

STAR 2000™



CUSTOMER SOFTWARE MODIFICATION/TRANSFER REFERENCE GUIDE

Release 17.0
October 2011

S17000041

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Documentation Conventions

Documentation for McKesson's STAR 2000™ line of products follows these conventions:

Revisions

Text revisions are indicated by a change bar in the left margin. Paragraphs that contain grammatical changes that do not affect content are not marked.

Canadian Documentation

This volume may include documentation for Canadian users of this product. Complete sections of Canadian text are identified by "CN" and "CN Only."

Key Names

Named keys, such as SHIFT, CTRL, ALT, and ENTER, are displayed in this document in uppercase (capital) letters. A symbol key is written as text in this document followed by the symbol in parentheses, such as hyphen (-) and asterisk (*).

Key Chords

Key chords are key entries that require you to hold down one or more keys (typically, CTRL, ALT, or SHIFT) before pressing another key. In this document, key chords are displayed as the names of each key in the chord separated by a hyphen (-) (for example, CTRL-ALT-DEL).

Enter

ENTER is a key on a computer keyboard used to complete an entry on a STAR system. (This key may also be referred to as NEW LINE or NL in the STAR system.)

Data Entries

Letters or words you enter in response to the system are displayed in **bold** letters in this document. For example: Enter **Y** for Yes or **N** for No.

Selecting an Entry

This document often instructs you to "select an entry." The method you use to select an entry depends on whether you are using STAR from a terminal or IBM-compatible personal computer. Entry methods include:

- Entering the option number
- Using your arrow keys to highlight the option and pressing ENTER
- Clicking on the option using a mouse or other pointing device (PC only)

For more information about these options, see the *General Information Volume*.

Prompts

System prompts are displayed at the bottom of many STAR screens when the system requests an entry or displays a message. In this document, these prompts are indented and the text italicized, as shown in the following example:

Enter patient name--

Field Characteristics

STAR product documentation provides field explanation codes, in addition to a narrative description for each field on a screen. These codes display the maximum length of your entry in the field, the type of entry you make in the field, and whether the field is required. This information displays in the following format:

- DISPLAY ONLY for a field you cannot edit.
 - For X-YY-Z field types, where:
 - X is the maximum number of characters permitted in the field:
 - P for a field length determined by a Parameter
 - T for a field length determined by a Table
 - U for a field having an Undefined length
 - YY is the type of entry technique permitted in the field:
 - A for Letters only
 - AC for Letters and Punctuation only (no numbers)
 - AN for Numerals and Letters only (no punctuation)
 - C for Characters (including punctuation)
 - N for Numerals only
 - NC for Numerals and Punctuation only (no letters)
 - Z is the requirement indicator of the field:
 - C if an entry is Conditionally required or optional
 - O if an entry is Optional to complete the function
 - R if an entry is required to complete the function
- NOTE:** Facilities can designate that certain fields be Required. STAR product documentation does not display R for fields designated as Required by a facility.
- For YY-Z field types, where YY is:
 - DATE for a field subject to the date entry conventions described in the *General Information Volume*.
 - SPECIAL FORMAT for a field having data entry requirements not conforming to standard format. The field definition contains the specific data entry requirements for the field.
 - TABLE LOOKUP for a field that enables you to select from a displayed table. See the *General Information Volume* for more information regarding this entry technique.
 - TIME for a field subject to the time entry conventions described in the *General Information Volume*.

NOTE: For use of the Z position in this format, refer to the explanations for Z under X-YY-Z.

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INTRODUCTION

SMART Utilities

SMART is an acronym that stands for Software Management and Release Technology. The components of SMART are:

- Software Control (SC)
- Electronic Software Distribution (ESD)
- Customer Software Transfer Utilities (CST)

Software Control

Software Control functions are the utilities that are used to log, lock, and track software modifications. These utilities can also be used to allow or restrict save capability to defined personnel and to disable software transfers to defined IDs.

Electronic Software Distribution

ESD utilities are used to automatically send *Complete in Release* application software and documentation via the Value Added Network or modem.

Customer Software Transfer Utilities

Customer Software Transfer (CST) Utilities provide you with the tools necessary to transfer both your ESD software updates and non-product software with minimal McKesson intervention.

Software Modification

Software Modification is a set of utilities you can use to modify or create forms, menus, and their associated libraries.

Accessing Software Transfer and Modification Utilities

You can access the Software Transfer and Modification utilities from the Software Implementation menu:

```
General Hospital Software Implementation Processor
                                Tue Jun 02, 2009 06:46 pm
Software Implementation Input Options

Option No.  Option
-----
      1      Display ID/Product Configuration
      2      Tracking Information Display
      3      Tracking Information Print
      4      Tracking Item Movement History
      5      Document Display
      6      Document Print
      7      Navigator/GUI Version Report
      8      Spooler
      9      Software Modification
     10      Software Transfer
     11      Change System ID Number
     12      VT to Another Machine

Enter option number--
```

To access this menu:

1. Log on to the Computer Operators menu using the C sign-on.
2. Select the Software Implementation menu.
3. Enter your ID number and password.

ID STRUCTURE

To better understand the movement of software on your system, you first must understand your system, ID, and product configuration. A typical system has the following standard IDs:

- **0 - Operating System (OS)**

This is the ID where your operating system or OS resides.

- **1 - Production (LIVE)**

All of your day to day activity takes place in this ID. Your *live* patient data resides here.

- **2 - Training (TEST/UPGRADE)**

Your training takes place in the Test ID. During upgrades, this ID becomes your Upgrade Test ID (new release).

- **3 - Archive**

This ID contains *previous* live software. As software is transferred to the Live ID, it is first *backed up* to the Archive ID.

- **4 - Tape Load**

Any manual software loads, modem or tape, take place in the Tape Load ID.

- **5 - Training (TEST)**

ID 5 is typically utilized during an upgrade. While ID 2 contains all upgrade software (new release), ID 5 contains the previous ID 2 software (old or live release).

- **6 - ESD Electronic Load (E Load)**

All software transmitted via ESD is received into ID 6. Software delivered by means other than ESD does not load into ID 6.

- **7 - ESD Hold Release 1 (Hold Rel 1)**

This ID is only used during an upgrade. This ID enables McKesson to transfer software via ESD for two releases. During an upgrade, the Hold Rel 1 ID contains product software for the Live release.

- **8 - ESD Hold Release 2 (Hold Rel 2)**

The Hold Rel 2 ID contains software for the Live ID release while you are in *support* mode. When you go to *upgrade* mode, this ID contains software for the upgrade or new release.

- **9 - Workshop**

This ID holds a working application system. It is typically only present during your system installation.

- **10 - Attachment II/Workorder**

During your system installation, your Attachment II/Workorder requests are performed in this ID. Usually, this ID is not utilized after your installation is complete.

- **11 - Conversion ID**

This ID is used during an install. Data conversions are written and tested in this ID.

- **25 - Test/Build Archive**

During a Transfer to Test, software is archived to this ID from the Test/Build ID.

- **26 - Test Archive**

If the system is in *upgrade* mode, software is archived to this ID during a Transfer to Test from the Test ID.

- **27 - Attachment II Archive**

Software is archived to this ID during a software transfer to the Attachment II ID.

- **28 - Upgrade Archive**

Software is archived in this ID for the upgrade from the Test/Build ID.

- **29 - Distribution Hold/Release 1**

This ID is used only during an upgrade. This ID enables you to transfer non-product software for two releases. During an upgrade the Distribution Hold Release 1 ID contains non-product software profiles to transfer to the Live ID release.

- **30 - Distribution Hold/Release 2**

The Distribution Hold/Release 2 ID contains non-product software profiles to transfer to the Live ID release while you are in Support mode. When you go to Upgrade mode, this ID contains non-product software profiles to transfer to the upgrade or new release.

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INTRODUCTION

This section contains functions used to log, lock, and track software modifications. You also use the utilities described in this section to enable or disable the ability for defined personnel to save software, and to restrain software transfer to defined IDs.

LOCKING FUNCTIONS

Locking functions are used to prevent software changes from being overlaid by another person's changes. By locking a software component, you disable access to that component to any other system users until the component is unlocked. The system requires you to lock components before you can change the component.

As software is loaded for maintenance, the system displays the locking status of a component. The system permits the following locking actions:

- If the component is not locked, the system gives you the option of locking. To lock a component, you must enter an item number.
- If the component is locked, the system displays the name of the user who locked the component and the item number for which it is locked.
- If the software is not locked upon loading and changes are made to the component, when you attempt to save the software the system enables you to lock the component. The system does not save the changes you have made unless you lock the component.

To access the Locking Functions menu, at the Software Implementation Input Options menu, enter **9** to display the Software Modification menu. At the Software Modification Input Options menu, enter **1** to display the Locking Functions Input Options menu.

General Hospital Locking Functions Processor	
Mon Oct 09, 1995 11:47	
Locking Functions Input Options	
Option No.	Option
1	Unlock Single
2	Unlock All My Locks
3	Unlock All My X- Items
4	Lock Single
5	Lock All X- Items
6	Software Lock Report

Enter option number--

Option Explanations

UNLOCK SINGLE

Use this function to unlock a single software component that you have locked.

UNLOCK ALL MY LOCKS

Use this function to unlock all components locked that you have locked.

UNLOCK ALL MY X-ITEMS

Use this function to unlock all X-components that you have locked.

LOCK SINGLE

Use this function to lock a single software component.

LOCK ALL X-ITEMS

Use this function to lock all X-components.

SOFTWARE LOCK REPORT

Use this function to view software components locked through Software Control. This function enables you to manage the locking of software components and monitor the software status.

Unlock Single

This function enables you to unlock a single software component. You can only use this function to unlock components locked by you. When you select this function the system displays a table of component types, as in the following screen:

General Hospital Unlock Single Processor	
Sat Sep 26, 1992 01:58 pm	
Page:01	Software Components
(1) Data Dictionary	
(2) Form Libraries	
(3) Forms	
(4) Globals	
(5) Horz Screen Libraries	
(6) Horz Screens	
(7) Menu Libraries	
(8) Menus	
(9) Programs	
(10) Report Writer	
(11) SQL Queries	
(12) Scrolling Screens	
(13) SQL Tables	
(14) Vert Screens	
(15) Result Zblocks	
Enter choice, or NL for programs	

Select the component type to unlock. The system displays the following prompt:

Enter program name to unlock --

Enter the name of the program you wish to unlock. The system then unlocks the component, displaying the following message:

Unlocked!

Unlock All My Locks

This function enables you to unlock all components that you have locked. When you select this function the system displays a table of component types, as in the following screen:

Page:01	Software Components
(1) Data Dictionary	
(2) Form Libraries	
(3) Forms	
(4) Globals	
(5) Horz Screen Libraries	
(6) Horz Screens	
(7) Menu Libraries	
(8) Menus	
(9) Programs	
(10) Report Writer	
(11) SQL Queries	
(12) Scrolling Screens	
(13) SQL Tables	
(14) Vert Screens	
(15) Result Zblocks	
Enter choice, or NL for programs	

Select the component type to unlock. The system displays all currently locked components, as in the following screen:

Item	Person	Started	Tracking Item	ID 12
LABCAS	Green, Marci S	09/21/95 04:07pm	CL1234	
LABCAS1	Green, Marci S	09/21/95 04:07pm	CL1234	
LABCEX	Green, Marci S	09/21/95 04:07pm	CL1234	
LABCH0	Green, Marci S	09/21/95 04:07pm	CL1234	
LABCH1	Green, Marci S	09/21/95 04:07pm	CL1234	
LABCH4	Smith, Linda M	09/21/95 04:07pm	Temp	
LABCH5	Smith, Linda M	09/21/95 04:07pm	STIL4567	
LABCHP	Jones, William	09/21/95 04:07pm	WO56789	
LABCLWL	Jones, William	09/21/95 04:07pm	WO56789	
LABCM	Jefferson, Hal	09/21/95 04:07pm	TSR123456	
LABCM7	Jefferson, Hal	09/21/95 04:07pm	TSR123456	
LABCMB	Jones, William	09/21/95 04:07pm	WO56789	
LABCMH	Copper, Jean	09/21/95 04:07pm	CL1234	
LABCMH1	Copper, Jean	09/21/95 04:07pm	CL1234	
LABCMH2	Copper, Jean	09/21/95 04:07pm	CL1234	
LABCMH20	Copper, Jean	09/21/95 04:07pm	CL1234	
LABCMH3	Copper, Jean	09/21/95 04:07pm	CL1234	
LABCMH30	Copper, Jean	09/21/95 04:07pm	CL1234	
LABCMH4	Copper, Jean	09/21/95 04:07pm	CL1234	
Unlock all these programs? (Y/N) [N] --				

At the bottom of the screen the system displays the following prompt:

Unlock all these programs? (Y/N) [N] --

To unlock all listed software components, enter **Y** for Yes. To exit the function without unlocking components, enter **N** for No or press ENTER.

Unlock All My X-Items

This function enables you to unlock all X-components locked by you. You can define the components to be unlocked by entering the first few characters of the name(s) of the component(s), followed by a hyphen (-).

When you access this function the system displays the following prompt:

Enter programs prefix- to unlock--

To unlock a single program enter the name of the program you wish to unlock. To unlock a range of programs with a common prefix to their name, enter the first few letters of the program name(s) followed by a hyphen (-). The system displays a screen similar to the following:

Item	Person	Started	Tracking Item	ID 12
LAB	Smith, Linda	10/09/95 12:06pm	TEMP	
LAB0	Smith, Linda	10/09/95 12:06pm	TEMP	
LAB0V	Smith, Linda	10/09/95 12:06pm	TEMP	
LAB1	Smith, Linda	10/09/95 12:06pm	TEMP	
LAB2	Smith, Linda	10/09/95 12:06pm	TEMP	
LAB3	Smith, Linda	10/09/95 12:06pm	TEMP	
LABABBM	Smith, Linda	10/09/95 12:06pm	TEMP	
LABABBM0	Smith, Linda	10/09/95 12:06pm	TEMP	
LABABBP	Smith, Linda	10/09/95 12:06pm	TEMP	
LABALRT	Smith, Linda	10/09/95 12:06pm	TEMP	
LABALRT1	Smith, Linda	10/09/95 12:06pm	TEMP	
LABALS	Smith, Linda	10/09/95 12:06pm	TEMP	
LABAPR	Smith, Linda	10/09/95 12:06pm	TEMP	
LABARD	Smith, Linda	10/09/95 12:06pm	TEMP	
LABBD	Smith, Linda	10/09/95 12:06pm	TEMP	
LABBLE	Smith, Linda	10/09/95 12:06pm	TEMP	
LABBLH	Smith, Linda	10/09/95 12:06pm	TEMP	
LABCAS	Smith, Linda	10/09/95 12:06pm	TEMP	
LABCAS1	Smith, Linda	10/09/95 12:06pm	TEMP	
Unlock all these programs? (Y/N) [N] --				

To unlock all displayed components, enter **Y** for Yes. To return to the *Enter programs prefix- to unlock-* prompt and identify different components, enter **N** for No or press ENTER to accept the default.

