 Additional Runtime Information

There are no run stream job control statements that require modification.

The printed report generated by this run is the error report.

P13PA80N completes in approximately 10 minutes.

4.8.8 Input / Output Files

STEP0 files are:

Input – 80n+YYYY+MM01.dat – disk file

Output – P13P.FTR.A80N.ACCTRANS(+1) – disk file

STEP1 files are:

Input – P13P.FTR.A80N.ACCTRANS(+0) – disk file

Output – P13P.FTR.A80N.ACCTRANS(+0) – sorted disk file

STEP2 files are:

Input – P13P.FTR.PARM(+MOS) – disk file

P13P.FTR.A80N.ACCTRANS(+0)

P13P.FTR.IDB1(0) – disk file

P13P.FTR.F51.MASTER.DT990603 – disk file

P13P.FTR.ADPFUND.DT980910 – disk file

Output – P13P.FTR.A80N.FTR(+1) – 130 cylinder disk file

P13P.FTR.A80N.ERRPT(+1) – 1 cylinder disk file

P13P.FTR.A80N.ERRFILE(+1) – 1 cylinder disk file

P13P.FTR.A80N.BALRPT(+1) – 1 cylinder disk file

STEP3 files are:

Input / Output – P13P.FTR.A80N.ERRRPT(+1) – 1 cylinder disk file
STEP4 files are:

Input – P13P.FTR.A80N.FTR(+1) – 3 cylinder disk file
Output– P13P.FTR.A80N.FTRBKUP(+1) – Tape

STEP5 files are:

Input – P13P.FTR.A80N.ERRRPT(+1) – 1 cylinder disk file
Output– P13P.FTR.A80N.ERPTBKUP(+1) – Tape

STEP6 files are:

Input – P13P.FTR.A80N.ACCTRANS(+0) – 4 cylinder disk file
Output – P13P.FTR.A80N.ACCTBKUP(+1) – tape

RUNCMD TANTIA files are:

Input – P13P.FTR.A80N.FTR(+0) – 4 cylinder disk file
Output – 80n+YYYY+MM+DD.dat

4.8.9 Run Interrupt Checkpoints

This job may be interrupted without concern for job integrity. Reference **Section 2.8.12 Restart / Recovery Procedures**, for restart instructions.

4.8.10 Set-Up and Diagnostic Procedures

None.

4.8.11 Error Messages

STEP1 uses the IBM SORT utilities. Use the IBM manuals to research error messages generated by those steps.

STEP3 uses the IBM IEBGENER utility and the IBM manual should be used to research error messages.

STEP2 outputs a number of informational messages. Only the messages documented below require action by the operations staff.

Error Messages:

Error Message	Operations Response
Job ABEND with return code 12 with message INPUT FILE EMPTY	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message FIRST RECORD NOT A HEADER RECORD	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message INVALID ACCOUNT PERIOD DATE	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message INVALID TRANSACTION CODE	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message SECOND HEADER RECORD FOUND	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message RECORD TYPE MISSING	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message CASE NUMBER NOT SORTED	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message TRAILER COUNT AND AMOUNT FIELDS NOT EQUAL TO SUM OF THE L RECORDS'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'NO TRAILER RECORD FOUND'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'NO PARM DATE FOUND'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'PLEASE CHECK ERROR REPORT FOR EXPLANATION'	Notify primary on-call run support staff. Do not run subsequent jobs.

4.8.12 Restart / Recovery Procedures

In the event of a system or job failure, the following table describes procedures that should be taken by IT personnel. This procedure assumes that the failure occurred **during** the execution of the specified job step.

Job Step	IT Procedure
STEP2	Modify to restart in this step.
STEP4	Modify to restart in this step.
STEP5	Modify to restart in this step.
STEP6	Modify to restart in this step.
RUNCMD	Modify to restart in this step.
BTCHSAVE	Notify primary on-call staff that SYSOUT data normally saved by Step 3 is not available.

4.9 P13PA8NA Schedule Information

4.9.1 Schedule IDs

Schedule IDs (SCHIDs) are a technique for defining variations in the scheduling requirements of jobs. These IDs are used on many of the screens within **CA-7** and with many of the commands to allow the user to accomplish processing with wide variations in what is required of a particular run.

Schedule IDs for the **P13PA8NA** Application:

Schedule Type	SCHID Number	Definition
Schedule ID	TBD	Used to designate hour

Note: Boldface type means the Schedule ID is being used.

4.9.2 Monthly Dataset Triggered Jobs (SCHID xxx)

- **P13PA8NA** is not triggered by a job.

4.9.3 When To Run

P13PA8NA should be run monthly on the 2nd workday at 9:00AM after successful completion of **P13PIDB**.

4.9.4 Dependencies

P13PA8NA should be run after successful completion of:

- **Job P13PIDB**, which creates the input file **P13P.FTR.IDB1(0)**

Note: **GxxxxV00** indicates the latest GDG family member is to be selected.

4.9.5 P13PA8NA Job Description

P13PA8NA retrieves PARTCLAIMS files from the Single Family Mortgage Notes –an AS400 server to the Hitachi Mainframe.

This monthly job is run on 2nd workday monthly after successful completion of job **P13PIDB** on the Hitachi production system **HSYS**.

4.9.6 Job Steps

There are 12 job steps.

STEP0 Get file from HUDDW server.

STEP1 sorts ACCTRANS file.

STEP2 creates the FTR Transaction Build output files.

STEP2A only executes if STEP2 fails.

STEP3 prints the error report.

STEP4 creates a backup of the FTR file created in STEP2 on to tape.

STEP4A executes if STEP4 fails and deletes the backup.

STEP5 copies the error report to the same tape where the FTR backup resides.

STEP5A executes if STEP5 fails.

STEP6 backs up the input file to the same tape location.

STEP6A executes if STEP6 fails.

RUNCMD executes TANTIA Transfer FTR FHA file to PeopleSoft server.

BTCHSAVE saves the completed job **SYSOUT** for future reference. It is a standardized system routine that will not be further referenced or documented here.

4.9.7 Additional Runtime Information

There are no run stream job control statements that require modification.

The printed report generated by this run is the error report.

P13PA8NA completes in approximately 10 minutes.

4.9.8 Input / Output Files

STEP0 files are:

Input – 80na+YYYY+MM01.dat – disk file

Output – P13P.FTR.A80NA.ACCTRANS(+1) – disk file

STEP1 files are:

Input – P13P.FTR.A80NA.ACCTRANS(+0) – disk file

Output – P13P.FTR.A80NA.ACCTRANS(+0) – sorted disk file

STEP2 files are:

Input – P13P.FTR.PARM(+MOS) – disk file

P13P.FTR.A80NA.ACCTRANS(+0)

P13P.FTR.IDB1(0) – disk file

P13P.FTR.F51.MASTER.DT990603 – disk file

P13P.FTR.ADPFUND.DT980910 – disk file

Output – P13P.FTR.A80NA.FTR(+1) – 130 cylinder disk file

P13P.FTR.A80NA.ERRPT(+1) – 1 cylinder disk file

P13P.FTR.A80NA.ERRFILE(+1) – 1 cylinder disk file

P13P.FTR.A80NA.BALRPT(+1) – 1 cylinder disk file

STEP3 files are:

Input / Output – P13P.FTR.A80NA.ERRRPT(+1) – 1 cylinder disk file

STEP4 files are:

Input – P13P.FTR.A80NA.FTR(+1) – 3 cylinder disk file

Output – P13P.FTR.A80NA.FTRBKUP(+1) – Tape

STEP5 files are:

Input – P13P.FTR.A80NA.ERRRPT(+1) – 1 cylinder disk file

Output – P13P.FTR.A80NA.ERPTBKUP(+1) – Tape

STEP6 files are:

Input – P13P.FTR.A80NA.ACCTRANS(+0) – 4 cylinder disk file

Output – P13P.FTR.A80NA.ACCTBKUP(+1) – tape

RUNCMD TANTIA files are:

Input – P13P.FTR.A80NA.FTR(+0) – 4 cylinder disk file

Output – 80p+YYYY+MM+DD.dat

4.9.9 Run Interrupt Checkpoints

This job may be interrupted without concern for job integrity. Reference **Section 2.9.12 Restart / Recovery Procedures**, for restart instructions.

4.9.10 Set-Up and Diagnostic Procedures

None.

4.9.11 Error Messages

STEP1 uses the IBM SORT utilities. Use the IBM manuals to research error messages generated by those steps.

STEP3 uses the IBM IEBGENER utility and the IBM manual should be used to research error messages.

STEP2 outputs a number of informational messages. Only the messages documented below require action by the operations staff.

Error Messages:

Error Message	Operations Response
Job ABEND with return code 12 with message INPUT FILE EMPTY	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message FIRST RECORD NOT A HEADER RECORD	Notify primary on-call run support staff. Do not run subsequent jobs.

Job ABEND with return code 12 with message INVALID ACCOUNT PERIOD DATE	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message INVALID TRANSACTION CODE	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message SECOND HEADER RECORD FOUND	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message RECORD TYPE MISSING	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message CASE NUMBER NOT SORTED	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message TRAILER COUNT AND AMOUNT FIELDS NOT EQUAL TO SUM OF THE L RECORDS'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'NO TRAILER RECORD FOUND'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'NO PARM DATE FOUND'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'PLEASE CHECK ERROR REPORT FOR EXPLANATION'	Notify primary on-call run support staff. Do not run subsequent jobs.

4.9.12 Restart / Recovery Procedures

In the event of a system or job failure, the following table describes procedures that should be taken by IT personnel. This procedure assumes that the failure occurred **during** the execution of the specified job step.

Job Step	IT Procedure
STEP2	Modify to restart in this step.
STEP4	Modify to restart in this step.
STEP5	Modify to restart in this step.
STEP6	Modify to restart in this step.
RUNCMD	Modify to restart in this step.
BTCHSAVE	Notify primary on-call staff that SYSOUT data normally saved by Step 3 is not available.

4.10 P13PA80R Schedule Information

4.10.1 Schedule IDs

Schedule IDs (SCHIDs) are a technique for defining variations in the scheduling requirements of jobs. These IDs are used on many of the screens within **CA-7** and with many of the commands

to allow the user to accomplish processing with wide variations in what is required of a particular run.

Schedule IDs for the **P13PA80R** Application:

Schedule Type	SCHID Number	Definition
Schedule ID	TBD	Used to designate hour

Note: Boldface type means the Schedule ID is being used.

4.10.2 Monthly Dataset Triggered Jobs (SCHID xxx)

P13PA80R is scanned into the Request Queue when **A8RP.FSLA80RFDW.OUT(0)** is created.

4.10.3 When To Run

P13PA80R runs monthly.

4.10.4 Dependencies

P13PA80R should be run after successful completion of:

- Job **P13PIDB**, which creates the input file **P13P.FTR.IDB1(0)**
- Job **A8RPFDW**, which creates the input file **A8RP.FSLA80RFDW.OUT(0)**

Note: **GxxxxV00** indicates the latest GDG family member is to be selected.

4.10.5 P13PA80R Job Description

P13PA80R receives files from the Single Family Premium Collections Subsystem – Upfront (**A80R**), which collects and processes initial mortgage insurance premium payment data at the case level to create the Account Transaction Build (ATB).

This monthly job is triggered by successful completion of job **A8RPFDW** on the Hitachi production system **HSYS**.

4.10.6 Job Steps

There are 10 job steps.

STEP1 copies the input file to the P13P HLQ.

STEP2 creates the FTR Transaction Build output files.

STEP2A only executes if STEP2 fails.

STEP3 prints the error report.

STEP4 creates a backup of the FTR file created in STEP2 on to tape.

STEP4A executes if STEP4 fails and deletes the backup.

STEP5 copies the error report to the same tape where the FTR backup resides.

STEP5A executes if STEP5 fails.

STEP6 backs up the input file to the same tape location.

STEP6A executes if STEP6 fails.

RUNCMD executes TANTIA Transfer FTR FHA File to PeopleSoft server.

BTCHSAVE saves the completed job **SYSOUT** for future reference. It is a standardized system routine that will not be further referenced or documented here.

4.10.7 Additional Runtime Information

There are no run stream job control statements that require modification.

The printed report generated by this run is the error report.

P13PA80R completes in approximately 10 minutes.

4.10.8 Input / Output Files

STEP1 files are:

Input – A8RP.FSI.A80RFDW(0) – disk file

Output – P13P.FTR.A80R.ACCTRANS(+1) – sorted disk file

STEP2 files are:

Input – P13P.FTR.PARM(+MOS) – disk file

P13P.FTR.A80R.ACCTRANS(+1)

P13P.FTR.IDB1(0) – disk file

P13P.FTR.F51.MASTER.DT990603 – disk file

P13P.FTR.ADPFUND.DT980910 – disk file

Output – P13P.FTR.A80R.FTR(+1) – 130 cylinder disk file

P13P.FTR.A80R.ERRRPT(+1) – 1 cylinder disk file

P13P.FTR.A80R.ERRFILE(+1) – 1 cylinder disk file

P13P.FTR.A80R.BALRPT(+1) – 1 cylinder disk file

STEP3 files are:

Input / Output – P13P.FTR.A80R.ERRRPT(+1) – 1 cylinder disk file

STEP4 files are:

Input – P13P.FTR.A80R.FTR(+1) – 3 cylinder disk file

Output – P13P.FTR.A80R.FTRBKUP(+1) – Tape

STEP5 files are:

Input – P13P.FTR.A80R.ERRRPT(+1) – 1 cylinder disk file

Output – P13P.FTR.A80R.ERPTBKUP(+1) – Tape

STEP6 files are:

Input – P13P.FTR.A80R.ACCTRANS(+1) – 4 cylinder disk file

Output – P13P.FTR.A80R.ACCTBKUP(+1) – tape

RUNCMD TANTIA files are:

Input – P13P.FTR.A80R.FTR(+0) – 4 cylinder disk file

Output – 80r+YYYY+MM+DD.dat

4.10.9 Run Interrupt Checkpoints

This job may be interrupted without concern for job integrity. Reference **Section 2.10.12 Restart / Recovery Procedures**, for restart instructions.

4.10.10 Set-Up and Diagnostic Procedures

None.

4.10.11 Error Messages

STEP1 uses the IBM SORT utilities. Use the IBM manuals to research error messages generated by those steps.

STEP3 uses the IBM IEBGENER utility and the IBM manual should be used to research error messages.

STEP2 outputs a number of informational messages. Only the messages documented below require action by the operations staff.

Error Messages:

Error Message	Operations Response
Job ABEND with return code 12 with message INPUT FILE EMPTY	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message FIRST RECORD NOT A HEADER RECORD	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message INVALID ACCOUNT PERIOD DATE	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message INVALID TRANSACTION CODE	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message SECOND HEADER RECORD FOUND	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message RECORD TYPE MISSING	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message CASE NUMBER NOT SORTED	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message TRAILER COUNT AND AMOUNT FIELDS NOT EQUAL TO SUM OF THE L RECORDS'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'NO TRAILER RECORD FOUND'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'NO PARM DATE FOUND'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'PLEASE CHECK ERROR REPORT FOR EXPLANATION'	Notify primary on-call run support staff. Do not run subsequent jobs.

4.10.12 Restart / Recovery Procedures

In the event of a system or job failure, the following table describes procedures that should be taken by IT personnel. This procedure assumes that the failure occurred **during** the execution of the specified job step.

Job Step	IT Procedure
STEP2	Modify to restart in this step.
STEP4	Modify to restart in this step.
STEP5	Modify to restart in this step.
STEP6	Modify to restart in this step.
BTCHSAVE	Notify primary on-call staff that SYSOUT data normally saved by Step 3 is not available.

4.11 P13PA80S Schedule Information

4.11.1 Schedule IDs

Schedule IDs (SCHIDs) are a technique for defining variations in the scheduling requirements of jobs. These ID's are used on many of the screens within CA-7 and with many of the commands to allow the user to accomplish processing with wide variations in what is required of a particular run.

Schedule IDs for the **P13PA80S** Application:

Schedule Type	SCHID Number	Definition
Schedule ID	TBD	Used to designate hour

Note: Boldface type means the Schedule ID is being used.

4.11.2 Monthly DATASET TRIGGERED JOBS (SCHID xxx)

P13PA80S is scanned into the Request Queue when **A8SP.PSAMS.A8SPH.A8SPFSI1.PRE(0)** is created.

4.11.3 When To Run

P13PA80S runs monthly.

4.11.4 Dependencies

P13PA80S should be run after successful completion of:

- **Job P13PIDB**, which creates the input file **P13P.FTR.IDB1(0)**
- **Job A8SPPCRO**, which creates the input file **A8SP.PSAMS.A8SPH.A8SPFSI1.PRE(0)**

Note: **GxxxxV00** indicates the latest GDG family member is to be selected.

4.11.5 P13PA80S Job Description

P13PA80S receives files from the Single Family Acquired Asset Management System (**A80S**), which records all data associated with the daily maintenance of Single Family property cases for which FHA takes over the property.

This job is triggered by the receipt of the file **A8SP.PSAMS.A8SPH.A8SPFSI1.PRE(0)**.

4.11.6 Job Steps

There are 10 job steps.

STEP1 copies the input file to a P13P HLQ.

STEP2 creates the FTR Transaction Build output files.

STEP2A is executed if **STEP2** fails.

STEP3 prints the error report.

STEP4 creates a backup of the FTR file on to a tape.

STEP4A executes if **STEP4** fails.

STEP5 creates the error report backup on to the same tape as the FTR backup created in **STEP4**.

STEP5A executes if **STEP5** fails.

STEP6 creates a backup of the input file to the same tape as above backup files.

STEP6A executes if **STEP6** fails.

RUNCMD executes TANTIA Transfer FTR FHA files to PeopleSoft server.

BTCHSAVE step saves the completed job **YSOUT** for future reference. It is a standardized system routine and will not be further referenced or documented here.

4.11.7 Additional Runtime Information

There are no run stream job control statements require modification.

The printed report generated by this run is the error report.

P13DA80S completes in approximately 10 minutes.

4.11.8 Input / Output Files

STEP1 files are:

Input – A8SP.PSAMS.A8SPH.A8SPFSI1.PRE(0) – Disk file
Output – P13P.FTR.A80S.ACCTRANS(+1) – Sorted disk file

STEP2 files are:

Input – P13P.FTR.PARM(+MOS) – disk file
P13P.FTR.A80S.ACCTRANS(+1)
P13P.FTR.IDB1(0) – disk file
P13P.FTR.F51.MASTER.DT990603 – disk file
P13P.FTR.ADPFUND.DT980910 – disk file

Output – P13P.FTR.A80S.FTR(+1) – 130 cylinder disk file
P13P.FTR.A80S.ERRPT(+1) – 1 cylinder disk file
P13P.FTR.A80S.ERRFILE(+1) – 1 cylinder disk file
P13P.FTR.A80S.BALRPT(+1) – 1 cylinder disk file

STEP3 files are:

Input / Output – P13P.FTR.A80S.ERRRPT(+1) – 1 cylinder disk file

STEP4 files are:

Input – P13P.FTR.A80S.FTR(+1) – 3 cylinder disk file
Output – P13P.FTR.A80S.FTRBKUP(+1) – tape

STEP5 files are:

Input – P13P.FTR.A80S.ERRRPT(+1) – 1 cylinder disk file

Output – P13P.FTR.A80S. ERPTBKUP(+1) – tape

STEP6 files are:

Input – P13P.FTR.A80S.ACCTRANS(+1) – 4 cylinder disk file

Output – P13P.FTR.A80S. ACCTBKUP(+1) – tape

RUNCMD TANTIA files are:

Input – P13P.FTR.A80S.FTR(+0) – 4 cylinder disk file

Output – 80s+YYYY+MM+DD.dat

4.11.9 Run Interrupt Checkpoints

This job may be interrupted without concern for job integrity. Reference **Section 2.11.12 Restart / Recovery Procedures**, for restart instructions.

4.11.10 Set-Up and Diagnostic Procedures

None.

4.11.11 Error Messages

STEP1 uses the IBM SORT utilities. Use the IBM manuals to research error messages generated by those steps.

STEP3 uses the IBM IEBGENER utility and the IBM manual should be used to research error messages.

STEP2 outputs a number of informational messages. Only the messages documented below require action by the operations staff.

Errors Messages:

Error Message	Operations Response
Job ABEND with return code 12 with message INPUT FILE EMPTY	Notify primary on-call run support staff. Do not run subsequent jobs.