Lock Single

This function allows you to lock a single software component. When you access this function the system displays the following screen:

```

                                General Hospital Lock Single Processor
                                Sat Sep 26, 1992 02:04 pm

Program Log Information ()
( 1)Release      : 9.0
( 2)Item Number  : TSR123991
( 3)Comment      :

Accept this screen? (Y/N) [Y]--
```

The system defaults to the most recent item number used for a save. To lock using this item number, press ENTER. To select a different item number (not software component), press period (.) then press ENTER. The system asks which field you want to edit. Access the Item Number field, and then identify the desired software item.

When you accept this screen, the system displays the Software Component table. Select the component type to process, and then enter the software component name to lock.

Lock All X-Items

This function enables you to lock all X-components. You can define the components to be locked by entering the first few characters of the name(s) of the component(s), followed by a hyphen (-).

When you access this function the system displays the following prompt:

Enter programs prefix- to lock--

To lock a single program enter the name of the program you wish to lock. To lock a range of programs with a common prefix to their name, enter the first few letters of the program name(s) followed by a hyphen (-).

The system displays a screen similar to the following:

Item	Current Lock	Lock Date
L7RS	Smith,Linda S	
L7TB	Available	
LAAD	Available	
LAADF	Available	
LAADP	Available	
LAB	Available	
LAB0	Available	
LAB0V	Cooper,Jodie	
LAB1	Available	
LAB2	Available	
LAB3	Available	
LABABBM	Available	
LABABBM0	Available	
LABABBP	Available	
LABALRT	Available	
LABALRT1	Available	
LABALS	Available	
LABAPR	Available	
LABARD	Available	

Lock all these available programs? (Y/N) [N] --

To lock all available components, enter **Y** for Yes. To return to the *Enter programs prefix- to lock--* prompt and identify different components, enter **N** for No or press ENTER to accept the default.

Software Lock Report

The software lock report enables you to view software components locked through Software Control. This information enables you to manage the locking of software components and monitor the status of software. The system displays the following information on the report:

- Component Type
- Component Name
- Employee ID Number
- Employee Name
- Lock Date/Time
- Item Number
- Comment

You can print information about locks in a variety of ways:

- For a particular item number
- For an employee
- For a range of software components

When you access this function, the system displays the following screen:

General Hospital Software Lock Report Processor			
Mon Apr 27, 1992 12:42 pm			
1 ID	2 Employee Number	3 Item Number	4 Components
1	07139 Gordon,Tod	All	All
5 Comments	6 Device		
Yes	Current Device		

Enter field number or '/' starting field number--

Field Explanations

1. ID (3-N-R)

This field identifies the ID for which you want to display software components on the report. Enter the number of the system ID for which you want to include software components. The system defaults to the current system ID.

2. EMPLOYEE NUMBER (5-N-R)

This field enables you to include only those software components locked by a specific employee on the Software Lock Report.

To display only software components locked by a specific employee on the report, enter the employee number. If the number is not known, enter the first letters of the last name followed by a hyphen (-). The system displays a table of employees whose names match your entry; select the desired employee.

To include software components regardless of the employee who locked them, enter **A** or press ENTER to accept the default of All.

3. ITEM NUMBER (10-AN-R)

This field enables you to create a Software Lock Report for a specific item number. To create the report for one specific item number, enter the item number. To include software for items regardless of their item number, enter **A** or press ENTER to accept the default of All.

4. COMPONENTS (1-A-R)

This field enables you to create a Software Lock Report for one software component. The system defaults to All Components. When you access this field, the system displays the following prompt:

All Components? [Y]--

To include all software components on the report, enter **Y** or press ENTER to accept the default of Yes. To create the report for one or more specific components, enter **N**. The system displays the following table:

General Hospital Software Lock Report Processor	
Mon Apr 27, 1992 12:42 pm	
Page:01	Software Components
(1) Data Dictionary	
(2) Form Libraries	
(3) Forms	
(4) Horz Screen Libraries	
(5) Horz Screens	
(6) Menu Libraries	
(7) Menus	
(8) Programs	
(9) Scrolling Screens	
(10) Vert Screens	
(11) Result Zblocks	
Enter choice, or NL for Programs	

Select the type of the component you want to include on the report. The system then displays the following prompt:

Enter Programs--

Enter the name of the component, or enter the first few letters followed by a hyphen (-) to include all component whose names begin with the letters.

5. COMMENTS (1-A-R)

This field enables you to display lock comments on the report. Enter **Y** to display lock comments on the report. The system defaults to No.

6. DEVICE (3-N-R)

This field identifies the name of the device on which the report should display or print. To print the report on a printer, enter the port number of the printer. The system defaults to Current Device.

A sample Lock report is displayed in Figure 2.1. The report is sorted by component type, and then the component name.

Figure 2.1 Software Lock Report

10/09/95 12:19P		Software Lock Report		Page: 1	
		General Hospital ID - 1			
Components : All				Item : All	
Employee : All					
Component Type/Name		Employee		Date/Time	
-----		-----		-----	
FL	CAAK121F	12143	Leo,Christina	04/27/95 1438	TSR12425
FL	CVARLT293F	32280	Nelson,Ray	03/25/95 1345	TSR12567
FL	FAI121	32280	Nelson,Ray	04/09/95 2337	TSR12567
FL	LDINAT	32280	Nelson,Ray	03/26/95 1334	TSR12567
FL	PAMBCITY	12143	Leo,Christina	04/28/95 0844	TSR12425
FM	AAATEST	32280	Nelson,Ray	03/26/95 2039	TSR12567
FM	BLPFLBC	32280	Nelson,Ray	03/19/95 2357	L1264
FM	CAFANTF	32280	Nelson,Ray	04/11/95 1116	WO12345
FM	CAFCRD	13444	Sayre,Tonia T	04/27/95 1808	TEMP
FM	CPFFRM	32280	Nelson,Ray	04/13/95 0923	TSR12567
FM	CPFPAT	32280	Nelson,Ray	04/11/95 1119	WO12345
FM	CRFBIL	32876	Davis,Kimberly D	07/31/95 1527	CL123456
FM	GAFCBC	32280	Nelson,Ray	04/09/95 2136	TEMP
End of Report					

VERSION FUNCTIONS

Versioning is the assignment of a unique number to individual software components. The assignment of the version number takes place as changes are made to software components. The following software components are assigned version numbers:

- Forms
- Data Dictionaries
- Horizontal Libraries
- Form Libraries
- Menu Libraries
- Scrolling Screens
- Horizontal Screens
- Super Menus
- Result Blocks
- Vertical Screens
- Programs

Version numbers serve several different purposes:

- The *identifier* in the version number identifies components as base software or customized.
- The *counter* in the version number identifies which base software is more recent.
- The *release number* in the version number identifies the release in which a change was made.
- The version number of customized programs reflects which base version was modified.

Version numbers are eight-digits in length and use the following format:

```

  9      9999      999
  \      \      \
  \      \      \ Release Number (ie 103 for 10.3)
  \      \      \
  \      \      \ Sequence Number (0000-9999)
  \      \      \
  \      \      \ Identifier (0-9)

```

The identifier is used to define the source of the software component's last update, according to the following standard:

Identifier	Source
0	STAR Product Development ID
1	STAR Product Non-Development ID
2	Software Distribution CPU
3	Region/Support CPU
4	Customer CPU
9	Temporary Change

The counter number is incremented only in the McKesson STAR Product Development ID. The counter is updated with each revision of a software component and is specific to the release being developed.

The release number is obtained from the ID parameters in Software Control. In most cases, the version number is eight digits in length, depending upon the release number defined in the ID parameters in Software Control.

When modifying software in a non-development ID, only the identifier of the version number is changed, reflecting the source of the change. The counter and the release number of the version number remain the same, making it possible to trace customization to the base version number. If a component does not have a version number, the counter is 0000 and the release defaults to the release number defined in the ID parameters.

Version functions are located on the Version Functions menu:

```

General Hospital Version Functions Processor
                                     Mon Feb 14, 1994 03:37 pm
Version Functions Input Options

Option No.  Option
-----
      1      Display Version Number
      2      Flag Temporary Changes

Enter option number--

```


Display Version Numbers

This function is used to display version numbers of specified components. When you access this function, the system displays a table of software component types, as in the following example:

```

MV/6000 Systems Development Display Version Number Processor
                                     Wed Jan 16, 1991 10:49 am
Page:01                               Software Components
( 1) Data Dictionary
( 2) Form Libraries
( 3) Forms
( 4) Horz Screen Libraries
( 5) Horz Screens
( 6) Menu Libraries
( 7) Menus
( 8) Programs
( 9) Scrolling Screens
(10) Vert Screens
(11) Result Zblocks

Enter choice, or NL for Programs
```

The system uses as a default the last component type selected; in our example screen this is *Programs*. Press ENTER to accept the default, or select the option number of a different component type to display.

The system then prompts you for the component name. This prompt varies depending upon the component type selected; in our example below, *Programs* was selected.

Enter Programs--

Enter the name of the component to display. The system then displays information about the component, including the version number:

```

MV/6000 Systems Development Display Version Number Processor
                                     Wed Jan 16, 1991 10:49 am

Component: PR - AGLG
Version   : 90000102

Press NL
```

If you enter a component that does not exist, the system displays the version number as *Not Found*. If you enter a component that does not have a version number, the system displays the version number as *None*.

Flag Temporary Changes

This function is used to flag a component as a temporary version. Flagging a component as a temporary version enables you to transfer the software component and overlay the original, even though the original is customized.

When you access this function, the system displays the following prompt:

Flag (P)rofile or individual (C)omponents?--

Enter **P** to flag all components defined within a profile. Enter **C** to flag individual software components.

COMPONENTS

If you enter C to flag individual components, the system displays a table of software component types, as shown below.

```

      MV/6000 Systems Development Display Version Number Processor
                                     Wed Jan 16, 1991 10:49 am
Page:01                               Software Components
( 1) Data Dictionary
( 2) Form Libraries
( 3) Forms
( 4) Horz Screen Libraries
( 5) Horz Screens
( 6) Menu Libraries
( 7) Menus
( 8) Programs
( 9) Scrolling Screens
(10) Vert Screens
(11) Result Zblocks

Enter choice, or NL for Programs
```

The system uses as a default the last component type selected; in our example screen this is *Programs*. Press ENTER to accept the default, or select the option number of a different component type to flag.

The system then prompts you for the component name. This prompt varies depending upon the component type selected; in our example below, *Programs* was selected.

Enter Programs--

Enter the name of the component to be flagged as temporary. The system then displays a screen similar to the following:

```

      MV/6000 Systems Development Flag Temporary Changes Processor
                                     Wed Jan 16, 1991 10:51 am
Component: PR - CAGENN2
Version   : 10000102

Flag Programs - CAGENN2 as temporary version? (Y/N)--
```

Only customized components may be flagged as temporary. If a component is selected that is not customized, the system displays the following error and prompts you for another component type selection.

Error: Base component may not be temporary!

If you enter a component that does not exist, the system displays the version number as *Not Found*. If you enter a component that does not have a version number, the system displays the version number as *None*.

At the bottom of the screen, the system prompts you to flag the component as temporary. Enter **Y** to flag the displayed component as temporary. Enter **N** to exit the screen without flagging the component as temporary.

NOTE: Software that needs to be flagged as temporary for the current transfer to Live queue may be done at any time prior to transfer to Live. Software that needs to be flagged for the transfer to Test should not be flagged until the transfer to Live is complete. This is important to ensure that the version number is correct for each component.

For example, the program ATFSU is in the transfer to Live queue and in the transfer to Test queue. It has a four (4) in the identifier position in both IDs. If the component is flagged in the test ID before the transfer to Live has taken place, the component moves into the live ID with a temporary version number. The next time this program is in the transfer queue the destination ID does not appear as custom, but as a temporary change override and may, in turn, not be evaluated. This could result in lost customization in the live ID.

PROFILE

If you enter P to flag all components defined in a profile, the system displays the following prompt:

Enter profile name or first letters '-' to list --

Enter the profile name or first letters and a dash (-) to list. Or simply enter a dash (-) to list all profiles in the ID. Once the profile selection is made, the system displays the following prompt:

Flag all components of this profile as temporary changes? (Y/N) --

Enter **N** to abort the process and return to the profile selection prompt. Enter **Y** to flag all defined software components as temporary. As the components are flagged, the component and version number display.

BEFORE AND AFTER IMAGE FUNCTIONS

The before and after image functions are a set of functions used to maintain the images created of the software made by software control as software is modified. The images are stored in global files and are used for documentation and debugging. The system captures a before image the first time a component is saved for a new item number. Before images are captured for the following component types:

- Forms
- Form Libraries
- Horizontal Screens
- Horizontal Screen Libraries
- Menus
- Menu Libraries
- Programs
- Result Zblocks
- Scrolling Screens
- Vertical Screens

Print Before/After Image

The Print Before/After Image function enables you to print the software changes for an item number. The function prints the image of the software components as they existed before the changes, and then prints the image of the software components following the implementation of changes.

To print the images, select the item number and the release(s) needed. The system enables you to print information for all or selected components. After you identify the components to include in the report, the system requests the device number (printer), paper width, number of lines per page, and whether to include program comments on the report. The header section of each component displays the item number, before or after indicators, and the release number.

The before/after images for screens and menus include only fields that have been modified.

NOTE: This function does not support data dictionaries.

Recover Before Image

This function enables you to retrieve previous versions of software components from the software control files. This function permits you to retrieve only the version previous to the current version.

NOTE: This function does not support data dictionaries.

When you access this function the system prompts you for the item number of the software you want to recover. The prompt defaults to the last item number saved, displaying as follows:

Enter Item number [M1234]--

Enter the item number, or press ENTER to accept the default of the last item number saved. The system then displays a table of the components modified for the item number, as in the following example screen:

```

MV/6000 Systems Development Recover Before Image Processor
Thu Nov 29, 1990 05:00 pm

Page:01
( 1) ATEST
( 2) ATEST2

Programs with Versions for Item M1234

Enter choice--
```

Select the program to be recovered. The system then displays a prompt similar to the following:

(R)estore or (V)iew ATEST previous version for Item M1234? --

The prompt asks if you want to view or recover the previous version. Enter **V** to display the previous version of the software item; the system displays the component.

Enter **R** to restore the previous version of the software item. When you restore, the system automatically offers you the option of removing records from the software control files which link the program with the item number.

The system then displays the following prompt:

```

MV/6000 Systems Development Recover Before Image Processor
Thu Nov 29, 1990 05:00 pm

WARNING:      Removing the changes from the logs removes the component from the
profile log and UNLOCKS the component for the item number!

Remove changes to program (ATEST) for item number M1234 from logs? (Y/N) --
```

Enter **Y** to accept the screen; the system replaces the current version of the program with the before image. If the option to remove the changes from the software control logs has been selected, the system also unlocks the item and removes the program from the profile log. Enter **N** to abort and exit the process.