Job ABEND with return code 12 with message FIRST RECORD NOT A HEADER RECORD	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message INVALID ACCOUNT PERIOD DATE	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message INVALID TRANSACTION CODE	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message SECOND HEADER RECORD FOUND	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message RECORD TYPE MISSING	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message CASE NUMBER NOT SORTED	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message TRAILER COUNT AND AMOUNT FIELDS NOT EQUAL TO SUM OF THE L RECORDS'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'NO TRAILER RECORD FOUND'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'NO PARM DATE FOUND'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'PLEASE CHECK ERROR REPORT FOR EXPLANATION'	Notify primary on-call run support staff. Do not run subsequent jobs.

4.11.12 Input / Output Files

In the event of a system or job failure, the following table describes IT personnel procedures. The procedure assumes that the failure occurred **during** the execution of the specified job step.

Job Step	IT Procedure
STEP2	Modify to restart in this step.
STEP4	Modify to restart in this step.
STEP5	Modify to restart in this step.
STEP6	Modify to restart in this step.
BTCHSAVE	Notify primary on-call staff that SYSO data normally saved by Step 3 is not available.

4.12 P13PRE8S Schedule Information

4.12.1 Schedule IDs

Schedule IDs (SCHIDs) are a technique for defining variations in the scheduling requirements of jobs. These ID's are used on many of the screens within CA-7 and with many of the commands to allow the user to accomplish processing with wide variations in what is required of a particular run.

Schedule IDs for the **P13PRE8S** Application:

Schedule Type	SCHID Number	Definition
Schedule ID	TBD	Used to designate hour

Note: Boldface type means the Schedule ID is being used.

4.12.2 Monthly DATASET TRIGGERED JOBS (SCHID xxx)

P13PRE8S is scanned into the Request Queue when **A8SP.PSAMS.A8SPH.A8SPFSI1.OUT (0)** is created.

4.12.3 When To Run

P13PRE8S runs monthly.

4.12.4 Dependencies

P13PRE8S should be run after successful completion of:

- **Job A8SPAFTR**, which creates the input file **A8SP.PSAMS.A8SPH.A8SPFSI1.OUT (0)**

Note: **GxxxxV00** indicates the latest GDG family member is to be selected.

4.12.5 P13PRE8S Job Description

P13PRE8S receives files from the Single Family Acquired Asset Management System (**A80S**), which records all data associated with the daily maintenance of Single Family property cases for which FHA takes over the property..

4.12.6 Job Steps

There are 2 job steps.

STEP1 copies the input file to a P13P HLQ.

STEP2 executes P13B6PDC program.

RUNCMD executes TANTIA.

BTCHSAVE step saves the completed job **YSOUT** for future reference. It is a standardized system routine and will not be further referenced or documented here.

4.12.7 Additional Runtime Information

There are no run stream job control statements require modification.

The printed report generated by this run is the error report.

P13PRE8S completes in approximately 10 minutes.

4.12.8 Input / Output Files

STEP1 files are:

Input – A8SP.PSAMS.A8SPH.A8SPFSI1.OUT(0)– Disk file

Output – P13P.PREFTR.A80S.ACCTRANS(+1)– disk file

STEP2 files are:

Input – P13P.PREFTR.A80S.ACCTRANS(+1)– disk file

Output – P13P.PREFTR.A80S.FTR(+1)– disk file

4.12.9 Run Interrupt Checkpoints

This job may be interrupted without concern for job integrity. Reference **Section 2.12.12 Restart / Recovery Procedures**, for restart instructions.

4.12.10 Set-Up and Diagnostic Procedures

None.

4.12.11 Error Messages

STEP1 uses the IBM SORT utilities. Use the IBM manuals to research error messages generated by those steps.

4.12.12 Input / Output Files

In the event of a system or job failure, the following table describes IT personnel procedures. The procedure assumes that the failure occurred **during** the execution of the specified job step.

Job Step	IT Procedure
STEP2	Modify to restart in this step.
RUNCMD	Modify to restart in this step.
BTCHSAVE	Notify primary on-call staff that SYSO UT data normally saved by Step 3 is not available.

4.13 P13PF12P Schedule Information

4.13.1 Schedule IDs

Schedule IDs (SCHIDs) are a technique for defining variations in the scheduling requirements of jobs. These IDs are used on many of the screens within **CA-7** and with many of the commands to allow the user to accomplish processing with wide variations in what is required of a particular run.

Schedule IDs for the **P13PF12P** Application:

Schedule Type	SCHID Number	Definition
Schedule ID	TBD	Used to designate hour

Note: Boldface type means the Schedule ID is being used.

4.13.2 Monthly Dataset Triggered Jobs (SCHID xxx)

P13PF12P is scanned into the Request Queue when **P13P.FIN.F12P.ACCTRANS.Dccyymm** is created.

4.13.3 When To Run

P13PF12P runs monthly.

4.13.4 Dependencies

P13PF12P should be run after successful completion of:

- **Job P13PIDB**, which creates the input file **P13P.FTR.IDB1(0)**
- **Job F12PMSA**, which creates the input file **P13P.FIN.F12P.ACCTTRANS.Dccyymm**

Note: **GxxxxV00** indicates the latest GDG family member is to be selected.

4.13.5 P13PF12P Job Description

P13PF12P receives files from the Home Equity Conversion Mortgage (HECM) System, which supports the management, accounting, and collection of premiums for FHA Home Equity Conversion (Reverse) Mortgage cases. Through this program, a reverse mortgage allows elderly homeowners to use the equity in their home for income.

This job is triggered by the receipt of file **P13P.FIN.F12P.ACCTTRANS.Dccyymm**

4.13.6 Job Steps

There are 10 job steps.

STEP1 copies the input file to a P13P HLQ.

STEP2 creates the FTR Transaction Build output files.

STEP2A executes if **STEP2** fails.

STEP3 prints the error report.

STEP4 creates a backup of the FTR file onto a tape.

STEP4A executes if **STEP4** fails and deletes the backup.

STEP5 creates a backup of the error report to the same tape as the FTR backup in **STEP4**.

Step5A executes if STEP5 fails.

STEP6 creates a backup of the input (**ACCTRANS**) file and writes it to the same tape as the above backups.

STEP6A executes if step6 fails.

RUNCMD executes TANTIA **Transfer FTR FHA** files to PeopleSoft server.

BTCHSAVE saves the completed job **SYSOUT** for future reference. It is a standardized system routine and will not be further referenced or documented here.

4.13.7 Additional Runtime Information

There are no run stream job control statements require modification.

The printed report generated by this run is the error report.

P13PF12 completes in approximately 10 minutes.

4.13.8 Input / Output Files

STEP1 files are:

Input – P13P.FTR.F12P.ACCTRANS.Dccyymm – 52 cylinder disk file

Output – P13P.FTR.F12P.ACCTRANS(+1) – 52 cylinder disk file

STEP2 files are:

Input – P13P.FTR.PARM(+0) – disk file

P13P.FTR.F12P.ACCTRANS(0)– 52 cylinder disk file

P13P.FTR.IDB1(0) – 2500 cylinder disk file

P13P.FTR.F51.MASTER.DT990603 – 1 cylinder disk file

P13P.FTR.ADPFUND.DT980910 – 1 cylinder disk file

Output – P13P.FTR.F12.FTR(+1) – 89 cylinder disk file

P13P.FTR.F12.ERRPT(+1) – 1 cylinder disk file

P13P.FTR.F12.ERRFILE(+1) – 1 cylinder disk file

P13P.FTR.F12.BALRPT(+1) – 1 cylinder disk file

STEP3 files are:

Input – P13P.FTR.F12P.ERRRPT(+1) – 1 cylinder disk file

STEP4 files are:

Input – P13P.FTR.F12P.FTR(+1) – 89 cylinder disk file

Output – P13P.FTR.F12P.FTRBKUP(+1) – tape

STEP5 files are:

Input – P13P.FTR.F12P.ERRRPT(+1), – disk file

Output – P13P.FTR.F12P.ERPTBKUP(+1) – tape

STEP6 files are:

Input – P13P.FTR.F12P.ACCTRANS (+1) – 52 cylinder disk file

Output – P13P.FTR.F12P.ACCTBKUP(+1) – tape

RUNCMD TANTIA files are:

Input – P13P.FTR.F12P.FTR(+0) – 4 cylinder disk file

Output – f12+YYYY+MM+DD.dat

4.13.9 Run Interrupt Checkpoints

This job may be interrupted without concern for job integrity. Reference **Section 2.13.12 Restart / Recovery Procedures**, for restart instructions.

4.13.10 Set-Up and Diagnostic Procedures

None.

4.13.11 Error Messages

STEP1 uses the IBM SORT utilities. Use the IBM manuals to research error messages generated by those steps.

STEP3 uses the IBM IEBGENER utility and the IBM manual should be used to research error messages.

STEP2 outputs a number of informational messages. Only the messages documented below require action by the operations staff.

Error Messages:

Error Message	Operations Response
Job ABEND with return code 12 with message INPUT FILE EMPTY	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message FIRST RECORD NOT A HEADER RECORD	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message INVALID ACCOUNT PERIOD DATE	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message INVALID TRANSACTION CODE	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message SECOND HEADER RECORD FOUND	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message RECORD TYPE MISSING	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message CASE NUMBER NOT SORTED	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message TRAILER COUNT AND AMOUNT FIELDS NOT EQUAL TO SUM OF THE L RECORDS'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'NO TRAILER RECORD FOUND'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'NO PARM DATE FOUND'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'PLEASE CHECK ERROR REPORT FOR EXPLANATION'	Notify primary on-call run support staff. Do not run subsequent jobs.

4.13.12 Restart / Recovery Procedures

In the event of a system or job failure, the following table describes procedures that should be taken by IT personnel. These procedures assume that the failure occurred **during** the execution of the specified job step.

Job Step	IT Procedure
STEP2	Modify to restart in this step.
STEP4	Modify to restart in this step.
STEP5	Modify to restart in this step.
STEP6	Modify to restart in this step.
BTCHSAVE	Notify primary on-call staff that SYSOUT data normally saved by Step 3 is not available.

4.14 P13PEX43 Schedule Information

4.14.1 Schedule IDs

Schedule IDs (SCHIDs) are a technique for defining variations in the scheduling requirements of jobs. These IDs are used on many of the screens within **CA-7** and with many of the commands to allow the user to accomplish processing with wide variations in what is required of a particular run.

Schedule IDs for the **P13PEX43** Application:

Schedule Type	SCHID Number	Definition
Schedule ID	TBD	Used to designate hour

Note: Boldface type means the Schedule ID is being used.