SOFTWARE CHANGE REPORTS

The following reports are available to give information about software changes tracked by software control.

```

      General Hospital Software Modification Processor
                                Tue Aug 15, 1995 01:14 pm
Software Modification Input Options

      Option No.  Option
      -----
          1      Locking Functions
          2      Version Functions

          3      Print Before and After Image
          4      Recover Before Image

          5      Software Change Report/Profile Build
          6      Customization Report/Profile Build
          7      Software Report by Profile

          8      Forms Maintenance
          9      Menu Maintenance
         10      Global Documentation

Enter option number--

```

Software Change Report/Profile Build

This function is used to create a report or profile of all software changes performed during a specific time period.

When you access this function the system displays the following screen:

```

      VMS CLINICALS TEST SYSTEM Software Change Report/Profile Build Processor
                                Fri Apr 24, 1992 04:12 pm

  1 ID    2 Start Date  3 Start Time  4 End Date   5 End Time
  0  ->          00:00      04/24/92    16:12

  6 Employee Number  7 Item Number  8 Saves/Transfers  9 Components
  All              All           Both              Yes

10 Profile/Report   11 Comments   12 Port Number   13 Profile Name

Enter begin date [All dates]--

```

Field Explanations

1. ID (DISPLAY ONLY)

This field displays the current system ID.

2. START DATE (DATE FORMAT)

This field determines the earliest date for which the report should include software changes performed in this ID.

3. START TIME (TIME FORMAT)

This field determines the earliest time on the date identified in the Start Date field for which the report should include software changes performed in this ID. The system defaults to 00:00 - midnight.

4. END DATE (DATE FORMAT)

This field determines the most recent date for which the report should include software changes performed in this ID. The system defaults to the current date.

5. END TIME (TIME FORMAT)

This field determines the most recent time on the date identified in the End Date field for which the report should include software changes performed in this ID. The system defaults to the current time.

6. EMPLOYEE NUMBER (TABLE LOOKUP)

This field is used to limit the report to changes made by a specific employee. To limit the report to changes made by a specific employee, enter the employee number. If you do not want to limit the report to only those changes made by a specific employee, enter **A** for All.

7. ITEM NUMBER (10-AN-R)

This field is used to identify a specific item number for which software changes were made or changes for all item numbers. To limit the report to only changes made for a specific item number, enter the item number. If you do not want to limit the report to only those changes made for a specific item number, enter **A** or press ENTER to select All item numbers.

8. SAVES/TRANSFERS (1-A-R)

This field enables you to include on the report on those items transferred and/or saved in the selected ID. Enter **T** to include only transferred items, **S** to include only saved items, or **B** to include both. The system defaults to B (both).

9. COMPONENTS (SPECIAL PROCESSING)

This field enables you to limit the items included on the report to a particular component type, such as programs. To limit the report to only a particular type of software component, you select a software component type from the table. The system then prompts you for a component name. Only one component type may be entered at a time.

If you do not want to limit the report to only a particular type of software component, enter **Y** or press ENTER to select all components. The system defaults to all component types.

10. PROFILE/REPORT (1-A-R)

This field identifies whether you want to create the Software Change Report or build a profile. Enter **R** or press ENTER to create the Software Change Report. Enter **P** to build a profile according to the parameters you have identified above. The system then prompts you to enter the profile name; this name displays in the Profile Name field.

11. COMMENTS (1-A-R)

This field determines whether the Software Change Report should include save comments and additional transfer information. To display this information on the report, enter **Y**. Enter **N** if you do not want to include this information on the report.

If an STI was saved or transferred for multiple items, the item numbers display in the comment area.

12. PORT NUMBER (3-N-R)

This field identifies the device (printer or screen) on which the Software Change Report should print or display. To create a hard copy printout of the report, enter the port number of the printer on which the report should print. The system generates the report in background, and then spools it to the selected port. To display the report on your screen, press ENTER. The system generates the report, and then displays the first screen of the report on your screen.

You cannot access this field if you elected to create a profile in the Profile/Report field.

13. PROFILE NAME (15-AN-R)

This field identifies the name under which this profile is to be stored. Enter up to 15 characters for the name. The system checks your entry against existing profile names; if the name you enter is in use, the system displays a warning. You can overwrite the existing profile or return to the field and enter another name. You cannot access this field if you elected to create a report in the Profile/Report field.

The report lists software changes in chronological order. For each software change, the report displays the date and time the change was saved, the component type, the component name, the item number, and the name and number of the employee who saved the change.

The following example of the report contains the first screen of the sample report:

```

04/24/92 4:56P                               Software Change Log                               Page: 1
                                           VMS CLINICALS TEST SYSTEM ID - 9
Start: 04/17/92 0000      End      : 04/24/92 1656  Components : All
Item : All                Employee: All                Saves/Trans: Both

Date/Time      Component Type/Name      Item (*-Trn)      Employee
-----
04/21/92 1251  PR    ATSMP5                *Multiple          07975 Jones,Tim
Merge from ID 15 in profile DLY10315M
M5901,M6475,M6486
04/21/92 1251  PR    CDORGD1                *M5902             07975 Jones,Tim
Merge from ID 15 in profile DLY10315M
04/21/92 1251  PR    CDPWI2C                *M6372             07975 Jones,Tim
Merge from ID 15 in profile DLY10315M
04/21/92 1251  PR    CDPWI2CA               *M6372             07975 Jones,Tim
Merge from ID 15 in profile DLY10315M
04/21/92 1251  PR    CDPWI2CB               *M6372             07975 Jones,Tim
Merge from ID 15 in profile DLY10315M
04/21/92 1251  PR    CFDPE                  *M6540             07975 Jones,Tim
Merge from ID 15 in profile DLY10315M

Press NL--

```

To create an alphabetic list of items, generate a profile.

In the case of ESD transfers through Transfer to Test or Transfer to Live, the name of the profile with which the item was moved displays in the Item # column using the format *DLY_release number_source ID*.

Customization Report/Profile Build

The Customization Report/Profile Build provides you with a report or profile containing software components marked as customized. The report or profile is compiled based on the *identifier* in the version number. To print a report or build a profile, select the Customization Report/Profile Build option from the Software Modification menu.

Once selected, the system displays the following screen:

Clinical Support - System 2 Customization Report/Profile Build Processor			
<W/O>		Thu Oct 21, 1993 01:44 pm	
1 Identifiers	2 Report/Profile	3 Profile Name	4 Report Name
4	Report	N/A	%42LIP
Enter report name or `` for list [%42LIP]--			

Field Explanations

1. IDENTIFIERS (TABLE LOOKUP - R)

This field determines the type of version number you want to find. The following table shows the version number correlation:

Identifier Description	Version Number
R&D CPU	0, 1
SWD CPU	2
Region CPU	3
Customer CPU	4
Not Evaluated	8
Temporary Change	9

2. REPORT/PROFILE (1- A- R)

This field allows you to create a report or a profile of the information compiled from the identifier specified in the Identifiers field. The system displays:

Select (P)rofile or (R)eport--

Enter **R** to create and print a report. Enter **P** to create a profile.

NOTE: If you enter R to create a report, the system bypasses the Profile Name field, moving directly to the Report Name field.

3. PROFILE NAME (15 - AN - O)

Enter the name of your profile in this field. The profile name can be any combination of alpha and numeric characters. The profile name may be up to 15 characters in length.

If you entered R to select Report in the Report/Profile field, the system displays **N/A** in this field and does not permit you to access the field.

4. REPORT NAME (TABLE LOOKUP - O)

This field allows you to define the report name (printer) to which the report is to print. Once a report name is selected, the system displays the name in the field and displays the following prompt:

Change your download report name to %42LIP? (Y/N) [N]--

Enter **Y** to download the report to your PC.

If you entered P to create a Profile in the Report/Profile field, the system displays **N/A** in this field and does not permit you to access the field.

Figure 2.2 Customization Summary Report

General Hospital		Page: 1
Customization Summary Report		
Printed: 08/04/93 12:00 PM		
Identifiers: ALL		
Component Type/Name	Version Number	Customization Source
-----	-----	-----
HS pahdts1	10003121	R&D CPU
FL CAIQ181F	80000121	Not evaluated
FL LADMDATE	30000121	Region CPU
FL XAMLBDT	30000121	Region CPU
ML BASCPSCA	00000121	R&D CPU
MN cdmdp	20000121	SWD CPU
PR CCM	00002121	R&D CPU
PR LAB	40000121	Customer CPU
SS cdsopl	00001121	R&D CPU
SS fasc11	0000111	Temporary change
SS xgsbar	30000111	Region CPU
[End of Report]		

Report Layout

Report Header

HOSPITAL NAME

The hospital name is centered on the first line of the report.

PAGE NUMBER

The page number of the report prints on the first line of the report and is right justified.

REPORT NAME

The report name, Customization Summary Report, prints on the second line of the report. The line is centered on the report.

REPORT DATE AND TIME

The print date and time for the report prints on the third line of the report. The line is centered the report. The date and time follows the label Printed:.

IDENTIFIERS

The identifier for which the report is compiled displays in this field. If all identifiers are chosen, *all* prints in the field. If one or more identifiers are selected, the description of each prints in the field (refer to page 225). The field prints on the fifth line of the report and is left justified. The field is labeled Identifiers.

Report Body

COMPONENT TYPE/NAME

This field contains up to two alpha characters indicating the type of component and the component name. This field prints in the left most column on the first line of the report and contains up to 20 characters. A list of component types is as follows:

- PR Program
- FL Forms library
- HL Horizontal screen library
- FM Form
- HS Horizontal screen
- ZB Result Z-block
- SS Scrolling screen
- GL Global
- ML Menu library
- DD Data Dictionary
- MN Menu
- VS Vertical screen

VERSION NUMBER

This field contains version number of the component. This field prints in the center column on the report.

CUSTOMIZATION SOURCE

This field contains the description of the identifier found in the version number. This field prints in the right most column on the report.

Report Footer

Once the system prints all of the report, *End of Report* prints on the last page.

Software Report by Profile

The Software Report by Profile provides you with a report listing all components defined within a specified profile. To print or view a report, select the Software Report by Profile option from the Software Modification menu.

Once selected the system displays the following prompt:

Enter profile name or first letters '-' to list --

Enter the desired profile name or a hyphen (-) to list the profiles available in the current ID. In the sample screen below, "STIL-" has been entered.

General Hospital Software Report by Profile Processor		
Tue Aug 15, 1995 01:41 pm		
Page:01	Profiles in ID CSA,MSE (11)	
Profile	Audit/Merge ID	Description
(1) STIL4567T	Undefined (999)	Transfer group profile
(2) STIL4567TCC	Undefined (999)	Common Clinicals transfer profile
(3) STIL4567TF	Undefined (999)	Star Financials transfer profile
(4) STIL4567TL	Undefined (999)	Lab transfer profile
(5) STIL4567TM	Undefined (999)	Patient Care transfer profile
(6) STIL5403T	Undefined (999)	L5403 Transfer
(7) STIL5403TL	Undefined (999)	L5403 Transfer
(8) STIL5778TL	Undefined (999)	L5778 Transfer
(9) STIL5813T	Undefined (999)	L5813 Transfer
(10) STIL5813TL	Undefined (999)	L5813 Transfer
(11) STIL5961TL	Undefined (999)	L5961 Transfer
(12) STIL5962T	Undefined (999)	L5962 Transfer
(13) STIL5962TL	Undefined (999)	L5962 Transfer
(14) STIL6000T	Undefined (999)	L6000 Transfer
(15) STIL6000TL	Undefined (999)	L6000 Transfer
(16) STIL6104T	Undefined (999)	L6104 Transfer
(17) STIL6104TL	Undefined (999)	L6104 Transfer
Enter choice--		

Enter the table number for the desired profile. The system then displays the following prompt:

Hardcopy? [N]--

Enter **Y** if you want to print the report. The report prints to the printer defined in the Software Control parameters. Enter **N** or ENTER for the default to display the report to your screen.

The report lists by component type each individual component defined in the selected profile. An example of the report follows.

Figure 2.3 Profile Software Components Report

```

                                Software Components of Profile STIL4567TCC
Globals
  ^A7 ("DD", "562", "03", "C")
  ^A7 ("DD", "563", "02", "C")
  ^A7 ("DD", "575", "02", "C")
  ^A7 ("DD", , , "C", "562;03")
  ^A7 ("DD", , , "C", "563;02")
  ^A7 ("DD", , , "C", "575;02")
  ^CT ("BASE", "INT", "CCC")
  ^CT ("BASE", "INT", "ONS")
  ^CT ("BASE", "PR")
  ^Q3 ("STIL4567T")
  ^Q3 ("STIL4567TCC")
Horz Screens
  cchint
  cchintl
  cchintl
Menu Libraries
  CCHISAUHA
Menus
  a7mntl
  ccmct
  ccmctlp
Programs
  AHL7SLO
  CCHIS
  CCHISER
  CCHISMT
  CCHISMT1
  CCHISQ
                                End of Report

```

Report Layout

Report Header

REPORT NAME

The report name is centered on the first line of the report.

Report Body

COMPONENT TYPE

The report body is divided by component type. The component type description prints on the left margin and in alphabetical order.

COMPONENT NAME

The component names print below the appropriate component type description. The component name is indented to the right.

Report Footer

Once the system prints all of the report, *End of Report* prints on the last page.

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INTRODUCTION

To facilitate installation, McKesson's STAR systems contain libraries of menu functions and a collection of menus. The library consists of functions that you can select and group onto menus as options. It is important to understand the library does not contain predefined *menus*, but rather *functions*.

For example, the library contains:

Specific Functions (menu library elements)

- Lab Order
- Dietary Order
- Discharge

These Specific Functions are collected into:

Groups of Functions (menus)

- Admitting
- Radiology
- Nursing Service

The library of functions and the menus into which these functions are organized are interchangeable and dynamic. This means that you can build and modify menus using any of the functions in the library. If the required functions do not exist in the library, they can be created by using Menu Library Maintenance.

An important distinction in menus and menu functions is that menu names are always listed in lowercase letters, while function names display in uppercase. For example, the menu *camadm1* (Admitting 1) contains the menu function *CTRNPAT* (Transfer).

Menu Maintenance vs. Menu Library Maintenance

It is important to know the difference between Menu Maintenance and Menu Library Maintenance.

Menu Maintenance is used to create/modify *menus* (groups of functions) while Menu Library maintenance creates and modifies the *functions* themselves. Since Menu Maintenance enables you to also access the library, it is necessary that you understand this basic concept.

MENU MAINTENANCE

General Hospital Menu Maintenance Processor	
Wed Jun 01, 1994 02:20 pm	
Menu Maintenance Input Options	
Option No.	Option
1	Menu Maintenance
2	Menu Library Maintenance
3	Delete Menus
4	Generate Menus
5	Copy Menus
6	Copy Menu Libraries
7	Menu Print Functions
8	Change System ID Number

Enter option number--

Option Explanations

MENU MAINTENANCE

Use this option to modify existing menus or create new menus using menu elements from the menu library.

MENU LIBRARY MAINTENANCE

Use this function to add to and edit menu elements in the library.

DELETE MENUS

Use this option to delete a menu. This enables you to delete menus that you no longer wish to use or maintain. You *should not* delete base menus unless notified by McKesson.

GENERATE

Use this option to create codes that enable newly created or existing menus to operate in the system. You can generate a specific menu, a group of menus, or all menus in this ID. You can also generate by library. After a menu is created or edited, it *must* be generated for proper system operation.

COPY MENUS

Use this option to copy an existing menu. This enables you to quickly create a new menu based on an existing menu.

COPY MENU LIBRARIES

Use this option to copy an existing menu library element. This enables you to create a new menu library element based on an existing menu library element.

MENU PRINT FUNCTIONS

Use this option to specify various view and print functions for menus and menu libraries.

CHANGE SYSTEM ID NUMBER

Use this option to change from one ID to another without having to sign-off and sign back on the system.

Menu Maintenance

You build menus using the Menu Libraries and the Menu Maintenance menu builder utility. Use this utility to modify existing menus or create new menus using menu elements from the library. All menu elements must exist in the menu library before you can use them on a new or existing menu.

Before you build a new menu, compare the menu design requirements to similar menus in existence to determine if a new menu is indeed necessary. Frequently, a modified version of an existing menu is sufficient. In this case, use Copy Menus to copy an existing menu into a new menu, and then edit the new menu as necessary.

To create or modify menus, select Menu Maintenance from the Menu Control menu.

Select the menu to be maintained (or built) when the following prompt is displayed:

Enter screen name to edit or first letters '-' --

If a new screen is being built, or if header information indicating the screen type does not exist for the screen, a list of Screen Type Options display. Select *Super Menu*.

The system verifies the screen type being maintained by displaying:

Screen type: Super Menu Correct? (Y)--

After you select a menu, the system prompts you to lock it. You must lock the menu before you can save a change to it. For more information on locking, see Locking Functions in [“Chapter 2 - SOFTWARE CONTROL”](#).

If you access any menu with missing or obsolete libraries, the system displays an error indicating the libraries in question. The system does not allow access until the problem is corrected.

The system then displays a portion of the menu (if it exists).

```

General Hospital Menu Maintenance Processor
                                Tue Sep 21, 1993 10:42 am

1      Newborn Admission (Charge-to)
2      OB Discharge
3      Cancel OB Discharge (Charge-to)

Enter (Blanks/Color/Delete/Edit/Headings/Insert/Move/Parms/Sort/Text) --

```

Menu Maintenance Options

The system displays the following options at the bottom of the screen. Use these options to create and maintain the menu:

Blanks	B	Adds or deletes blank lines. Enter the menu option number before which blanks are to be inserted or deleted.
Color	C	Identifies the intensity or screen display mode of the selected menu option. Enter D for Dim, B for Blink, R for Reverse, U for Underline, or N for Normal.
Delete	D	Deletes an option from the menu.
Edit	E	Replaces an existing option with another option. Enter the option to be replaced. (You <i>cannot</i> modify an element here.)
Headings	H	Inserts a literal heading on a menu. For example, you could enter a heading <i>Orders</i> to the left of a group of order entry options. Enter the number of the heading item to edit, A to add a heading, or D to delete a heading.
Insert	I	Inserts an option on the menu. You can have up to 16 options and blank lines on a screen.
Move	M	Rearranges the order of options on a menu.
Parms	P	Establishes the physical parameters of the menu. This option enables you to alphabetize all options on a menu, and change the format of the numbers preceding the options on a menu, the column in which options are listed, and the maximum number of lines per menu.

If you enter P, the following screen is displayed

```

                General Hospital Menu Maintenance Processor
                                Thu May 25, 1995 10:46 am

( 1)Auto Sort      : No
( 2)Number Format   : ##
( 3)Lines/Column   : maximum available
( 4)# Heading Lines: 0
( 5)  Column Posit:

           1          15          7

Enter field number or '/' starting field number--

```

Sort	S	Alphabetizes groups of options on the menu.
Text	T	Enables you to enter or modify descriptive text concerning this menu, and allows modification of the menu description.

If you enter T for Text, the following prompt is displayed:

Enter (Edit/New/Delete) text or (Modify) description--

Enter **E**, **N**, or **D** to invoke a word processing screen with functionality displayed at the bottom of the screen. Edit/modify/ delete text as required.

Enter **M** to enter a new menu description. This field has a maximum length of 30 characters.

Menu Library Maintenance

Menu Library Maintenance provides a way to maintain and create menu library elements. You can *add* to the library in Menu Maintenance, however, you must use this processor to *modify* any part of an individual element.

When you choose Menu Library Maintenance from the main menu, the following screen is displayed:

```
General Hospital Menu Library Maintenance Processor
                                   Wed Aug 25, 1993 10:06 am
Menu Library Maintenance

Enter partial alias name`-`, *Partial internal name`-`, or (A)dd--
```

To find a menu library element using its alias: Enter the first letters followed by a hyphen (-) to display a table.

To find a menu library element by its name: Enter an asterisk (*) followed by the first letters and a hyphen (-). If the library element exists exactly as you enter it, the first screen is displayed. If it does not exist exactly as you enter it, you must choose the element from a table of elements that start with the letters you entered.

To add a new library element: The system prompts you to give it a name:

Enter Menu Library name to add --

Select a menu library (for example, CGICCPAT). The following screen is displayed:

```
General Hospital Menu Library Maintenance Processor
                                   Wed Jun 02, 1993 10:21 am
Menu Library Name: CGICCPAT
Description: Update Patient

Edit (A)liases, (F)unction groups, (O)ption information or (S)ecurity --
```

ALIASES SCREEN

Use the Aliases screen to define aliases. An alias is another, more descriptive name for a library. For example, the alias defined for the menu library EPMPRO is Abstracting and DRG Functions. The element description acts as an alias. A menu library element can have an unlimited number of additional aliases. Aliases are customer-owned and can be edited.

General Hospital Menu Library Maintenance Processor	
Wed Jun 02, 1993 10:21 am	
Menu Library Name: CGICCPAT	
Description: Update Facilities	
	Aliases
1	FACILITY UPDATE
2	UPDATE FACILITIES
F1Prev Page F2Next Page F3 Insert F4 Delete F6 Reset F7 Exit ?	

Function Keys

F1

Go to the previous page, or use the up arrow to scroll.

F2

Go to the next page, or use the down arrow to scroll.

F3

Insert an alias, or press ENTER until the cursor is positioned at the line after the last alias.

F4

Delete an alias.

F6

Reset an alias to its original value (the value when you first accessed the field).

F7

Exit.

?

The Help key.

If you have changed the aliases, the system prompts you to accept the changes:

Accept these changes? (Y/N)[Y]--

To accept the changes, press ENTER, or enter **Y**. The system files the changes and responds with the following message:

Filed!

FUNCTION GROUPS SCREEN

General Hospital Menu Library Maintenance Processor	
Thu May 25, 1995 10:52 am	
Menu Library Name: CGICCFAC	
Description: Update Facilities	
1 User Function	2 Function Group(s)
No	STAR Menu Selections
3 Owner	4 Application Modules which can use this Function
5 Created Using	6 Other Library Elements Updated
N/A	None

Enter field number or '/' starting field number--

The Function Groups screen is for use by McKesson personnel. It can be viewed only; it cannot be edited.

Field Explanations

1. USER FUNCTION

This field indicates if this function is available to end users.

2. FUNCTION GROUP(S)

The logical group or groups to which the element belongs.

3. OWNER

The product that owns this element.

4. APPLICATION MODULES

The modules that can access the element.

5. CREATED USING

The library from which this element was copied, if applicable. Otherwise, N/A displays.

6. OTHER LIBRARY ELEMENTS UPDATED

The library or libraries to which this element was copied, using the Copy Menu Libraries function.

OPTION INFORMATION SCREEN

General Hospital Menu Library Maintenance Processor			
Thu May 25, 1995 10:20 am			
Menu Library Name: CGICCPAT			
1 Option text			
Update Patient			
2 Screen Header Text		3 Program	4 Next Menu
Update Patient		UP^CGICCU1	->
5 Parameter 1	6 Parameter 2	7 Parameter 3	8 Parameter 4
9 Parameter 5	10 Parameter 6	11 Parameter 7	
12 Variables Passed		13 Variables Returned	
14 Mnemonic Pre-Processing Routine			
15 Mnemonic Post-Processing Routine			
16 Comment			
17 Change Request			
Enter menu name or first letters '-' --			

Field Explanations

NOTE: When editing *base* libraries, the system does *not* assign a non-base version number if customer information is edited.

The field names below marked with an asterisk (*) are client fields. The unmarked field names are for use by McKesson personnel (unless you are creating a new b-element.)

OPTION TEXT*

The description of the menu that displays on the menu select page.

SCREEN HEADER TEXT*

The screen title displayed when this function is accessed.

PROGRAM

This field is used by McKesson personnel only. It is used to set up program calls that call a function or do not initially display another menu. If you are creating a new element, accept the default of *NK^%A*.

NEXT MENU

The next menu (if any) associated with this function. This field states which menu or menu function is called from this menu option. Enter a menu name *only* if you are creating an element.

PARAMETER 1-7

Data to be passed to the next program when this function is selected from the menu. This field is for use by McKesson personnel only.

VARIABLES PASSED

These are the variables passed to the program if called by the network. This field is for use by McKesson personnel only.

VARIABLES RETURNED*

These are the variables to be returned after the VT session. This field is for use by McKesson personnel only.

MNEMONIC PRE-PROCESSING ROUTINE

This field is for use by McKesson personnel only.

MNEMONIC POST-PROCESSING ROUTINE

This field is for use by McKesson personnel only.

COMMENT*

Free text comment about this element.

CHANGE REQUEST*

This field enables you to communicate changes necessary for this element. If this field is filled, the element appears on the worklist.

SECURITY SCREEN

The Security screen is used to define default security that is used when the element is added to a menu. This screen is customer-owned.

General Hospital Menu Library Maintenance Processor	
Wed May 24, 1995 10:22 am	
Menu Library Name: CGICCPAT	
Description: Update Patient	
HBO Default Security	
Security Level Options:	
(1) Hospital Employee (1)	
(2) Ward Clerk (20)	
(3) LPN (22)	
(4) RN (23)	
(5) Head Nurse (25)	
(6) Clinical Director (27)	
(7) Nursing Administration (29)	
(8) Departmental Clerk (40)	
(9) Departmental Technician (50)	
(10) Departmental Professional (60)	
(11) Departmental Supervisor (70)	
(12) System Manager (80)	
Enter minimum security for this option	

NOTE: You cannot change the security on a menu in Menu Maintenance; you can only change the security in the element. When you change the security in an element and regenerate the menus using the element, the menus then reflect the new security.

DELETE MENUS

Delete Menus is used to delete or remove menus. Note that *there is no double-dare prompt for this process*. **Do not delete base menus, even if the system allows that option.**

To delete menus:

Select Delete Menus from the Menu Maintenance menu.

The system prompts you for the menu to be deleted:

Enter menu name or first letters'-'--

The process displays the menu and asks for verification:

Delete menu xxxx (Y/N) ?--

Enter **Y** to delete the menu.

If you delete the menu, the system displays:

Menu Deleted!

GENERATE MENUS

This process re-creates menus in the system, incorporating all changes and additions you have made since the last generation.

To access the Generate Menus function:

Select Generate from the Menu Maintenance menu.

The following prompt is displayed:

Generate menus by (L)ibrary or (M)enu selection [L]--

If generating by library, enter **L**. The system prompts you for the library name:

*Enter partial alias name '-', *partial internal name '-' --*

Select a library. The system displays menus using that library and prompt you to confirm your choice:

Generate menus for element xxx (Y/N)[Y]--

Enter **Y** to generate. The message displays:

Menu generation for library xxx started!

If generating by menu selection, enter **M**. The system prompts you for the menu name:

Enter menu name, first letters '-' or (A)ll--

You can generate multiple menus at once by entering the first letters followed by a hyphen (for example, CAM-).

Enter menus (i.e. 1,3-5) '-' choices to remove

The system prompts you to confirm the action:

Generate menus selected? (Y/N)--

Enter **Y** to begin generating menus. The system displays the following message:

Menu generation started!

COPY MENUS

Copying menus within an ID allows you to develop additional (similar) menus quickly and effectively.

To copy menus, select Copy Menus from the Menu Control menu. The system requests identification of the menu to be copied:

Enter menu screen name or first letters'-'

After selecting the SOURCE menu, specify the new menu name:

Copy xxxx to what new screen name--

The system prompts you to confirm that the copy names are correct:

Copy xxxx to yyyy (Y/N)--

If the information is correct, enter **Y**. The system copies the menu for the source *menu* name into the destination *menu name*.

COPY MENU LIBRARIES

Copying menu libraries within an ID allows you to develop additional (similar) menu libraries quickly and effectively. To copy menu libraries:

Select Copy Menu Libraries from the Menu Control menu.

The system requests identification of the menu library to be copied:

*Enter partial alias name`-`, or *Partial internal name`-` --*

If a wildcard lookup is selected, for instance, *CA-, you can select from a screen that lists those items, as shown in the following example:

General Hospital Copy Menu Libraries Processor	
Tue May 23, 1995 11:19 am	
Menu Library Copy	Menu Libraries
Page:01	
Library Name	Description
(1) CACCTM	Account Master Maintenance
(2) CACHG	Charge/Credit/Inquiry
(3) CADM82I1	UB 82 Page Two
(4) CADMDTE	Revise Admission/Discharge Dates
(5) CADMGEHI	Guarantor Employer Page
(6) CADMGEII	Guarantor Employer Page
(7) CADMGEIM	Guarantor Page
(8) CADMOPD1	OP Disposition Page 1
(9) CADMOPD2	OP Disposition Page 2
(10) CADMORD	Admission Order Menu
(11) CADMPATG	Admission
(12) CADMPEHI	Patient Employer Page
(13) CADMPEII	Patient Employer Page
(14) CADMPEIM	Patient Employer Page
(15) CADMPPR	Daily Patient Process Review
Enter choice--	
	next page(/)

Once a library is selected, the system displays the option information and prompts you to create the element:

Create a copy of this library element? (Y/N) [Y]--

The system then prompts you to name the menu library:

Enter the new menu library name--

Enter the menu library name, following the naming conventions. When the copy is complete, the system displays a message similar to the following:

Copying of CACHG to BCACHG completed!

MENU PRINT FUNCTIONS

When you access this option, the system displays the following menu:

General Hospital Menu View/Print Functions Processor	
Wed Jun 01, 1994 02:38 pm	
Menu Print Functions Input Options	
Option No.	Option
1	Print menus
2	Print menu save log
3	Print menu library
4	Print menu hierarchies
5	Print menu options by product
6	Employee Initial Menu

Enter option number--

The options on this menu are explained in the following pages.