4.14.2 Monthly Dataset Triggered Jobs (SCHID xxx)

Not Applicable. **P13PEX43** is not triggered by a dataset.

4.14.3 When To Run

P13PEX43 runs monthly.

4.14.4 Dependencies

P13PEX43 should run after successful completion of:

- Job GHASBMGC which creates tape file GHAS.RAMISCPY.A43BEB1(+1)
- **Job P13PIDB.** Both jobs P13PIDB and P13PEX43 read GHAS.RAMISCPY.A43BEB1(0). P13PIDB is currently a dependency of job GHASBMGC. Therefore, to prevent job scheduling conflict and data set contention, P13PEX43 must run after P13PIDB.

4.14.5 P13PEX43 Job Description

Program **P13BEX43** reads the A43 tape dataset GHAS.RAMISCPY.A43BEB1(0) to create an extract file of records whose original process date (GHAS-ENDORSE-PROC-DATE-8) is greater than '20030930'.

When the end-of-file has been detected, P13BEX43 displays the number of input records read, the number of input records selected and the number of A43BEB1 extract records written.

Once the A43BEB1 extract file is created, it is downloaded to the FHASL PeopleSoft client-server environment via TANTIA software for continued processing within the Credit Subsidy Control System (CSCS). The extract file provides the CSCS with credit subsidy data for Single Family transactions.

4.14.6 Job Steps

There are 4 job steps.

STEP1 creates the A43BEB1 extract file as a generation data group (GDG) on disk.

STEP1A is executed **only if STEP1 fails**. STEP1A executes the IEFBR14 utility to delete the (+1) generation of the new A43BEB1 extract file created in STEP1.

RUNCMD executes TANTIA to transfer the A43BEB1 extract file to the FHA PeopleSoft server.

BTCHSAVE saves the completed job **SYSOUT** for future reference. It is a standardized system routine that will not be further referenced or documented here.

4.14.7 Additional Runtime Information

There are no run stream job control statements.

Errors generated by this run are reported in the **SYSOUT**.

On HSYS, the successful completion of job **P13PIDB** triggers production job **P13PEX43**.

P13PEX43 completes in approximately 1 hour.

4.14.8 Input / Output Files

STEP1 files are:

Input – GHAS.RAMISCPY.A43BEB1(0) – tape file

Output – P13P.A43BEB1.CSC.EXTRACT(+1) – disk file requiring approximately 32 cylinders

RUNCMD TANTIA files are:

Input -- P13P.A43BEB1.CSC.EXTRACT(+1) -- 32 cylinder disk file

Output – a43+YYYY+MM+DD.DA1

4.14.9 Run Interrupt Checkpoints

This job may be interrupted without concern for job integrity. Reference **Section 2.14.12, Restart / Recovery Procedures**, for restart instructions.

4.14.10 Set-Up and Diagnostic Procedures

None.

4.14.11 Error Messages

STEP1 outputs a number of informational messages. Only the messages documented below require action by the operations staff.

Error Messages:

ERROR MESSAGE	Operations Response
JOB FAILS WITH RETURN CODE 12 AND DISPLAYS MESSAGE INPUT A43BEB1 FILE EMPTY	Input data error -- Notify primary on-call programmer. There are no subsequent jobs.

4.14.12 Restart / Recovery Procedures

In the event of a system or job failure, the following table describes procedures that should be taken by IT personnel. These procedures assume that the failure occurred **during** the execution of the specified job step.

Job Step	IT Procedure
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STEP1	Resubmit JCL for execution.
RUNCMD	Modify job card to restart in this job step.
BTCHSAVE	This depends on what happened during execution of job P13PEX43. If the BTCHSAVE step was executed successfully (return-code of zero) -- the output from BTCHSAVE is available.

5.0 P013 MULTIFAMILY RUN INFORMATION

5.1 P13PF47 Schedule Information

5.1.1 Schedule IDs

Schedule IDs (SCHIDs) are a technique for defining variations in the scheduling requirements of jobs. These IDs are used on many of the screens within **CA-7** and with many of the commands to allow the user to accomplish processing with wide variations in what is required of a particular run.

Schedule IDs for the **P13PF47** Application:

Schedule Type	SCHID Number	Definition
Schedule ID	TBD	Used to designate hour

Note: Boldface type means the Schedule ID is being used.

5.1.2 Monthly Dataset Triggered Jobs (SCHID xxx)

P13PF47 is scanned into the Request Queue when **GH#.GHAN.F47FHSV** is updated.

5.1.3 When To Run

P13PF47 runs monthly.

5.1.4 Dependencies

P13PF47 should be run after successful completion of:

- **Jobs GHANBHS1 and GHANBHS2**, which creates the input file **GH#.GHAN.F47FHSV**
- **Job GHANBF90**, which creates the input file **GHAN.F47BF90.EXTRACT.G00nnV00**

Note: **GxxxxV00** indicates the latest GDG family member is to be selected.

5.1.5 P13PF47 Job Description

This job reads the Multifamily History file and builds an extract file based on the accounting period specified in the input parameter card. The extract file is used as input for the **Accounting Transaction Build** program which then creates an output file of case-level accounting information for a specific accounting period.

The output file consists of three types of records. The Header record has the system identifiers and accounting period. The Line records have the case-level accounting information. The Trailer record has the number of Line records on the file and the sum of the transactions.

This monthly job runs on the Hitachi production system **HSYS** and creates the FTR file that is loaded onto the PeopleSoft server platform for input to the FTR Interface Translation process.

Monthly update of the **GH#GHAN.F47FHSV** VSAM file must precede the production job **P13PF47**.

5.1.6 Job Steps

There are 13 job steps.

STEP1 extracts file from the source system.

STEP2 builds the account transaction.

STEP3 creates a generation file from the extract error report in STEP1

STEP4 creates a generation file from the account transaction build error report in STEP2

STEP5 creates a backup tape copy of the FTR file output in STEP2.

STEP5A deletes the backup tape copy if STEP5 was not successful.

STEP6 copies the error report from the extract process in STEP1 to a backup tape, the same one that the FTR output file was put on in STEP5.

STEP6A executes if STEP6 was not successful, by deleting the backup error report.

STEP7 copies the error report from the extract process in STEP2 to a backup tape, the same one that the FTR output file was put on in STEP5.

STEP7A executes if STEP7 was not successful, by deleting the backup error report.

STEP8 creates a backup tape copy of the source system extract file (**ACCTRANS**) created in **STEP1**.

STEP8A is executed if **STEP8** fails and deletes the backup source system extract created in **STEP8**.

RUNCMD executes **TANTIA Transfer FTR FHA** files to PeopleSoft server.

BTCHSAVE saves the completed job **SYSOUT** for future reference. This step is a standardized system routine and will not be further referenced or documented here.

5.1.7 Additional Runtime Information

There are no run stream job control statements.

There are no printed reports generated by this run.

The **P13PF47** completes in approximately 10 minutes.

5.1.8 Input / Output Files

STEP1 files are:

Input – P13P.FTR.PARM(+0) – disk file
GH#.GHAN.F47FHSV – 499 cylinder VSAM disk file

Output – P13P.FTR.F47.ACCTRANS(+1) – 4 cylinder disk file
P13P.FTR.F47.XERRRPT(+1) – 1 cylinder disk file

STEP2 files are:

Input – P13P.FTR.PARM(+0) – Disk file
P13P.FTR.F47.ACCTRANS(+1) – 4 cylinder disk file
GHAN.F47BF90.EXTRACT.G000nV00 – 32 cylinder disk file

Output – P13P.FTR.F47.FTR(+1) – 3 cylinder disk file
P13P.FTR.AF47B.ERRPT(+1) – 1 cylinder disk file

STEP3 files are:

Input – P13P.FTR.F47.XERRRPT(+1) – 1 cylinder disk file from **STEP1**

Output – P13P.FTR.F47.XERRRPT(+1) – 1 cylinder disk file

STEP4 files are:

Input – P13P.FTR.F47.ERRRRPT(+1) – 1 cylinder disk file from STEP2

Output – P13P.FTR.F47.ERRRRPT(+1) – 1 cylinder disk file

STEP5 files are:

Input – P13P.FTR.F47.FTR(+1) – 3 cylinder disk file from STEP2

Output – P13P.FTR.F47.FTRBKP(+1) – tape

STEP6 files are:

Input – P13P.FTR.F47.XERRRPT(+1) – 1 cylinder disk file from STEP1

Output – P13P.FTR.F47.XERPTBKP(+1) – tape

STEP7 files are:

Input – P13P.FTR.F47.ERRRRPT(+1) – 1 cylinder disk file from STEP2

Output – P13P.FTR.F47.ERPTBKP(+1) – tape

STEP8 files are:

Input – P13P.FTR.F47.ACCTRANS(+1) – 4 cylinder disk file from STEP1

Output – P13P.FTR.F47.ACCTBKP(+1) – tape

RUNCMD TANTIA files are:

Input – P13P.FTR.F47.FTR(+0) – 4 cylinder disk file

Output – f47+YYYY+MM+DD.dat

5.1.9 Run Interrupt Checkpoints

This job may be interrupted without concern for job integrity. Reference **Section 3.1.12 Restart / Recovery Procedures**, for restart instructions.

5.1.10 Set-Up and Diagnostic Procedures

None.

5.1.11 Error Messages

STEP3 through STEP8 use common IBM utilities. Use the IBM manuals to research error messages generated by these steps.

STEP1 and STEP2 output a number of informational messages. Only the messages documented below require action by the operations staff.

Error Messages:

	ERROR MESSAGE	Operations Response
STEP1	Job ABEND with return code 10 with message "*****FATAL ERROR *****" "Parm Card Date Incorrect"	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP1	Job ABEND with return code 12 with message "*****FATAL ERROR *****" "Error Reading History File"	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP1	Job ABEND with return code 15 with message "*****FATAL ERROR *****" "Error Reading History File"	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message "*****FATAL ERROR *****" "EOF on 1 st Read – File Empty"	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message "*****FATAL ERROR *****" "Input Acct Pd not= Parm Acct Pd"	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	SYSOUT Display: BF90 count limit is 60000. Please contact programmer when BF90 count > 59000.	Notify primary on-call run support staff.

5.1.12 Restart / Recovery Procedures

In the event of a system or job failure, the following table describes procedures that should be taken by IT personnel. These procedures assume that the failure occurred **during** the execution of the specified job step.