Print Menus

When making a change to a menu or adding a new menu, it is recommended that you file a printed copy of the menu to track the changes made. Use the Print Menus option to obtain a printed copy of a menu.

To access the Print Menus function:

Select Print Menus from the Menu Print functions menu.

The system asks for identification of the menu(s) to print:

Enter screen name, first letters '-' or (A) //--

Enter **A** for All to print all Menus and Super Menus or enter the first letters followed by a hyphen (-) to select certain menus.

When you select the menu(s), you are prompted with the option of printing the programming details with the screen images. To print details, enter **Y** or press ENTER when the following prompt is displayed:

Print screen detail [Y] ?--

If only one menu is selected and screen detail is requested, the menu displays the following prompt:

Enter fields to print or 'A' for all [A] --

The system prints detail for only the selected fields. If multiple menus are selected, detail prints for all fields.

You must then select the output device:

Enter printer port number--

The system begins printing the menu(s) in background, and displays the following message:

Screen Print Started!

Print Menu Save Log

Each time a screen is saved or generated, an entry is put in the Save Log. This utility is used to track saves.

Select Print Menu Save Log from the Menu Print menu, and then select the screen(s).

Enter screen name, first letters '-' or (A) // --

Enter the name of the screen to print, or enter the first letters followed by a hyphen (-) to display a table of multiple selections. If you want to print the save logs on all menus, enter **A**.

The following screen is displayed:

General Hospital Print Screen Save Log Processor			
Tue Sep 21, 1993 10:18 am			
1 Begin Date	2 Begin Time	3 End Date	4 End Time
->			
5 Programmer Initials	6 Port Number		
Enter begin date [Beginning]--			

Field Explanations

1. BEGIN DATE

The date to begin the search. The default is the first date for which there is data.

2. BEGIN TIME

The time to begin the search. The default is the first time for which there is data on the date selected.

3. END DATE

The date to end display. The default is today.

4. END TIME

The time to end display. The default is the current time.

5. PROGRAMMER

Programmer's initials for which to search. The default is all programmers.

6. PORT

Port to which to send the report. The default is home or your screen.

The save logs are displayed or printed.

Print Menu Library

When making a change to a menu library or adding a new menu library, it is recommended that you file a printed copy of the menu library to help you track the changes. Use the Print Menu Libraries function to obtain a printed copy.

To access this function, select Print Menu Library from the Menu Print menu. The system prompts you to identify the menu element(s) to print:

Enter menu library name to print, first letters '-' or all(A) --

Enter the library name or first letters followed by a hyphen (-). To display a help list of library names, enter the first letter(s) followed by a hyphen (-). You can also enter **A** for All to print all the defined menu elements for this ID.

If you enter first letters and a dash, you can select multiple elements from a table by entering a partial name followed by a hyphen (-), or you can enter **A** to print all matches (for example, print all elements that match the name beginning with CA).

If you enter A, every menu library element whose name matches the first letters entered preceding the hyphen are printed.

```

General Hospital Print Menu Library Processor
                                Tue May 23, 1995 10:19 am

Page:01                        Function elements defined      ##=Current Choices
( 1) CACHG                     Charge/Credit/Inquiry
( 2) CADM82I1                  UB 82/92 Page Two
( 3) CADMDTE                   Revise Admit & D/C Dates/Times
( 4) CADMGEHI                  Guarantor Employer Page
( 5) CADMGEHIU                 Guarantor Employer Page
( 6) CADMGEII                  Guarantor Employer Page
( 7) CADMGEIM                  Guarantor Page
( 8) CADMOPD1                   OP Disposition Page 1
( 9) CADMOPD2                   OP Disposition Page 2
(10) CADMORD                    Admission Order Menu
(11) CADMPATG                   Admission
(12) CADMPEHI                  Patient Employer Page
(13) CADMPEHIU                 Patient Employer Page

Enter function elements to print (i.e. 1,3-5) or all matches(A)--
                                end selection(NL)  next page(//)

```

To print only those menu elements that have Change Requests outstanding in order to provide a Worklist for programming, enter **Y** at the following prompt:

Print only change requests (Y/N) [N]? --

The usage cross-reference can be printed for each menu library element printed. To print a list of the menus using each element printed, enter **Y** at the following prompt:

Print menus using this element? (Y/N) [N]--

Some base menu library elements are set up to update site specific menu library elements. If you want to print the list of site-specific menu library elements that are copies of a given base menu library element, enter **Y** at the following prompt:

Print list of elements updated? (Y/N) [N]--

Select the port to direct the printed output:

Enter port number--

The system begins printing, and displays the following message:

Printing!

Print Menu Hierarchies

Use Print Menu Hierarchies to print menus with their related submenus (if any). To access this function, select Print Menu Hierarchies from the Menu Print Functions menu. The system requests identification of the menu(s) to be printed:

Enter menu name, first letters '-' or (A)!!--

Enter a menu name or first letters followed by a hyphen (-) to choose from a table or enter **A** for All to print all menu hierarchies for all menus on the system.

You have the option of printing the program names for options that do not call submenus. Enter **Y** at the following prompt:

Print program names (Y/N) [N] ?--

Select the port for the output print:

Enter printer number--

The system displays the following message:

Printing!

Print Menu Options by Product

This option can be used to print menu libraries by product letter. For example, all Radiology menu libraries can be printed by indicating the product letter as the first letter of the menu group.

The system provides for the printing of all menu options for each product as follows:

1. The system prompts you for the first letter of the menu group to print.

Enter the first letter of the menu group--

Enter the letter corresponding to the application whose library elements you wish to print.

2. The system double-dares you before starting the report, as this is a lengthy report.

Generate a menu options report for all menu options beginning with (application letter from prompt above)? (Y/N)--

To print the report, enter **Y**.

NOTE: Before answering yes to this prompt, make certain the printer you indicated is available and there is a sufficient supply of paper loaded.

3. If the report is to be printed, the system displays the following message:

Report compiling!

The report is sorted by option description and includes the following:

- Option description
- Menu library element name (not defined if none for option)
- Option variables (next program or menu, parameters, etc.)
- Names of the menus using the option
- Total number of menus using the option
- Total number of options that are not associated with menu *library elements* (printed at the end of the report)

A second report, the Menu Options Without Library Elements, is compiled at the same time as the Menu Options Report and is printed immediately after it. It lists all of the menu options that are not associated with menu library elements for the application selected.

The Menu Options Without Library Elements Report is sorted by menu and includes the following:

- Menu name
- Option number on the menu
- Option description
- Option variables (next program or menu, parameters, etc.)

Employee Initial Menus

This function is used to print a list by employee of the initial menu code and menu name assigned to that employee.

When you access this function, the system prompts you to print a list:

Print list of user initial menu assignments? (Y/N) [Y]--

Enter **Y** to print the list. The system then prompts you to enter the report name:

Enter report name or first letters '-' --

The message, *Report compiling!*, displays.

Chapter 4 - FORMS MAINTENANCE

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INTRODUCTION

Forms Control provides for the online creation and maintenance of simple report formats most often used by hospital applications, such as admission forms, notices, and requisitions. Form fields (elements) are maintained in a library that is accessible online by name, partial letter match, aliases or database lookup.

You can create forms by entering field descriptions for each line and by selecting fields from an online field library. During the maintenance process, you enter online characteristics such as display line and column.

Forms Functions

Forms Maintenance includes the ability to:

- Add new print lines to forms
- Edit existing lines
 - Add (add elements to existing lines)
 - Edit (delete and move fields on existing lines)
- Delete existing lines
- Copy lines from one position to another within a form.

The following two forms maintenance options are purposely *excluded*, because of their explicit MAXIMUMPS coding nature—they are McKesson-only functions:

- Edit flow [control] (F)
- [Node] reader (R)

If you should access any form with missing or obsolete libraries, the system displays an error indicating the libraries in question, and does not allow access until the problem is corrected.

Form and Form Element Library Concepts

Forms provide printed copies of various system transactions. This printed collection of data is composed of various form elements, each containing specific information. For example, the STAR Patient Care form **CAFFRM** (Admission Form Requisition), contains several elements. One of these is **CAMP51F** (Patient Type).

The elements that print on forms are collected into a *forms library*. You can use this library of elements to change current forms or build new ones.

When editing a form element, be aware of database considerations. When an element is edited, you have the option of making the change system-wide or form-specific. Should an element be edited and *not renamed*, changes made are reflected on every form on which this element appears.

NOTE: You cannot rename base elements.

Form and Form Element Naming Conventions

The naming conventions for forms are similar to those for menus. For example, in the form **CDFLB** (STAR Laboratory Requisition), the **C** represents STAR, **D** means it is an Order, **F** signifies this is a form and the **LB** tells the purpose of the form (LAB).

In creating and changing forms, keep in mind that with printed output, column and line assignment and form width must be considered.

To work with forms effectively, you must understand these concepts:

- the relationship between forms, form elements, and the database
- the forms library concept
- naming conventions for forms and form elements

and then be able to perform these tasks:

- Create and modify form elements
- Create and modify forms

Forms Maintenance Menu

After you select Forms Maintenance from the Software Modification menu, the system displays the Forms Maintenance menu:

```

      General Hospital Forms Maintenance Processor
                                Wed May 24, 1995 02:43 pm
Forms Maintenance Input Options

      Option No.  Option
      -----
          1      Form Maintenance
          2      Form Library Maintenance
          3      Delete Forms
          4      Generate Forms
          5      Copy Forms
          6      Print Form Library
          7      Print Example Forms
          8      Print Library Usage Report
          9      Change System ID Number

Enter option number--

```


Option Explanations

FORM MAINTENANCE

Use this option to modify existing forms or create new forms using form elements from the forms library. All form elements must first be inserted in the database and library before they can be used in creating or modifying a form.

FORM LIBRARY MAINTENANCE

Use this option to add to and edit form elements in the library.

DELETE FORMS

Use this option to delete a form.

GENERATE FORMS

Use this option to regenerate forms using the information defined in form maintenance. You can generate a specific form, a group of forms, or all system forms. After a form is created or edited, it *must* be generated for proper system operation.

COPY FORMS

Use this option to create a copy of an existing form.

PRINT FORM LIBRARY

Use this option to print some or all of the elements in the Form Element Library.

PRINT EXAMPLE FORMS

Use this option to print an example of a form.

PRINT LIBRARY USAGE REPORT

Use this option to print a list of the form elements defined in the library and the forms on which they are used.

FORMS MAINTENANCE

Use this option to modify existing forms or add new forms using form elements from the Library. All form elements must exist in the database and forms library before they can be used on a form.

Before you modify a form, compare the form design requirements to similar forms in existence to determine whether you can copy and modify an existing form rather than make major changes to an existing form. Use the Copy Forms function to copy an existing form.

To modify forms, select Forms Maintenance. The system displays the following prompt:

Enter form name to edit or first letters '-' --

Enter the name of the form to maintain or the first letters followed by a hyphen (-) to select a form from a list.

After you select a form, the system prompts you to lock the screen. You must lock the screen before you can make a change to a form. For more information on locking, see Locking Functions in [“Chapter 2 - SOFTWARE CONTROL”](#).

The system displays the print lines of the form as shown in the following example:

```

                                General Hospital Forms Maintenance Processor
Form CAFFRM: Admission Form                               Mon May 22, 1995 10:37 am
Node reader: F^CCFLO                                     FLOW CONTROL=Line #Lines Code (`*-fields combined)
Line  Description          Line  Description          Line  Description
  1      HEADER LINE 1
  3      HEADER LINE 2
  5      PATIENT LINE 1
  6      PATIENT LINE 2
  7      PATIENT LINE 3
  9      GUARANTOR LINE 1
 10      GUARANTOR LINE 2
 11      GUARANTOR LINE 3
 13      RELATIVES LINE 1
 14      RELATIVES LINE 2
 15      RELATIVES LINE 3
 17 42  F I=1:1:3 ZP P^CC
 42      ADMITTING DIAGNOS
 44      COMMENT LINE
 45      ADVANCED DIRECTIV

Add(A), edit(E), delete(D) or copy(C) lines, edit flow(F) or reader(R)--

```

Option Explanations

ADD (A)

Use this option to add print lines to a form. The system prompts for the number of the line to add and a description of the line being added, and then initiates the process described under Defining/Editing Line Content below.

EDIT (E)

Use this option to edit a line on a form. You can replace the elements with new elements, add elements, or rearrange elements on the line. The system asks for the number of the line to edit, allows editing of the description of the line, and then initiates the process described under Defining/Editing Line Content below.

This option also enables you to edit the description of the print line.

DELETE (D)

Use this option to delete a line from the form. Enter the number of the line to be deleted. The form elements used on that line display. The system prompts for confirmation (Y/N) before deleting this line.

COPY (C)

Use this option to copy an existing form line to an unoccupied line on the form. Enter the number of the line to copy from and then the line number to be copied to. The line to be copied to must be blank.

EDIT FLOW (F)

Do *not* select this option. This option is intended for use solely by McKesson personnel.

READER (R)

Do *not* select this option. This option is intended for use solely by McKesson personnel.

Defining/Editing Line Content

If you are adding, editing, or deleting a form line, the following screen is displayed:

```

                                General Hospital Forms Maintenance Processor
Form CAFFRM: Admission Form                               Mon May 22, 1995 10:52 am
Line 5: PATIENT LINE 1 - Fields not combined
      1           2           3           4           5           6           7
1234567890123456789012345678901234567890123456789012345678901234567890
WHITFIELD,HAMILTON LEE      (404)393-6000 2/12/81  WHITFIELD,HAM M

Col Width Description                                Col Width Description
1   24   PATIENT NAME (24)
29  13   PATIENT PHONE
43   8    PREVIOUS ADMIT DATE
52  28   PREVIOUS ADMIT NAME

Enter add(A), combine(C), edit(E), delete(D), move(M) fields--
next line(/) or previous line(P)

```

The location and description of each form element is displayed. While editing line content in forms maintenance, the following options are available:

Option Explanations

ADD (A)

Use this option to add elements to a form line. The system prompts for the column/line to add. Select an element from the library or add a new element to the library. For more detail on adding elements to a form line, refer to page 410.

EDIT (E)

Use this option to edit existing elements of a form line. The system prompts for the column number of the element to edit. Select an element from the library to replace the current element.

DELETE (D)

Use this option to delete an element from the form line. Enter the column number of the element to delete. The form element displays and the system prompts for confirmation (Y/N) before deleting this element.

MOVE (M)

Use this option to move elements on the form. The system prompts for the current column number of the element to move and the new column number or a relative number of spaces to move (+ moves to the right the specified number of spaces, - moves to the left the specified number of spaces).

If you are editing, adding or deleting an element from a form line, the following screen is displayed:

```

MV6000 Forms Maintenance Processor
                                Sat May 27, 1995 12:06pm
Form FORMNAME : Form Description
Line #: LINE DESCRIPTION
      1          2          3          4          5          6          7
123456789012345678901234567890123456789012345678901234567890

      Column XX
(1)Library name   : NAME
(2)Node Name     : NODE NAME
(3)Description    :
(4)Example Output :
(5)Display length :
(6)Truncate      :
(7)Input Classes  :
(8)Display Control:
(9)Change Request :

```

NOTE: Refer to Forms Library Maintenance in this section for a complete explanation of the fields displayed for form elements and for detail on adding an element to the library.

Select the appropriate element and press ENTER. The following prompt is displayed:

Accept this screen? (Y/N)-- [Y]

Enter **N** to continue editing.

Enter **Y** or press ENTER to accept the forms element. After you accept the changes, the system returns you to the element selection display.

After all modifications are made to the form, the system prompts you to accept the changes:

Accept these changes (Y/N) ? --

To continue editing the form, enter **N**.

FORMS LIBRARY MAINTENANCE

Use this option to add and edit form elements in the forms library.

After you select this function, the system displays the following prompt:

*Enter alias to lookup or add (A) to the library --
Look up options: *Internal name(-) or database lookup (D)*

Enter **A** to add a library element. Before adding an element to the system, it must first be defined in the database (Refer to “[Chapter 6 - GLOBAL DOCUMENTER](#)”).

Enter **D** to look up an element through the global documentation. You are prompted for the global, node, and piece number. All elements associated with the entered global information display.

Enter the first letters or a dash (-) to look up an element by one of its aliases.

To look up an element by its 10-character name, enter an asterisk (*) followed by the first letters of the name.

MV6000 Forms Library Maintenance Processor		Sat May 31, 1986
01:31 pm		
(1)	Library name :	
(2)	Node name :	
(3)	Description :	
(4)	Example output :	
(5)	Display length :	
(6)	Truncate :	
(7)	Input classes :	
(8)	Display control :	
(9)	Change Request :	

Field Explanations

NOTE: When editing *base* libraries, the system *does not* assign a non-base version number if customer information is edited. If you edit a base library, you must generate the forms using the element in order for the system to effect the changes. For more information, refer to Generate Forms on page 418.

The field names below marked with an asterisk (*) are customer fields. The unmarked field names are for use by McKesson personnel (unless you are creating a new B-element).

1. LIBRARY NAME

This field contains the name of the forms element.

2. NODE NAME

This field displays the description of the global node associated with this element. When increasing the length of an element, the node involved must be checked to ensure database integrity and proper system performance.

3. DESCRIPTION*

This field contains a description of the element that displays when a table of elements displays.

4. EXAMPLE OUTPUT*

This field displays an example of information that would typically be contained in this element. For example, one of the descriptions associated with the element CITY could be Atlanta. This item prints on example forms and displays at the top of the screen in forms maintenance.

5. DISPLAY LENGTH*

This field identifies the length of this element in columns.

6. TRUNCATE*

This field determines if the information contained in this element can be truncated to the display length to fit the space available on the physical form. For example, if the element PHYS (Physician's Name) is established with a length of 33 characters, but is inserted onto a form with space for 30 characters, you can elect to truncate this element at 30 characters by entering **yes** here and **30** in the Display Length field.

7. INPUT CLASSES

This field controls data access from the database.

8. DISPLAY CONTROL*

This field contains the code that formats data for printing.

9. CHANGE REQUEST*

This field may be used to document why an item is changed. The Worklist option under Print Forms Library includes all elements with a change request entered.

When all fields are completed, the following prompt is displayed:

Accept this screen? (Y/N)-- [Y]

Enter **N** to return to editing the screen.

Press ENTER or enter **Y** to accept the changes. The system displays the following message:

Library Updated!

After maintaining the forms element, you can search and display all form names that use this element.

The following prompt is displayed:

Edit library aliases(A), View forms usage(V) or Delete(D) --

Enter **A** to edit the description and the aliases. Enter **V** to view the forms on which this element is used. Enter **D** to delete the element.

NOTE: The element cannot be deleted if it is used on any forms.

Do not delete base libraries unless this is indicated by an STI implementation step.

The system returns you to the element selection prompt at the beginning of the function.

PRINT FORMS LIBRARY

Use this option to print some or all of the elements in the Form Element Library.

After you select Print Forms Library from the Forms Control Menu, the system displays the following prompt:

Print single elements(S) library(L) or worklist(W)--

To print a single element in the forms library, enter **S**. To print all defined library elements, enter **L**. To print a worklist of all library elements with text in the change request field for the element, enter **W**.

Next the system displays the following prompt for routing the output:

Enter printer number--

Enter a printer number.

If you enter S to print a single element, after selecting the printer, the system prompts you for the element to print:

Enter element name of first letters ('-' for list)--

The system displays the following message:

Printing!

An example of the printed report follows:

Figure 4.1 Forms Library Report

General Hospital Form Library	
Sat May 27, 1995 02:01 pm	
(01) Name/Node	=> ABSDATE/Abstract Census
(02) Description	=> ABSTRACT COMPLETE DATE
(03) Example output	=> 02/03/85
(04) Input Class	=> E
(05) Change Request	=>
(06) Length	=> 8
(07) Truncate	=> No
(08) Display expression	=> @\$ZZDH(\$P(EK,,6))

PRINT EXAMPLE FORMS

Use the Print Example Forms option to print an example of a form. The system uses the text defined in the Example Output field defined in each library, and prints it in the format defined for the form.

When you choose this function, the system prompts you for the form name:

Enter form name, first letters '-' or all(A)-- CAFFRM

Once a form name is entered, the system prompts for the printer port:

Enter port number to receive report--

NOTE: When the example output text does not fill the entire potential length as defined in the Display Length field, the form field is filled out with hyphens (-) and ends with < to indicate the last character of the field.

COPY FORMS

Use this option to make a copy of an existing form. When copying a form, use the standard naming conventions.

After you select Copy Forms from the menu, the system prompts for the form to use:

Enter form name to copy or first letters'-' --

Enter the form name to create:

Enter new form name--

Using the appropriate naming conventions, enter the name of the *new* form.

The system copies the form, that can then be accessed from forms maintenance.

The following message displays when the copy is taking place:

Copying form cafadm to form bcacadm

NOTE: Unlike menus, you *cannot* overlay a form that already exists.

DELETE FORMS

Use this option to delete forms. You should use extreme caution when deleting a form. Be sure you have a backup copy or are deleting the backup copy itself.

After you select Delete Forms from the menu, The system prompts for the form name to delete:

Enter form name to delete or first letters '-' --

Enter a form name or enter a hyphen (-) and select a form from a list.

The system displays the following prompt to confirm the delete:

Form ABC will be deleted Accept (Y/N) [N] ?--

To delete the form, enter **Y**. To return to the form selection prompt, press ENTER or enter **N**.

PRINT LIBRARY USAGE REPORT

Use this function to print a list of the form elements defined in the library and the forms on which they are used.

After you select Print Library Usage Report from the menu the system prompts you for the printer to route the report:

Enter printer number to receive form library usage report--

Enter a printer number.

The system displays the following message while it generates the report:

Compiling and Printing

NOTE: This report is lengthy and does not utilize the SPOOLER. Be sure the printer you choose is available and a sufficient supply of paper is loaded.

An example report follows:

Figure 4.2 Library Usage Report

ACCCODE	Disp	Current	Accommodation	(Description)
			Medical Information	(Node)
CAFFRM			STAR Admission Form	
CRFBIL			STAR Outpatient Bill Form	
CRFFRM			STAR Registration Form	

GENERATE FORMS

Use this option to generate specified forms or all forms. The Generate Forms option creates the code to enable newly created or modified forms to operate in the system. You can generate a specific form, a group of forms, or all system forms. After a form is created or edited, it *must* be generated for proper system operation.

After you select Generate Forms from the menu, the system prompts you to select a form to generate:

Enter form name, first letters '-' or all(A)--

Select a form using one of the following methods:

- Enter a single form name.
- Enter a hyphen (-) to select forms from a list.
- Enter **A** to generate all forms.

After you select the forms to generate, the system displays the following message:

Generate (FORM NAME)? (Y/N)--

Enter **Y** to proceed with form generation. Enter **N** to return to the form selection prompt at the beginning of the function.

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INTRODUCTION

The CST utility enables you to transfer product and non-product software throughout your system:

- **Product Software** - Base System Tracking Items (STIs) software and documentation for generally available application releases.
- **Non-product Software** - Forms and menus for all applications (STAR Laboratory - available forms only) and workorders.

```

General Hospital Software Implementation Processor
                                Tue Jun 02, 2009 06:46 pm
Software Implementation Input Options

Option No.  Option
-----
      1      Display ID/Product Configuration
      2      Tracking Information Display
      3      Tracking Information Print
      4      Tracking Item Movement History
      5      Document Display
      6      Document Print
      7      Navigator/GUI Version Report
      8      Spooler
      9      Software Modification
     10      Software Transfer
     11      Change System ID Number
     12      VT to Another Machine
Enter option number--

```

The Software Transfer option is on the Software Implementation menu.

Once you select the Software Transfer option, the system displays the following Software Transfer menu.

```

General Hospital Software Transfer Processor
                                Mon May 15, 1995 03:59 pm
Software Transfer Input Options

Option No.  Option
-----
      1      Software Evaluation
      2      Software Transfer Functions
      3      Software Transfer Reports
      4      Queue Maintenance
      5      Customer Site Parameters
      6      VT to Another Machine
Enter option number--

```

Option Explanations

SOFTWARE EVALUATION

When you select the Software Evaluation option, you can initiate the software evaluation process or view/print the Software Evaluation report for both product and non-product software.

SOFTWARE TRANSFER FUNCTIONS

The Software Transfer Functions option provides you with the functionality to build software profiles of non-product software you want to transfer from ID 2 or ID 5 to ID 1, as well as the functionality to transfer ESD-delivered software to the Test and Live IDs.

SOFTWARE TRANSFER REPORTS

This option provides access to all reports relating to the transfer of product software as well as the users who have CST or Forms and Menus access to the system:

- The Software Transfer Pre/Post Processing report displays or prints information about the conversions executed in each transfer queue.
- The Software Transfer Audit report lists items transferred by transfer date.
- The Software Transfer Status report displays the number of items in each queue.
- The Item Notification report communicates further documentation for STIs, Pink Alerts, and Hold and Release Notifications.
- The Conversion Log Report contains messages logged by conversions defined within items. This report displays start and end times for conversions, item number, and any defined description.
- The Customer Access Report displays or prints the list of CST users or Forms and Menus certified users who currently have access to the system.

QUEUE MAINTENANCE

This option contains Current Queue Maintenance and Hold Queue Maintenance options.

- Current Queue Maintenance enables you to completely remove all or selected items from a current queue. *Use this function with extreme caution!*
- Hold Queue Maintenance enables you to transfer items to and from a *Hold* queue. Items in the Hold queue do not transfer when the Transfer to Test or Transfer to Live processors are initiated. A *cross check* is performed once a selection is made to insure that only *whole* items are transferred. You may also print a report from the Hold queue listing the item number, product code,

description, and receive/release dates, and the Navigator release an STI is associated with if it is a Navigator STI.

CUSTOMER SITE PARAMETERS

This option enables you to view and define your SC/ESD parameters. These parameters direct SC/ESD to the correct IDs for information storage and software transfer.

VT TO ANOTHER MACHINE

This option enables you to initiate a link over the network to a remote CPU.

TRANSFERRING SOFTWARE

Once ESD software has been delivered to your system, it is ultimately transferred to your Live ID. There are a few steps before the actual transfer of software to the Live ID. Following are overviews of typical ESD software transfers while in support/new install and upgrade modes.

Support/New Install

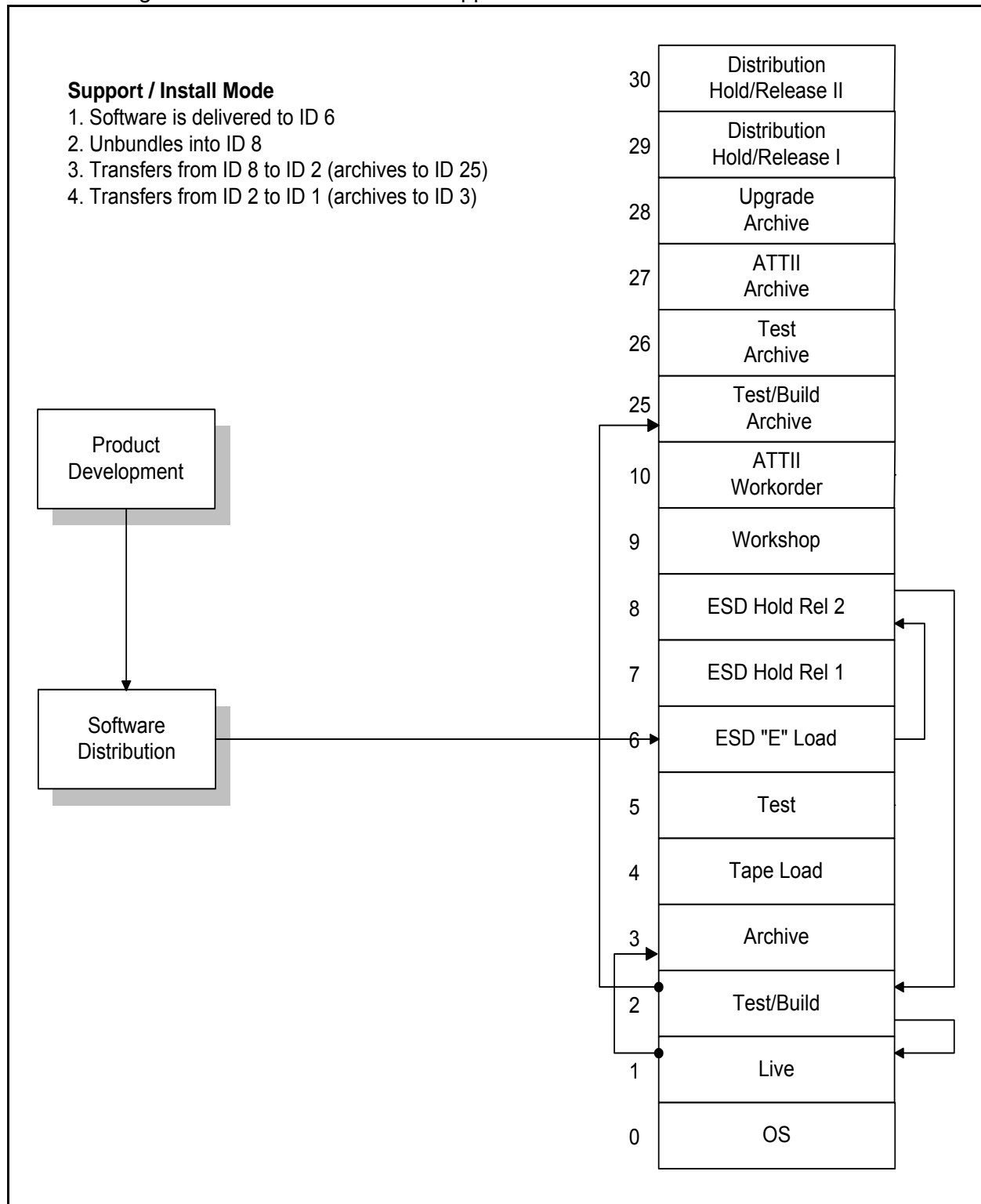
The bundled items remain in the hub CPU's ESD Electronic Load ID (ID 6) until the complete package is delivered. Once a complete package is received, the items unbundle into the hub CPU's ESD Hold ID Release 2 ID (ID 8).