Job Step	IT Procedure
STEP1	Resubmit JCL for execution.
STEP2	Modify to restart in this job step.
STEP3	Modify to restart in this job step.
STEP4	Modify to restart in this job step.
STEP5	Modify to restart in this job step.
STEP6	Modify to restart in this job step.
STEP7	Modify to restart in this job step.
STEP8	Modify to restart in this job step.
BTCHSAVE	Notify primary on-call staff that SYSOUT data normally saved by Step 3 is not available.

6.0 P013 TITLE 1 RUN INFORMATION

6.1 P13PF71 Schedule Information

6.1.1 Schedule IDs

Schedule IDs (SCHIDs) are a technique for defining variations in the scheduling requirements of jobs. These IDs are used on many of the screens within **CA-7** and with many of the commands to allow the user to accomplish processing with wide variations in what is required of a particular run.

Schedule IDs for the **P13PF71** Application:

Schedule Type	SCHID Number	Definition
Schedule ID	TBD	Used to designate hour

Note: Boldface type means the Schedule ID is being used.

6.1.2 Monthly Dataset Triggered Jobs (SCHID xxx)

P13PF71 is scanned into the Request Queue when **P13P.FIN.F71.ACCTRANS.Dccyymm** is created.

6.1.3 When To Run

P13PF71 runs monthly.

6.1.4 Dependencies

P13PF71 should be run after successful completion of:

- **Job F71PNT3**, which creates the input file **P13P.FIN.F71.ACCTRANS.Dccyymm**

Note: **GxxxxV00** indicates the latest GDG family member is to be selected.

6.1.5 P13PF71 Job Description

P13PF71 receives files from the Title I Notes Servicing - Debt Collection and Asset Management System (**F71**), which supports Title I defaulted property improvement and mobile home loans that have been assigned to FHA by the lender after payment of the Title I insurance claim. The system also contains all information, including financial data on the claim.

This monthly job is triggered by receipt of file **P13P.FTR.F71.ACCTRANS Dccyymm**.

6.1.6 Job Steps

There are 10 job steps.

STEP1 copies the input file to a P13P HLQ.

STEP2 creates the FTR Transaction Build output file.

STEP2A executes if STEP2 fails.

STEP3 prints the error report.

STEP4 creates a backup of the FTR file to a tape.

STEP4A executes if STEP4 fails.

STEP5 creates a backup of the error report onto the same tape as the FTR backup file from STEP4.

STEP5A executes if STEP5 fails.

STEP6 creates a backup of the input (**ACCTRANS**) file.

STEP6A executes if STEP6 fails.

RUNCMD executes TANTIA transfer FTR FHA files to PeopleSoft server.

BTCHSAVE saves the completed job **SYSOUT** for future reference. It is standardized system routine and will not be further referenced or documented here.

6.1.7 Additional Runtime Information

There are no run stream job control statements.

The printed report generated by this run is the error report.

P13PF71 completes in approximately 10 minutes.

6.1.8 Input / Output Files

STEP1 files are:

Input – P13P.FTR.F71.ACCTRANS . Dccyymm – 4 cylinder disk file

Output – P13P.FTR.F71.ACCTRANS(+1) – 4 cylinder disk file

STEP2 files are:

Input – P13P.FTR.F71.ACCTRANS(+0) – disk file

Output – P13P.FTR.F71.FTR(+0)

P13P.FTR.F71.ERRPT(+0)

P13P.FTR.F71.ERRFILE(+0)

STEP3 files are:

Input / Output – P13P.FTR.F71.ERRRPT(+1) – 1 cylinder disk file

STEP4 files are:

Input – P13P.FTR.F71.FTR(+1) – 3 cylinder disk file

Output – P13P.FTR.F71.FTRBKUP(+1) – tape

STEP5 files are:

Input – P13P.FTR.F71.ERRRPT(+1) – 1 cylinder disk file

Output – P13P.FTR.F71.ERPTBKUP(+1) – tape

STEP6 files are:

Input – P13P.FTR.F71.ACCTRANS(+1) – 4 cylinder disk file

Output – P13P.FTR.F71.ACCTBKUP(+1) – tape

RUNCMD TANTIA files are:

Input – P13P.FTR.F71.FTR(+0) – 4 cylinder disk file

Output – f71+YYYY+MM+DD.dat

6.1.9 Run Interrupt Checkpoints

This job may be interrupted without concern for job integrity. Reference **Section 4.1.12 Restart / Recovery Procedures**, for restart instructions.

6.1.10 Set-Up and Diagnostic Procedures

None.

6.1.11 Error Messages

STEP1 and STEP3 through STEP6 use common IBM utilities. Use the IBM manuals to research error messages generated by these steps.

STEP2 output a number of informational messages. Only the messages documented below require action by the operations staff.

Error Messages:

	ERROR MESSAGE	Operations Response
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “File Empty – No Rcds”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Invalid Record Type in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Invalid System ID in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Invalid Trans Code in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Invalid Acct Period in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Century not = 19 or 20 in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.

	ERROR MESSAGE	Operations Response
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Invalid Acct Period Month in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Invalid Date Stamp in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Date(Year) Stamp Invalid in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Date(Month) Stamp Invalid in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Date(Day) Stamp Invalid in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Colon Missing from Date/Time Stamp in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Time of Datetime Stamp Invalid in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “No Detail/Trailer Record Encountered”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Invalid Record Type in Detail Line”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Transaction Amount-1 not numeric”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “No period in Transaction Amount”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Transaction Amount-2 not numeric”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Invalid Record Type in Trailer”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Number of Records in Trailer not Numeric”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Total Detail Rcds not = Trailer TTL”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Trailer Debit Amount not Numeric”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Trailer Credit Amount not Numeric”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Trailer Debit Amount Does not Match Credit Amount”	Notify primary on-call run support staff. Do not run subsequent jobs.

	ERROR MESSAGE	Operations Response
STEP2	Job ABEND with return code 12 with message "*****FATAL ERROR *****" "Running DBT or CRD Totals do not Match Trailer"	Notify primary on-call run support staff. Do not run subsequent jobs.

6.1.12 Restart / Recovery Procedures

In the event of a system or job failure, the following table describes procedures that should be taken by IT personnel. These procedures assume that the failure occurred **during** the execution of the specified job step.

Job Step	IT Procedure
STEP1	Resubmit JCL for execution.
STEP2	Resubmit JCL for execution.
STEP3	Modify to restart in this step.
STEP4	Modify to restart in this step.
STEP5	Modify to restart in this step.
STEP6	Modify to restart in this step.
BTCHSAVE	Notify primary on-call staff that SYSO UT data normally saved by Step 3 is not available.

6.2 P13PF71A Schedule Information

6.2.1 Schedule IDs

Schedule IDs (SCHIDs) are a technique for defining variations in the scheduling requirements of jobs. These IDs are used on many of the screens within **CA-7** and with many of the commands to allow the user to accomplish processing with wide variations in what is required of a particular run.

Schedule IDs for the **P13PF71A** Application:

Schedule Type	SCHID Number	Definition
Schedule ID	TBD	Used to designate hour

Note: Boldface type means the Schedule ID is being used.

6.2.2 Monthly Dataset Triggered Jobs (SCHID xxx)

P13PF71A is scanned into the Request Queue when **P13P.FIN.F7A.ACCTRANS.Dccyymm** is created.

6.2.3 When To Run

P13PF71A runs monthly.

6.2.4 Dependencies

P13PF71A should be run after successful completion of:

- **Job F7APNTH3**, which creates the input file **P13P.FIN.F7A.ACCTRANS.Dccyymm**

Note: **GxxxxV00** indicates the latest GDG family member is to be selected.

6.2.5 P13PF71A Job Description

P13PF71A receives files from the **F71A** system, which manages the collection of debt for all of FHA including the Single Family and Multifamily programs.

This monthly job is triggered by receipt of file **P13P.FTR.F7A.ACCTRANS Dccyymm**.

6.2.6 Job Steps

There are 10 job steps.

STEP1 copies the input file to a P13P HLQ.

STEP2 creates the FTR Transaction Build output file.

STEP2A executes if **STEP2** fails.

STEP3 prints the error report.

STEP4 creates a backup of the FTR file to a tape.

STEP4A executes if STEP4 fails.

STEP5 creates a backup of the error report onto the same tape as the FTR backup file from STEP4.

STEP5A executes if STEP5 fails.

STEP6 creates a backup of the input (**ACCTRANS**) file.

STEP6A executes if STEP6 fails.

RUNCMD executes TANTIA transfer of FTR FHA files to PeopleSoft server.

BTCHSAVE saves the completed job **SYSOUT** for future reference. It is standardized system routine and will not be further referenced or documented here.

6.2.7 Additional Runtime Information

There are no run stream job control statements.

The printed report generated by this run is the error report.

P13PF71A completes in approximately 10 minutes.

6.2.8 Input / Output Files

STEP1 files are:

Input – P13P.FTR.F71A.ACCTRANS. Dccyymm – 4 cylinder disk file

Output – P13P.FTR.F71A.ACCTRANS(+1) – 4 cylinder disk file

STEP2 files are:

Input – P13P.FTR.F71A.ACCTRANS(+0) – disk file

Output – P13P.FTR.F71A.FTR(+0)

P13P.FTR.F71A.ERRPT(+0)

P13P.FTR.F71A.ERRFILE(+0)

STEP3 files are:

Input / Output – P13P.FTR.F71A.ERRRPT(+1) – 1 cylinder disk file

STEP4 files are:

Input – P13P.FTR.F71A.FTR(+1) – 3 cylinder disk file

Output – P13P.FTR.F71A.FTRBKUP(+1) – tape

STEP5 files are:

Input – P13P.FTR.F71A.ERRRPT(+1) – 1 cylinder disk file

Output – P13P.FTR.F71A.ERPTBKUP(+1) – tape

STEP6 files are:

Input – P13P.FTR.F71A.ACCTRANS(+1) – 4 cylinder disk file

Output – P13P.FTR.F71A.ACCTBKUP(+1) – tape

RUNCMD TANTIA files are:

Input – P13P.FTR.F71A.FTR(+0) – 4 cylinder disk file

Output – 71a+YYYY+MM+DD.dat

6.2.9 Run Interrupt Checkpoints

This job may be interrupted without concern for job integrity. Reference **Section 4.2.12 Restart / Recovery Procedures**, for restart instructions.