The hub CPU's ESD Hold ID Release 2 (ID 8) contains your *current Test Queue*. The items remain in the Hold ID until you transfer the software via the CST Transfer to Test function. The items then transfer to the Test/Build ID (ID 2) where you implement, test, and build if necessary. (The items are transferred through the network to the remote CPUs in your system.)

Each Test/Build ID (ID 2) contains your *current Live Queue*. The items remain in the Test/Build ID until you transfer the software via the CST Transfer to Live function. The items then transfer to the LiveID (ID 1) after first archiving the software into the Archive ID (ID 3). (The Transfer to Live is initiated for all CPUs from the hub CPU.)

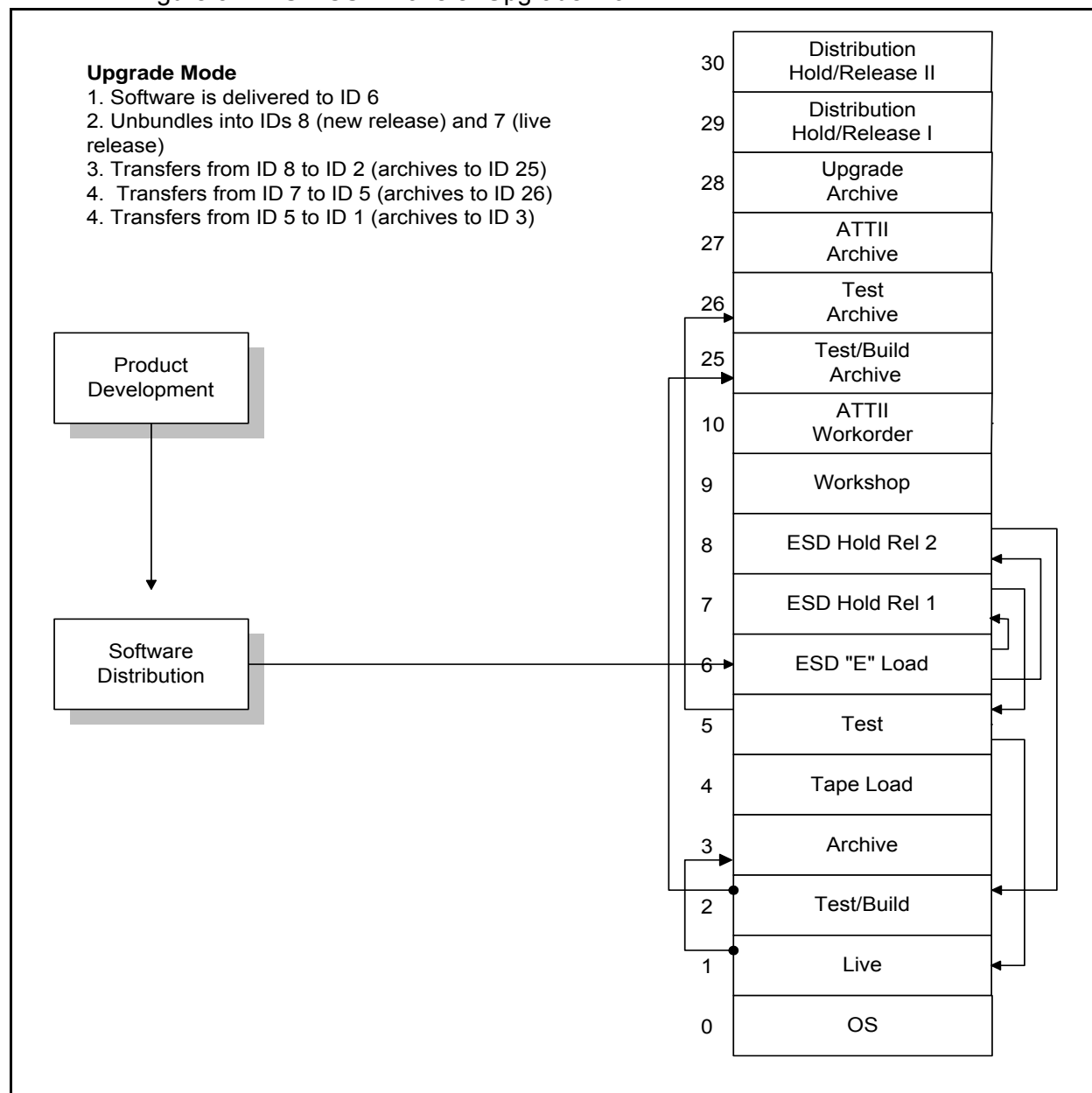
The ESD/CST Transfer Support flow is shown in the following example.

Figure 5.1 ESD/CST Transfer Support/Install Flow



Upgrades

Figure 5.2 ESD/CST Transfer Upgrade Flow



During an upgrade, two releases are queued and transmitted to your hub CPU. The overall transfer is no different than it is while you are in support/install mode. However, some of the IDs change, therefore the transfer path is slightly modified. Keep in mind, the Test/Build ID (ID 2) now contains your upgrade or new release software and the Test ID (ID 5) contains your current or old release software (same as your Live ID).

When items are given a status of Complete in Release, they are bundled and delivered through the network to the Software Distribution CPU. Once delivered to the Software Distribution CPU, the items are queued to the appropriate customers. An ESD processor then dials out to the customer sites and delivers the queued items for both releases to the hub CPU ESD Electronic Load ID (ID6).

The bundled items remain in the hub CPU's ESD Electronic Load ID (ID 6) until the complete package is delivered. Once a complete package is received, the items unbundle into the hub CPU's ESD Hold Id Release 1 (ID 7) and ESD Hdd ID Release 2 ID (ID 8). The ESD Hold Release 1 ID (ID 7) contains the Live or old release software. The ESD Hold Release 2 ID (ID 8) contains the software for your upgrade or new release.

The hub CPU's ESD Hold IDs contain your current *Test Queues*. The items remain in the Hold IDs until you transfer the software via the CST Transfer to Test function. The Transfer to Test function allows you to move both the upgrade and Live software. The items then transfer to the appropriate IDs on all CPUs:

- ESD Hold ID Release 1 (ID 7) transfers to Test ID (ID 5).
- ESD Hold ID Release 2 (ID 8) transfers to Test/Build ID (ID 2 - upgrade ID).

Each Test ID (ID 5) contains your *current Live Queue*. The items remain in the Test ID until you transfer the software via the CST Transfer to Live function. The items then transfer to the Live ID (ID 1) after first archiving the software into the Archive ID (ID 3). (The Transfer to Live is initiated for all CPUs from the hub CPU.)

Items in your Test/Build ID (ID 2 - upgrade ID) remain in the ID until such time you go *live* with the new release.

Queues

The items are grouped into queues while waiting to be transferred. There are three types of queues:

- Current
- Hold
- Historical

Current Queues contain software that transfers during Transfer to Test and Transfer to Live. Historical Queues contain software that has been delivered to a particular ID via Transfer to Test and Transfer to Live. Hold Queues contain software that has been *manually* excluded from the Current Queues. The Hold Queue provides a means of *holding* an item or items within a particular ID.

The location of each of the queues follows the ID structure and ESD software transfer flow. Each of the following boxes represents an ID; inside the box are the queues located within that ID. An asterisk (*) indicates those IDs used during an upgrade.

ESD Load ID
Current Hold Rel 1 Queue Current Hold Rel 2 Queue

* ESD Hold Rel 1
Current Test Queue Hold Test Queue Historical Hold Rel 1 Queue

* ESD Hold Rel 2
Current Test/Build Queue Hold Test/Build Queue Historical Hold Rel 2 Queue

*Test
Current Live Queue Hold Live Queue Historical Test Queue

Test/Build
Current Live Queue Hold Live Queue Historical Test/Build Queue

SOFTWARE EVALUATION

The Software Evaluation option is available for use with both **product** and **non-product** software transfers. When you select the Software Evaluation option, you are prompted to choose an evaluation for either product or non-product software.

Enter Software (T)ransfer or (D)istribution evaluation--

Enter **T** to view or initiate a software evaluation for the current queue.

Enter **D** to view a Software Evaluation report for a non-product software transfer.

Product

If you enter T, the following prompt is displayed:

Select (L)ive or (T)est ID evaluation--

Enter **L** to compare the software in the Transfer to Live queue to the Live ID software.

Enter **T** to compare the software in the Transfer to Test queue to the Test ID software.

NOTE: Your selection is dependent on the queue you are ready to transfer. The Transfer to Test queue becomes the Transfer to Live queue upon its transfer to the Test ID.

Once your queue selection is made, the system displays the following prompt:

Initiate (S)oftware Evaluation or review Evaluation (R)eport--

If you enter S, the system initiates the process of evaluating software. If you enter R, the system initiates the Software Evaluation Report process.

If the Software Evaluation is *not* in progress, if you enter S for Software Evaluation the system displays the following screen:

General Hospital Software Evaluation Processor	
Mon Jun 29, 2009 12:45 pm	
Page:01	Available Releases
(1) 13.0 Live Release	
(2) 14.0 Upgrade Release	
Enter choice--	

The screen contains a table of available releases for the selected queue. When the system is in *support* mode, only one release is displayed. If the system is in *upgrade* mode, all available releases are displayed as shown in the above screen.

Once you have selected a release, the system displays the following prompt:

Perform software evaluation for (A)ll or (S)electd items--

If you enter A, the system initiates the process of evaluating software for all items in the selected queue. If you enter S, the system initiates the process of evaluating software for *selected items* in the selected queue.

NOTE: If the Software Evaluation process is in progress when you enter S, the system displays the following screen before returning you to the Software Transfer menu:

```
General Hospital Software Evaluation Processor
                                Fri May 26, 1995 12:41 pm

*****WARNING*****

A previous Software Evaluation process has aborted, or one is currently
in progress. Please analyze your '%XMIT', '%RELEASE', and '%RELEERR'
console log categories over the last few days on each CPU to make this
determination.

                STATUS: Running!

Last Process Recorded:  Transfer to Live

Press NL--
```

MANUAL SOFTWARE EVALUATION

All Items

Enter **A** at the Perform Software Evaluation prompt to process all items in the queue. The system displays all items in the queue, as shown below.

General Hospital Software Evaluation Processor		
Wed Jun 03, 2009 03:41 pm		
Software to be evaluated in ELEC HOLD REL 2		
Summary Description	Item #	CIR'd
Page:01 Navigator/GUI Version	Priority	Docs
(1) RUNTIME ERROR IF CHANGE PAYMENT FROM	Type	
E-CHECK TO CREDIT CARD DURING PROCESS	M23576	06/04/09
14.07 (06/2009)	High	UI
	Defect	
(2) UPDATE 3M INTERFACE TO ACCOMMODATE	M23652	04/06/09
APDRG GROUPEL VERSION 25	High	UI
14.05 (04/2009)	Dev Defect	
(3) INCREASE CONDITION CODES FROM 7 TO 11	M23865	06/04/09
AND OCCURRENCE SPAN CODES FROM 2 TO 4	High	UI
14.07 (06/2009)	Reg - Enhancement	
(4) DISALLOW ENTRY OF REV CD WHEN THE SAME	M23888	06/04/09
CD EXISTS WITHOUT LEADING ZEROES	High	
	Defect	
Initiate software evaluation for Test? (Y/N)--		

The screen contains the following information:

- Current queue
- Summary description
- Item number
- Complete in release date (CIR'd)
- Item priority
- Implementation/Questionnaire indicators
- Navigator/GUI Version
- Item Type

If you are in the Test queue, the system displays the following prompt:

Initiate software evaluation for Test? (Y/N) --

If you are in the Live queue, the system displays the following prompt:

Initiate software evaluation for Live? (Y/N) --

Enter **N** to abort the Software Evaluation processor in this queue and return to the Perform Software Evaluation prompt. Enter **Y** to initiate the Software Evaluation processor in the queue.

Impact

Once you accept the screen, the system:

- Does not perform a cross check
- Creates the DLY profile
- Determines all appropriate CPUs
- Displays all appropriate CPUs' codes and numbers to your screen
- Displays *Background job started!* on your screen
- Returns to Software Transfer menu
- Initiates evaluations in the background for all items in selected queue on all CPUs listed
- Stores employee ID, software evaluation statuses, and start/stop times in a file on the hub CPU
- Logs start and stop messages to Console Log for each CPU, such as:

Software Evaluation for PC1 General Hospital started 01/06/94 09:00 am.

Software Evaluation for DLY11116-ID 2 to 1 started 01/06/94 09:00 am.

Software Evaluation for PC1 General Hospital completed 01/06/94 09:00 am.

Software Evaluation for DLY11116-ID 2 to 1 completed 01/06/94 09:00 am.

Software Evaluation for Live Complete!

Selected Items

If you enter an S at the Perform Software Evaluation prompt to process selected items, the system displays the following scrolling screen:

General Hospital Software Evaluation Processor			
Thu Jun 04, 2009 10:26 am			
Current Queue for Test			
Item #	Priority	Item Type	Receive Dt.
Description Summary			
Navigator/GUI Version			
M23652	High	Dev Defect	04/06/09
UPDATE 3M INTERFACE TO ACCOMMODATE APRDRG GROUPER VERSION 25			
14.05 (04/2009)			

F1Prev Page F2Next Page F3 Insert F4 Delete F6 Reset F7 Exit ?

The date, time, and the queue you have selected are displayed. This information remains at the top of the screen throughout the item selection process. The system displays the following scrolling screen options when you access this screen:

F1 Prev Page F2 Next Page F3 Insert F4 Delete F5 Select F6 Reset F7 Exit?

For more information on scrolling screen processing, refer to Appendix A: Scrolling Screen Processing.

Field Explanations

ITEM NUMBER (5-C-R)

This field contains the item number the processor evaluates. The field prints in the left most column. You can select items by entering an item number or by selecting from a table. If you know the item number, enter it into this field by entering the item number preceded by the product code (example; P1234, X3098). If you do not know the item number, you can select the item from a table of items in the queue by entering a dash (-).

The item number must be entered with the correct format (product code preceding item number). If you enter an incorrect format for the item number or you enter an item number that does not exist in the queue, the system displays the following message:

Error: Invalid item#!