6.2.10 Set-Up and Diagnostic Procedures

None.

6.2.11 Error Messages

STEP1 and STEP3 through STEP6 use common IBM utilities. Use the IBM manuals to research error messages generated by these steps.

STEP2 output a number of informational messages. Only the messages documented below require action by the operations staff.

Error Messages:

	ERROR MESSAGE	Operations Response
STEP2	Job ABEND with return code 12 with message "*****FATAL ERROR *****" "File Empty – No Rcds"	Notify primary on-call run support staff. Do not run subsequent jobs.

	ERROR MESSAGE	Operations Response
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Invalid Record Type in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Invalid System ID in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Invalid Trans Code in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Invalid Acct Period in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Century not = 19 or 20 in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Invalid Acct Period Month in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Invalid Date Stamp in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Date(Year) Stamp Invalid in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Date(Month) Stamp Invalid in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Date(Day) Stamp Invalid in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Colon Missing from Date/Time Stamp in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Time of Datetime Stamp Invalid in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “No Detail/Trailer Record Encountered”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Invalid Record Type in Detail Line”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Transaction Amount-1 not numeric”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “No period in Transaction Amount”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Transaction Amount-2 not numeric”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Invalid Record Type in Trailer”	Notify primary on-call run support staff. Do not run subsequent jobs.

	ERROR MESSAGE	Operations Response
STEP2	Job ABEND with return code 12 with message "*****FATAL ERROR *****" "Number of Records in Trailer not Numeric"	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message "*****FATAL ERROR *****" "Total Detail Rcds not = Trailer TTL"	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message "*****FATAL ERROR *****" "Trailer Debit Amount not Numeric"	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message "*****FATAL ERROR *****" "Trailer Credit Amount not Numeric"	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message "*****FATAL ERROR *****" "Trailer Debit Amount Does not Match Credit Amount"	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message "*****FATAL ERROR *****" "Running DBT or CRD Totals do not Match Trailer"	Notify primary on-call run support staff. Do not run subsequent jobs.

6.2.12 Restart / Recovery Procedures

In the event of a system or job failure, the following table describes procedures that should be taken by IT personnel. These procedures assume that the failure occurred **during** the execution of the specified job step.

Job Step	IT Procedure
STEP1	Resubmit JCL for execution.
STEP2	Resubmit JCL for execution.
STEP3	Modify to restart in this step.
STEP4	Modify to restart in this step.
STEP5	Modify to restart in this step.
STEP6	Modify to restart in this step.
BTCHSAVE	Notify primary on-call staff that SYSOUT data normally saved by Step 3 is not available.

6.3 P13PF72 Schedule Information

6.3.1 Schedule IDs

Schedule IDs (SCHIDs) are a technique for defining variations in the scheduling requirements of jobs. These IDs are used on many of the screens within **CA-7** and with many of the commands to allow the user to accomplish processing with wide variations in what is required of a particular run.

Schedule IDs for the **P13PF72** Application:

Schedule Type	SCHID Number	Definition
Schedule ID	TBD	Used to designate hour

Note: Boldface type means the Schedule ID is being used.

6.3.2 Monthly Dataset Triggered Jobs (SCHID xxx)

P13PF72 is scanned into the Request Queue when **GHAT.F72FTR(+1)** is created.

6.3.3 When To Run

P13PF72 runs monthly.

6.3.4 Dependencies

P13PF72 should be run after successful completion of:

- Job **GHATBFTR**, which creates the input file **GHAT.F72FTR(+1)**

Note: **GxxxxV00** indicates the latest GDG family member is to be selected.

6.3.5 P13PF72 Job Description

P13PF72 receives files from the **F72** system, which is the Title 1 Premiums and Claims.

This monthly job is triggered by receipt of file **GHAT.F72FTR(+1)**.

6.3.6 Job Steps

There are 16 job steps.

STEP1 sorts previous months matrix file.

STEP2 copies GHAT file to a P13P HLQ

STEP3 creates the ATB

STEP3A executes if step3 fails.

STEP4 sorts the distribution report.

STEP5 creates the distribution report.

STEP6 prints the error report.

STEP7 creates a backup of the matrix.

STEP7A executes if STEP7 fails.

STEP8 creates a backup of the FTR file.

STEP8A executes if STEP8 fails.

STEP9 creates a backup of the error file.

STEP9A executes if STEP9 fails.

STEP10 creates a backup of the ACCTRANS file.

STEP10A executes if STEP10 fails.

RUNCMD executes TANTIA transfer of FTR FHA files to PeopleSoft server.

BTCHSAVE saves the completed job **SYSOUT** for future reference. It is standardized system routine and will not be further referenced or documented here.

6.3.7 Additional Runtime Information

There are no run stream job control statements.

The printed report generated by this run is the error report.

P13PF72 completes in approximately 20 minutes.

6.3.8 Input / Output Files

STEP1 files are:

I/O – P13P.FTR.F72.MATRIX(0) – disk file

STEP2 files are:

Input – GHAT.F72FTR(+0) – disk file

Output – P13P.FTR.F72.ACCTRANS(+1)

STEP3 files are:

Input – P13P.FTR.F72.ACCTRANS(+1) – disk file
P13P.FTR.T1.LENDERS – disk file
P13P.FTR.PARM(+MOS) – disk file
P13P.FTR.F72.MATRIX(0) – disk file

Output - P13P.FTR.F72.FTR(+1) – disk file
P13P.FTR.F72.MATRIX(+1) – disk file
P13P.FTR.F72.DISTRIB(+1) – disk file
P13P.FTR.F72.ERRRPT(+1) – disk file
P13P.FTR.F72.LDRBILF(+1) – disk file

STEP4 files are:

I/O - P13P.FTR.F72.DISTRIB(+1)

STEP5 files are:

Input - P13P.FTR.PARM(+MOS) – disk file
P13P.FTR.F72.DISTRIB(+1) – disk file
Output – P13P.FTR.F72.DISRPT(+1) – disk file

STEP6 files are:

I/O – P13P.FTR.F72.ERRRPT(+1)

STEP7 files are:

Input -P13P.FTR.F72.MATRIX(+1)

Output - P13P.FTR.F72.MTRXBKUP(+1),

STEP8 files are:

Input – P13P.FTR.F72.FTR(+1) – 4 cylinder disk file

Output – P13P.FTR.F72.FTRBKUP(+1) – tape

STEP9 files are:

Input – P13P.FTR.F72.ERRRPT(+1) – 4 cylinder disk file

Output – P13P.FTR.F72.ERPTBKUP(+1) – tape

STEP10 files are:

Input – P13P.FTR.F72.ACCTRANS(+1) – 4 cylinder disk file

Output – P13P.FTR.F72.ACCTBKUP(+1) – tape

RUNCMD TANTIA files are:

Input – P13P.FTR.F72.FTR(+1) – 4 cylinder disk file

Output – f72+YYYY+MM+DD.DAT

6.3.9 Run Interrupt Checkpoints

This job may be interrupted without concern for job integrity. Reference **Section 4.3.12 Restart / Recovery Procedures**, for restart instructions.

6.3.10 Set-Up and Diagnostic Procedures

None.

6.3.11 Error Messages

STEP1 and STEP3 through STEP6 use common IBM utilities. Use the IBM manuals to research error messages generated by these steps.

STEP2 output a number of informational messages. Only the messages documented below require action by the operations staff.

Error Messages:

	ERROR MESSAGE	Operations Response
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “File Empty – No Rclds”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Invalid Record Type in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Invalid System ID in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Invalid Trans Code in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Invalid Acct Period in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Century not = 19 or 20 in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Invalid Acct Period Month in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Invalid Date Stamp in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Date(Year) Stamp Invalid in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Date(Month) Stamp Invalid in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Date(Day) Stamp Invalid in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Colon Missing from Date/Time Stamp in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Time of Datetime Stamp Invalid in Header”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “No Detail/Trailer Record Encountered”	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message “*****FATAL ERROR *****” “Invalid Record Type in Detail Line”	Notify primary on-call run support staff. Do not run subsequent jobs.

	ERROR MESSAGE	Operations Response
STEP2	Job ABEND with return code 12 with message "*****FATAL ERROR *****" "Transaction Amount-1 not numeric"	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message "*****FATAL ERROR *****" "No period in Transaction Amount"	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message "*****FATAL ERROR *****" "Transaction Amount-2 not numeric"	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message "*****FATAL ERROR *****" "Invalid Record Type in Trailer"	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message "*****FATAL ERROR *****" "Number of Records in Trailer not Numeric"	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message "*****FATAL ERROR *****" "Total Detail Rclds not = Trailer TTL"	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message "*****FATAL ERROR *****" "Trailer Debit Amount not Numeric"	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message "*****FATAL ERROR *****" "Trailer Credit Amount not Numeric"	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message "*****FATAL ERROR *****" "Trailer Debit Amount Does not Match Credit Amount"	Notify primary on-call run support staff. Do not run subsequent jobs.
STEP2	Job ABEND with return code 12 with message "*****FATAL ERROR *****" "Running DBT or CRD Totals do not Match Trailer"	Notify primary on-call run support staff. Do not run subsequent jobs.

6.3.12 Restart / Recovery Procedures

In the event of a system or job failure, the following table describes procedures that should be taken by IT personnel. These procedures assume that the failure occurred **during** the execution of the specified job step.

Job Step	IT Procedure
STEP1	Resubmit JCL for execution.
STEP2	Resubmit JCL for execution.
STEP3	Modify to restart in this step.
STEP4	Modify to restart in this step.
STEP5	Modify to restart in this step.
STEP6	Modify to restart in this step.
STEP7	Modify to restart in this step.
STEP8	Modify to restart in this step.

STEP9	Modify to restart in this step.
STEP10	Modify to restart in this step.
RUNCMD	Modify to restart in this step.
BTCHSAVE	Notify primary on-call staff that SYSOUT data normally saved by Step 3 is not available.

7.0 P013 DAILY RUN INFORMATION

7.1 P13PD601 Schedule Information

7.1.1 Schedule IDs

Schedule IDs (SCHIDs) are a technique for defining variations in the scheduling requirements of jobs. These ID's are used on many of the screens within CA-7 and with many of the commands to allow the user to accomplish processing with wide variations in what is required of a particular run.

Schedule IDs for the **P13PD601** Application:

Schedule Type	SCHID Number	Definition
Schedule ID	TBD	Used to designate hour

Note: Boldface type means the Schedule ID is being used.

7.1.2 Daily DATASET TRIGGERED JOBS (SCHID xxx)

P13PD601 is scanned into the Request Queue when **GHAS.CLMS.A43BAUD.DAILY1(0)** is created.

7.1.3 When To Run

P13PD601 runs Daily Monday thru Friday (Does not run on Holidays).

7.1.4 Dependencies

P13PD601 should be run after successful completion of:

- Job **GHASCAUD**, which creates the input file **GHAS.CLMS.A43BAUD.DAILY1(0)**

Note: **GxxxxV00** indicates the latest GDG family member is to be selected.

7.1.5 P13PD601 Job Description

This job reads the daily **a43baud Claims File** to extract daily paid / held claim assignments and the supplementals for all claim assignments into the account transaction file. Next, the account transaction file is read to create the '601' Financial Transaction Repository (FTR) file. Finally, the FTR file is TRANFD to the FHA PeopleSoft server.

7.1.6 Job Steps

There are 13 job steps.

STEP1 copies the input file to a P13P HLQ.

STEP2 executes P13B6PDC program

STEP2A is executed if STEP2 fails.

STEP3 executes P13B6BLD program

STEP3A is executed if STEP2 fails.

STEP4 prints the error report.

STEP5 creates a backup of the 601 FTR file.

STEP5A executes if STEP5 fails.

STEP6 creates a backup of the error file to the same tape as above backup files.

STEP6A executes if STEP6 fails.

STEP7 creates a backup of the ACCTRANS file to the same tape as above backup files.

STEP7A executes if STEP7 fails.

DOCLIST runs a **clist** to create the daily file name for the 601 file to be transmitted.

RUNCMD executes TANTIA.

BTCHSAVE step saves the completed job **SYSOUT** for future reference. It is a standardized system routine and will not be further referenced or documented here.

7.1.7 Additional Runtime Information

There are no run stream job control statements require modification.

The printed report generated by this run is the error report.

P13DD601 completes in approximately 10 minutes.

7.1.8 Input / Output Files

STEP1 files are:

Input – GHAS.CLMS.A43BAUD.DAILY1(0) – Disk file
Output – P13P.CLMS.A43BAUD.DAILY1(+1) – disk file

STEP2 files are:

Input – P13P.CLMS.A43BAUD.DAILY1(+1) – disk file
Output – P13P.FTR.A43C601.ACCTRANS(+1) – disk file

STEP3 files are:

Input – P13P.FTR.A43C601.ACCTRANS(+1) – disk file
P13P.FTR.IDB1(0) – disk file
P13P.FTR.F51.MASTER.DT990603 – disk file
P13P.FTR.ADPFUND.DT980910 – disk file
Output – P13P.FTR.A43C601.FTR(+1) – disk file
P13P.FTR.A43C601.ERRRPT(+1) – disk file
P13P.FTR.A43C601.ERRFILE(+1) – disk file

STEP5 files are:

Input – P13P.FTR.A43C601.FTR(+1) – 3 cylinder disk file
Output – P13P.FTR.A43C601.FTRBKUP(+1) – tape

STEP6 files are:

Input – P13P.FTR.A43C601.ERRRPT(+1) – 1 cylinder disk file
Output – P13P.FTR.A43C601.ERPTBKUP(+1) – tape

STEP7 files are:

Input – P13P.FTR.A43C601.ACCTRANS(+1) – 4 cylinder disk file
Output – P13P.FTR.A43C601.ACCTBKUP(+1) – tape

7.1.9 Run Interrupt Checkpoints

This job may be interrupted without concern for job integrity. Reference **Section 5.1.12 Restart / Recovery Procedures**, for restart instructions.

7.1.10 Set-Up and Diagnostic Procedures

None.

7.1.11 Error Messages

STEP1 uses the IBM SORT utilities. Use the IBM manuals to research error messages generated by those steps.

STEP3 uses the IBM IEBGENER utility and the IBM manual should be used to research error messages.

STEP2 outputs a number of informational messages. Only the messages documented below require action by the operations staff.

Errors Messages:

Error Message	Operations Response
Job ABEND with return code 12 with message INPUT FILE EMPTY	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message FIRST RECORD NOT A HEADER RECORD	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message INVALID TRANSACTION CODE	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message SECOND HEADER RECORD FOUND	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message RECORD TYPE MISSING	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with message CASE NUMBER NOT SORTED	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message TRAILER COUNT AND AMOUNT FIELDS NOT EQUAL TO SUM OF THE L RECORDS'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'NO TRAILER RECORD FOUND'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'NO PARM DATE FOUND'	Notify primary on-call run support staff. Do not run subsequent jobs.
Job ABEND with return code 12 with display message 'PLEASE CHECK ERROR REPORT FOR EXPLANATION'	Notify primary on-call run support staff. Do not run subsequent jobs.

7.1.12 Restart / Recovery Procedures

In the event of a system or job failure, the following table describes procedures that should be taken by IT personnel. These procedures assume that the failure occurred **during** the execution of the specified job step.

Job Step	IT Procedure
STEP1	Resubmit JCL for execution.
STEP2	Resubmit JCL for execution.
STEP3	Modify to restart in this step.
STEP4	Modify to restart in this step.
STEP5	Modify to restart in this step.
STEP6	Modify to restart in this step.
STEP7	Modify to restart in this step.
STEP8	Modify to restart in this step.
STEP9	Modify to restart in this step.
STEP10	Modify to restart in this step.
RUNCMD	Modify to restart in this step.
BTCHSAVE	Notify primary on-call staff that SYSOUT data normally saved by Step 3 is not available.

7.2 P13PD80D Schedule Information

7.2.1 Schedule IDs

Schedule IDs (SCHIDs) are a technique for defining variations in the scheduling requirements of jobs. These ID's are used on many of the screens within CA-7 and with many of the commands to allow the user to accomplish processing with wide variations in what is required of a particular run.

Schedule IDs for the **P13PD80D** Application:

Schedule Type	SCHID Number	Definition
Schedule ID	TBD	Used to designate hour

Note: Boldface type means the Schedule ID is being used.

7.2.2 Daily DATASET TRIGGERED JOBS (SCHID xxx)

P13PD80D is scanned into the Request Queue when **GHDP.CHECKS.DETAIL(0)** is created.

7.2.3 When To Run

P13PD80D runs Daily Monday thru Friday (Does not run on Holidays).

7.2.4 Dependencies

P13PD80D should be run after successful completion of:

- Job **GHDPBPA2**, which creates the input file **GHDP.CHECKS.DETAIL(0)**

Note: **GxxxxV00** indicates the latest GDG family member is to be selected.

7.2.5 P13PD80D Job Description

This job copies the daily **80D CCFC** file to P13P HLQ. Next, the P13P file TRANFD to the FHA PeopleSoft server via TANTIA

7.2.6 Job Steps

There are 4 job steps.

STEP1 copies the input file to a P13P HLQ.

DOCLIST runs a clist to create the daily file name for the 80D file to be transmitted.

RUNCMD executes TANTIA.

BTCHSAVE step saves the completed job **SYSOUT** for future reference. It is a standardized system routine and will not be further referenced or documented here.

7.2.7 Additional Runtime Information

There are no run stream job control statements require modification.

The printed report generated by this run is the error report.

P13DD80D completes in approximately 10 minutes.

7.2.8 Input / Output Files

STEP1 files are:

Input – GHDP.CHECKS.DETAIL (0) – Disk file

Output – P13P.D80D.CCFC(+1) – disk file

7.2.9 Run Interrupt Checkpoints

This job may be interrupted without concern for job integrity. Reference **Section 5.2.12 Restart / Recovery Procedures**, for restart instructions.

7.2.10 Set-Up and Diagnostic Procedures

None.

7.2.11 Error Messages

STEP1 uses the IBM IEBGENER utility and the IBM manual should be used to research error messages.

7.2.12 Restart / Recovery Procedures

In the event of a system or job failure, the following table describes procedures that should be taken by IT personnel. These procedures assume that the failure occurred **during** the execution of the specified job step.

Job Step	IT Procedure
STEP1	Resubmit JCL for execution.
RUNCMD	Modify to restart in this step.
BTCHSAVE	Notify primary on-call staff that SYSOUT data is not available.

7.3 P13PD80S Schedule Information

7.3.1 Schedule IDs

Schedule IDs (SCHIDs) are a technique for defining variations in the scheduling requirements of jobs. These ID's are used on many of the screens within CA-7 and with many of the commands to allow the user to accomplish processing with wide variations in what is required of a particular run.

Schedule IDs for the **P13PD80S** Application:

Schedule Type	SCHID Number	Definition
Schedule ID	TBD	Used to designate hour

Note: Boldface type means the Schedule ID is being used.

7.3.2 Daily DATASET TRIGGERED JOBS (SCHID xxx)

P13PD80S is scanned into the Request Queue when **A8SP.PSAMS.A8SPH.ABF.FILEEFT(0)** is created.

7.3.3 When To Run

P13PD80S runs Daily Monday thru Friday (Does not run on Holidays).

7.3.4 Dependencies

P13PD80S should be run after successful completion of:

- **Job A8SPTXD6**, which creates the input file **A8SP.PSAMS.A8SPH.ABF.FILEEFT(0)**

Note: **GxxxxV00** indicates the latest GDG family member is to be selected.

7.3.5 P13PD80S Job Description

This job copies the daily **80S CCFC** file to P13P HLQ. Next, the P13P file TRANFD to the FHA PeopleSoft server via TANTIA

7.3.6 Job Steps

There are 4 job steps.

STEP1 copies the input file to a P13P HLQ.

DOCLIST runs a clist to create the daily file name for the 80S file to be transmitted.

RUNCMD executes TANTIA.

BTCHSAVE step saves the completed job **SYSOUT** for future reference. It is a standardized system routine and will not be further referenced or documented here.

7.3.7 Additional Runtime Information

There are no run stream job control statements require modification.

The printed report generated by this run is the error report.

P13PD80S completes in approximately 10 minutes.

7.3.8 Input / Output Files

STEP1 files are:

Input – A8SP.PSAMS.A8SPH.ABF.FILEEFT(0) – Disk file

Output – P13P.D80S.CCFC(+1) – disk file

7.3.9 Run Interrupt Checkpoints

This job may be interrupted without concern for job integrity. Reference **Section 5.3.12 Restart / Recovery Procedures**, for restart instructions.

7.3.10 Set-Up and Diagnostic Procedures

None.

7.3.11 Error Messages

STEP1 uses the IBM IEBGENER utility and the IBM manual should be used to research error messages.

7.3.12 Restart / Recovery Procedures

In the event of a system or job failure, the following table describes procedures that should be taken by IT personnel. These procedures assume that the failure occurred **during** the execution of the specified job step.

Job Step	IT Procedure
STEP1	Resubmit JCL for execution.
RUNCMD	Modify to restart in this step.
BTCHSAVE	Notify primary on-call staff that SYSOUT data normally saved by Step 3 is not available.

7.4 P13PD80R Schedule Information

7.4.1 Schedule IDs

Schedule IDs (SCHIDs) are a technique for defining variations in the scheduling requirements of jobs. These ID's are used on many of the screens within CA-7 and with many of the commands to allow the user to accomplish processing with wide variations in what is required of a particular run.

Schedule IDs for the **P13PD80R** Application:

Schedule Type	SCHID Number	Definition
Schedule ID	TBD	Used to designate hour

Note: Boldface type means the Schedule ID is being used.

7.4.2 Daily DATASET TRIGGERED JOBS (SCHID xxx)

P13PD80R is scanned into the Request Queue when **GHDP.A8RP.UPFRONT.CHECKS.DETAIL(0)** is created.

7.4.3 When To Run

P13PD80R runs Daily Monday thru Friday (Does not run on Holidays).

7.4.4 Dependencies

P13PD80R should be run after successful completion of:

- **Job GHDPBPA3**, which creates the input file
GHDP.A8RP.UPFRONT.CHECKS.DETAIL(0)

Note: **GxxxxV00** indicates the latest GDG family member is to be selected.

7.4.5 P13PD80R Job Description

This job copies the daily **80R CCFC** file to P13P HLQ. Next, the **P13P** file **TRANFD** to the FHA PeopleSoft server via TANTIA

7.4.6 Job Steps

There are 4 job steps.

STEP1 copies the input file to a P13P HLQ.

DOCLIST runs a clist to create the daily file name for the 80R file to be transmitted.

RUNCMD executes TANTIA.

BTCHSAVE step saves the completed job **SYSOUT** for future reference. It is a standardized system routine and will not be further referenced or documented here.

7.4.7 Additional Runtime Information

There are no run stream job control statements require modification.

The printed report generated by this run is the error report.

P13PD80R completes in approximately 10 minutes.

7.4.8 Input / Output Files

STEP1 files are:

Input – GHDP.A8RP.UPFRONT.CHECKS.DETAIL (0) – Disk file
Output – P13P.D80R.CCFC(+1) – disk file

7.4.9 Run Interrupt Checkpoints

This job may be interrupted without concern for job integrity. Reference **Section 5.4.12 Restart / Recovery Procedures**, for restart instructions.

7.4.10 Set-Up and Diagnostic Procedures

None.

7.4.11 Error Messages

STEP1 uses the IBM IEBGENER utility and the IBM manual should be used to research error messages.

7.4.12 Restart / Recovery Procedures

In the event of a system or job failure, the following table describes procedures that should be taken by IT personnel. These procedures assume that the failure occurred **during** the execution of the specified job step.

Job Step	IT Procedure
STEP1	Resubmit JCL for execution.
RUNCMD	Modify to restart in this step.
BTCHSAVE	Notify primary on-call staff that SYSOUT data normally saved by Step 3 is not available.

7.5 P13PD80B Schedule Information

7.5.1 Schedule IDs

Schedule IDs (SCHIDs) are a technique for defining variations in the scheduling requirements of jobs. These ID's are used on many of the screens within CA-7 and with many of the commands to allow the user to accomplish processing with wide variations in what is required of a particular run.

Schedule IDs for the **P13PD80B** Application:

Schedule Type	SCHID Number	Definition
Schedule ID	TBD	Used to designate hour

Note: Boldface type means the Schedule ID is being used.

7.5.2 Daily DATASET TRIGGERED JOBS (SCHID xxx)

P13PD80B is scanned into the Request Queue when **GHDP.A8BP.PERIODIC.CHECKS.DETAIL(0)** is created.

7.5.3 When To Run

P13PD80B runs Daily Monday thru Friday (Does not run on Holidays).

7.5.4 Dependencies

P13PD80B should be run after successful completion of:

- **Job GHDPBPA5**, which creates the input file **GHDP.A8BP.PERIODIC.CHECKS.DETAIL(0)**

Note: **GxxxxV00** indicates the latest GDG family member is to be selected.

7.5.5 P13PD80B Job Description

This job copies the daily **80B CCFC** file to P13P HLQ. Next, the P13P file TRANFD to the FHA PeopleSoft server via TANTIA

7.5.6 Job Steps

There are 4 job steps.

STEP1 copies the input file to a P13P HLQ.

DOCLIST runs a clist to create the daily file name for the 80B file to be transmitted.

RUNCMD executes TANTIA.

BTCHSAVE step saves the completed job **SYSOUT** for future reference. It is a standardized system routine and will not be further referenced or documented here.

7.5.7 Additional Runtime Information

There are no run stream job control statements require modification.

The printed report generated by this run is the error report.

P13PD80B completes in approximately 10 minutes.

7.5.8 Input / Output Files

STEP1 files are:

Input – GHDP.A8BP.PERIODIC.CHECKS.DETAIL (0) – Disk file

Output – P13P.D80B.CCFC(+1) – disk file

7.5.9 Run Interrupt Checkpoints

This job may be interrupted without concern for job integrity. Reference **Section 5.5.12 Restart / Recovery Procedures**, for restart instructions.

7.5.10 Set-Up and Diagnostic Procedures

None.

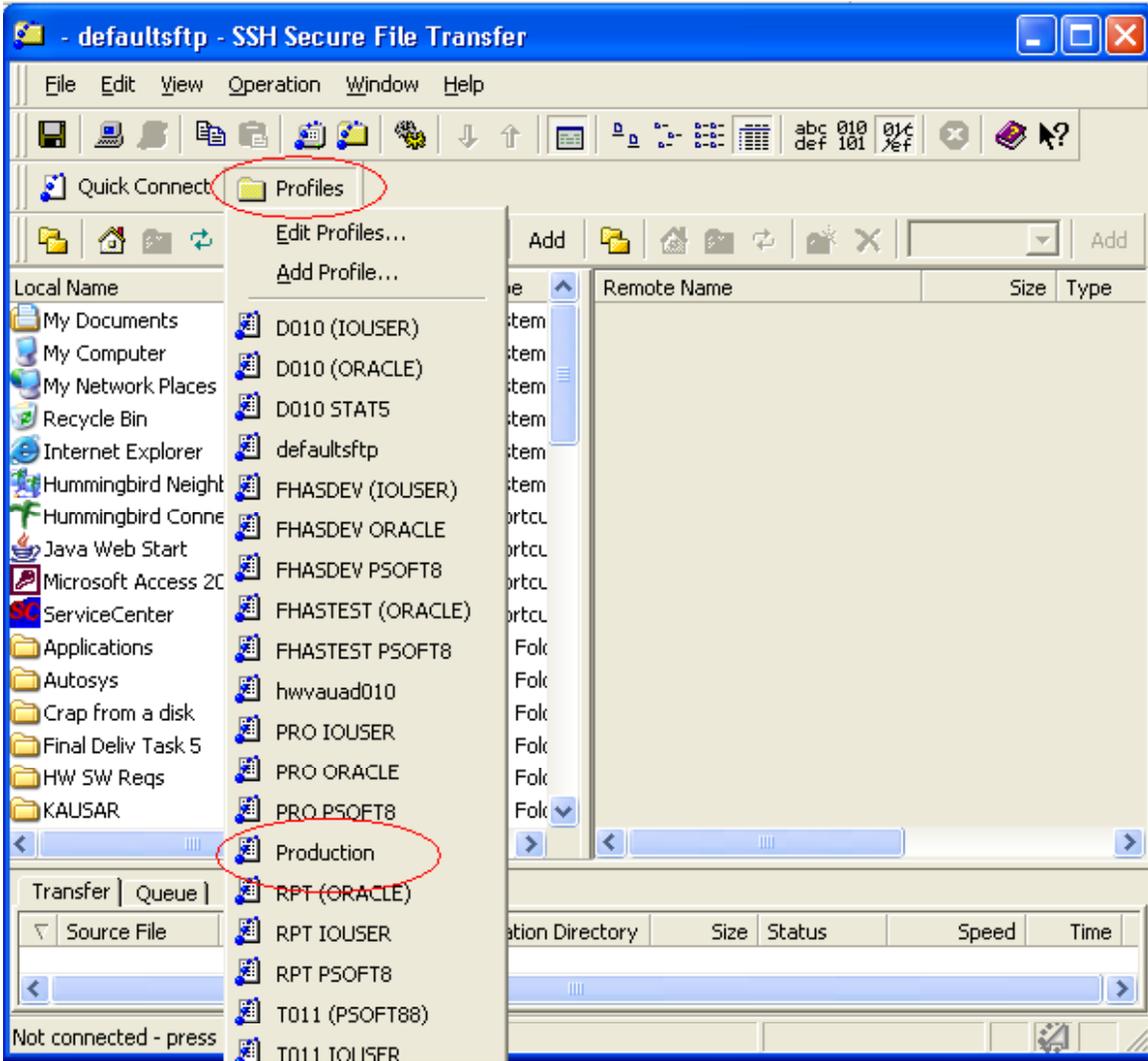
7.5.11 Error Messages

STEP1 uses the IBM IEBGENER utility and the IBM manual should be used to research error messages.

7.5.12 Restart / Recovery Procedures

In the event of a system or job failure, the following table describes procedures that should be taken by IT personnel. These procedures assume that the failure occurred **during** the execution of the specified job step.

Job Step	IT Procedure
STEP1	Resubmit JCL for execution.
RUNCMD	Modify to restart in this step.
BTCHSAVE	Notify primary on-call staff that SYSOUT data is not available.



- ⁱ The Load to Voucher Staging Tables will include the creation of the control group for voucher build.
- ⁱⁱ The Load to Voucher Staging Tables will include the creation of the control group for voucher build.
- ⁱⁱⁱ The Load to Voucher Staging Tables will include the creation of the control group for voucher build.
- ^{iv} The Load to Voucher Staging Tables will include the creation of the control group for voucher build.