The item number you enter must also have a valid product code. Valid codes are as follows:

F	Financials	L	Laboratory
G	Accounts Payable	M	Patient Care
H	Payroll	O	Fixed Assets
I	Materials Management	P	Pharmacy
J	General Ledger	X	Radiology

If the product code is not valid, the system displays the following message:

Error: Item does not exist!

Once you have entered an item number or made a selection from the table, the system displays the item information. The system then prompts for another item number.

If you select an item that you have previously selected during this session, the system displays the following message:

Error: Item #P4534 already selected!

To end item number selection, press F7 to accept the screen. For more information on scrolling screen processing, refer to Appendix A: Scrolling Screen Processing.

PRIORITY (DISPLAY ONLY)

This field displays the item priority. The priority is one of the following: critical, high, medium, or low. The field length is eight characters and prints in the column immediately to the right of the item number field.

ITEM TYPE (DISPLAY ONLY)

This field displays the item type. The item type field contains one of the following descriptions:

- Defect
- Development-Defect
- Information Issue-External
- International Defect
- Enhancement
- Development Enhancement
- Information Issue-International

- International-Internal
- Design Modification
- Client Specific
- International Enhancement

The Item Type field length is 17 characters and prints in the column to the right of the priority field.

RECEIVE DT. (DISPLAY ONLY)

This field displays the date the item is received on the hub CPU. The format is MM/DD/YY and prints to the right of the Item Type field.

DESCRIPTION SUMMARY (DISPLAY ONLY)

This field displays the item description summary. This field is one line and prints up to 76 characters. The field prints below the information line (Item Number, Priority, Item Type, Receive Dt.).

NAVIGATOR/GUI VERSION (DISPLAY ONLY)

This field displays, if an STI is a Navigator/GUI STI, the Navigator/GUI version with which the STI is associated.

When you have completed your item selection, the system prompts you to accept the information on the screen:

```

                                General Hospital Software Evaluation Processor
                                Thu Jun 04, 2009 10:26 am

Current Queue for Test
Item #      Priority      Item Type      Receive Dt.
Description Summary
Navigator/GUI Version
M23652      High          Dev Defect      04/06/09
  UPDATE 3M INTERFACE TO ACCOMMODATE APRDRG GROUPEX VERSION 25
  14.05 (04/2009)

M23865      High          Reg - Enhancement 06/04/09
  INCREASE CONDITION CODES FROM 7 TO 11 AND OCCURRENCE SPAN CODES FROM 2 TO 4
  14.07 (06/2009)

Accept ? (Y/N) [Y]--

```

If you enter N, the system allows you to add or delete items from the displayed list.

If you enter Y or press ENTER, the system performs a cross check for all items you selected against all items in the queue. The cross check executes in the foreground and updates your screen as to what item is being checked at any given time. As

intersecting items are found, the system adds the item to the list of selected items on your screen.

If you are in the Test queue, the system displays the following prompt:

Initiate software evaluation for Test? (Y/N) --

If you are in the Live queue, the system displays the following prompt:

Initiate software evaluation for Live? (Y/N) --

Enter **Y** to initiate the software evaluation in the background for all items displayed on the screen. Enter **N** to abort the processor and return to the Perform Software Evaluation prompt.

Impact

Once you accept the screen, the system:

- Performs a cross check
- Creates DLY profile
- Determines all appropriate CPUs
- Displays all appropriate CPUs' codes and numbers to your screen
- Displays *Background job started!* on your screen
- Returns to Software Transfer menu
- Initiates (in the background) evaluations for all selected and intersecting items in selected queue on all CPUs listed
- Stores employee ID, software evaluation statuses, and start/stop times in a file on the hub CPU
- Logs start and stop messages to Console Log for each CPU, such as:

*Software Evaluation for PC1 General Hospital started 01/06/94 09:00 am.
Software Evaluation for DLY11116-ID 2 to 1 started 01/06/94 09:00 am.
Software Evaluation for PC1 General Hospital completed 01/06/94 09:00 am.
Software Evaluation for DLY11116-ID 2 to 1 completed 01/06/94 09:00 am.
Software Evaluation for Live Complete!*

AUTO EXECUTION

The software evaluation process auto-executes based on the defined software evaluation auto execute parameters, transfer schedule parameter, and the date of the last software transfer. For more information, refer to [“CUSTOMER SITE PARAMETERS” on page 5-108](#).

Non-Product

The Software Evaluation option is available for use with both product and non-product software transfers. When you select the Software Evaluation option, you are prompted to choose an evaluation for either product or non-product software.

Enter Software (T)ransfer or (D)istribution evaluation--

Enter **T** to **view or initiate** a software evaluation for the current queue.

Enter **D** to **view** a Software Evaluation report for a non-product software transfer. If you enter D, the system displays the available Non-Product Software Evaluation reports from all CPUs, as shown below:

```

                                General Hospital Software Evaluation Processor
                                Mon May 15, 1995 04:00 pm

Page:01                                Profile Evaluations
( 1) STICL1018T
( 2) STICL12345T
( 3) STICL1234T
( 4) STICL3456T
( 5) STICL9999T
( 6) STIM10003T
( 7) STITEMPT
( 8) STITESTINGT

Enter choice--

```

Software Evaluation Report

When you select the desired current queue or non-product software profile, the system displays the following screen:

```

                                General Hospital Software Evaluation Processor
                                Tues May 16, 1995 11:04 AM

Initiated by: John Smith                Start Date/Time
Last Process: Software Evaluation        05/06/95 11:00 AM
Page: 01                                ###Current Choices

                                Status      Completion Time
(1)  CL1-8 Radiology                *No conflicts exist*    05/06/95 11:00 AM
(2)  CL2-8 Laboratory                *Conflicts exist*      05/06/95 11:01 AM
(3)  FN1-8 Financials                *Conflicts exist*      05/06/95 11:02 AM
(4)  PC1-8 Patient Care/RX          *Software Evaluation    05/06/95 11:03 AM
                                Executing*

Enter choice, choices (ie 1, 3-4) , or (A)ll--

```

This screen can be accessed at any time. The information given is the status of the

Software Evaluation processor on each CPU. Refer to the following table for status explanations:

System Message	Status	Conflicts?
No conflicts exist	Complete	Non-fatal
Software Evaluation Executing	Processing	--
Conflicts exist	Complete	Fatal

If you enter A, at the system prompt:

Enter choice, choices (ie 1, 3-4) ,or (A)!--

the system displays the Software Evaluation report for each CPU with conflicts in the order in which they are listed on the screen. You may also select the CPU for which you wish to review the Software Evaluation Report.

Output

If you enter A or a CPU selection, the system displays the following prompt:

Hardcopy? (Y/N) [N]--

Enter **Y** and the system displays *Printing!* on your screen and spools the Software Evaluation Report to your current ID. The system then returns you to the Software Transfer menu.

Enter **N** or press ENTER to display the Software Evaluation Report on your screen. The system displays the following prompt:

Create conflict profile? (Y/N) [N]-

Enter **Y** to create a profile from the evaluation report. You are allowed to enter a name up to 15 characters long. Enter **N** or press ENTER to return to the Software Transfer menu.

The Software Evaluation Report is sorted by product and item number.

Report examples and field explanations are on the following pages.

Figure 5.3 Software Evaluation Report

General Hospital		Page 01
		Software Evaluation Report
		TEST REL 2 to LIVE
Evaluation Executed by: John Smith		
Evaluation Start and Stop: 05/16/95 11:38 AM - 05/16/95 12:30 PM		
Printed: 05/16/95 12:45 PM		
Component Type/Name	Reasons	
-----	-----	
MN famx	F3991	F
	Temporary change override	
PR CADADM	M2995	CC,M
	* Destination is customized	
[End of Report]		

Report Layout

Report Header

HOSPITAL NAME

This hospital name is centered on the first line of the report.

PAGE NUMBER

The page number of the report prints on the first line of the report and is right justified.

REPORT NAME

The system displays the report name, Software Evaluation Report, on the second line of the report header.

QUEUE INFORMATION

The queue information contains the originating queue and the destination ID. This line is centered on the third line of the report header.

REPORT EXECUTED BY

This field contains the name of the employee who executed the software evaluation processor. The system prints the first name followed by a middle name or initial (if available) and the last name. This field is left justified and prints on the fourth line of the report.

EVALUATION STOP AND STOP

The date and time the software evaluation began and completed execution prints in this field that is left justified on the report.

REPORT DATE AND TIME

This field is the date and time the report was printed. This field is labeled Printed and is left justified on the line below the Evaluation Start and Stop field.

Report Body

COMPONENT TYPE/NAME

This field contains up to two alpha characters indicating the type of component and the component name. This field prints in the left most column on the first line of the report and contains up to 20 characters. A list of component types is as follows:

- PR Program
- FL Forms library
- HL Horizontal screen library
- FM Form
- HS Horizontal screen
- ZB Result Z-block
- SS Scrolling screen
- GL Global
- ML Menu library
- DD Data Dictionary
- MN Menu
- VS Vertical screen

ITEM NUMBER/REASONS

This field contains the item number and the reason for conflict. The field is a two line field with the item number on the same line as the Component Type/Name field. The reason for conflict prints on the second line indented one space. **If the reason for conflict is preceded by an asterisk (*), it is a fatal error and the Transfer to Live and Transfer to Test processors do not transfer software.** The reason for conflict is taken from the following list:

- *Temporary change override*

This message indicates that the software component has been marked as temporary; the system allows the software component to be overwritten during a software transfer.

Software components are marked as temporary using the Flag Temporary Version function. Only customized components may be flagged as temporary. (Refer to Version Functions in [“Chapter 2 - SOFTWARE CONTROL”](#).)

- **Destination is customized*

This message indicates that the software component is customized in the ID to which you want to transfer software. This error is fatal and does not allow the software transfer to take place until resolved.

- *Source & Destination are customized*

This message indicates that the software component is customized in both the source and destination IDs. The system allows the software transfer to overwrite the destination ID.

- **Versions out sequence*

This message indicates that the software components' version numbers are out of sequence. This error is fatal and does not allow the software transfer to take place until resolved.

- **Locked in source ID*

This message indicates that the software component is locked in the source ID. This error is fatal and does not allow the software transfer to take place until resolved.

- **Locked in destination ID*

This message indicates that the software component is locked in the destination ID. This error is fatal and does not allow the software transfer to take place until resolved.

- **Component missing in source ID*

This message indicates that the software component is missing in the source ID but is defined in the profile. This error is fatal and does not allow the software transfer to take place until resolved.

- **First line is not a comment line*

This message indicates the first line of the software component is not a comment line; therefore, no position for the version number exists. For more information, see Version Functions in “[Chapter 2 - SOFTWARE CONTROL](#)”. This error is fatal and does not allow the software transfer to take place until resolved.

The system performs the following checks before software is allowed to be transferred between IDs on a customer site. These checks include, but are not limited to, version number checking.

- **Temporary change check**

If the version number of the component in the destination ID indicates that it is a temporary change, the system logs that the change is overwritten.

- **Customization check**

If the version number of the component in the destination ID indicates that it is a customized component, one of the following occurs:

- If the component in the source ID is base, the system does not allow the profile to be transferred.
- If the component in the source ID is customized, the system logs that customization is overwritten.

- **Version checking**

If the components in the source and destination are from the same release and the destination ID is more current, the system does not allow the profile to be transferred.

- **Lock checking**

If the component is locked in either the source or the destination ID, the system does not allow the profile to be transferred.

- **Software not in source**

If the component defined in the profile does not exist in the source ID, the system does not allow the profile to be transferred.

Report Footer

Once the system prints all of the report, *End of Report* prints on the last page.

SOFTWARE TRANSFER FUNCTIONS

The Software Transfer Functions menu contains the functionality needed to transfer both product and non-product software.

General Hospital Software Transfer Functions Processor	
Wed Jul 20, 2005 02:23 pm	
Software Transfer Functions Input Options	
Option No.	Option
1	Build Profile
2	SW Trans Apps Utilities
3	Add Navigator User Views To Item
4	Distribute Software
5	Transfer to Live
6	Transfer to Test
7	Console Log Listing
8	Console Message Display
9	VT to Another Machine

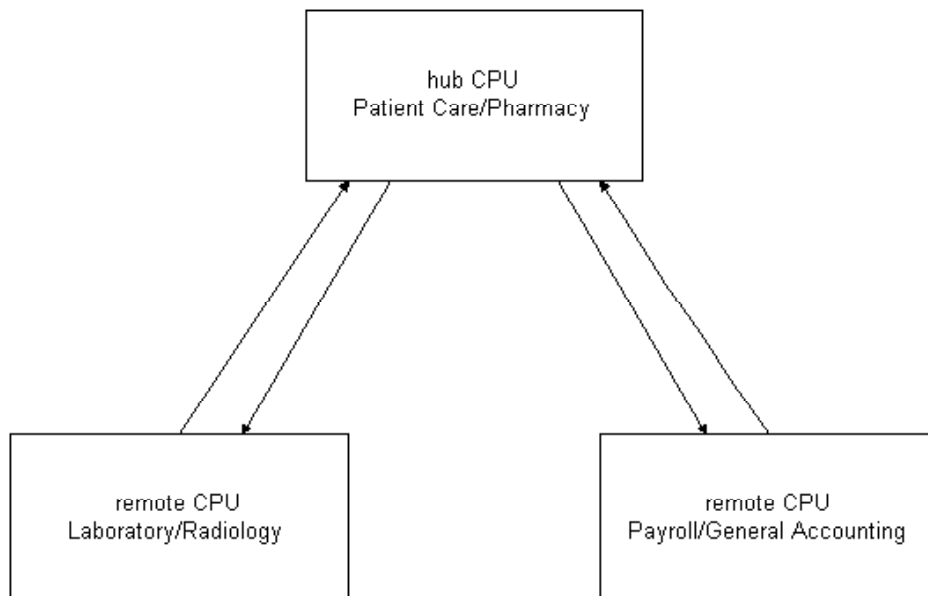
Enter option number--

Software Transfer Flows

Non-product transfers are initiated from the CPU where the modified software resides. The distribution of the software is “controlled” from the hub CPU. For example, software is not distributed from the Clinical CPU to the Financial CPU. Software to be distributed from the Clinical CPU is first transferred to the hub CPU where the system determines the appropriate destinations for the software based on product definition. Software is then distributed to the appropriate Clinical and Financial CPUs from the hub CPU. To summarize:

- Clinical software ready for distribution is “copied” to the hub CPU.
- Destination IDs are identified based on CPU product definition.
- Software is distributed from the hub CPU to the appropriate Clinical and Financial CPUs.

Figure 5.4 Software Distribution Flow



HUB CPU

The non-product software distribution processor uses the Distribution Hold Release 1 and Distribution Hold Release 2 Ids in the same manner as product software transfer processor uses the Electronic Hold Release 1 and Electronic Hold Release 2 Ids. Non-product software is copied from the originating ID (Test/Build ID or Test ID) to one of the DS Hold Ids and distributed to the appropriate CPUs.

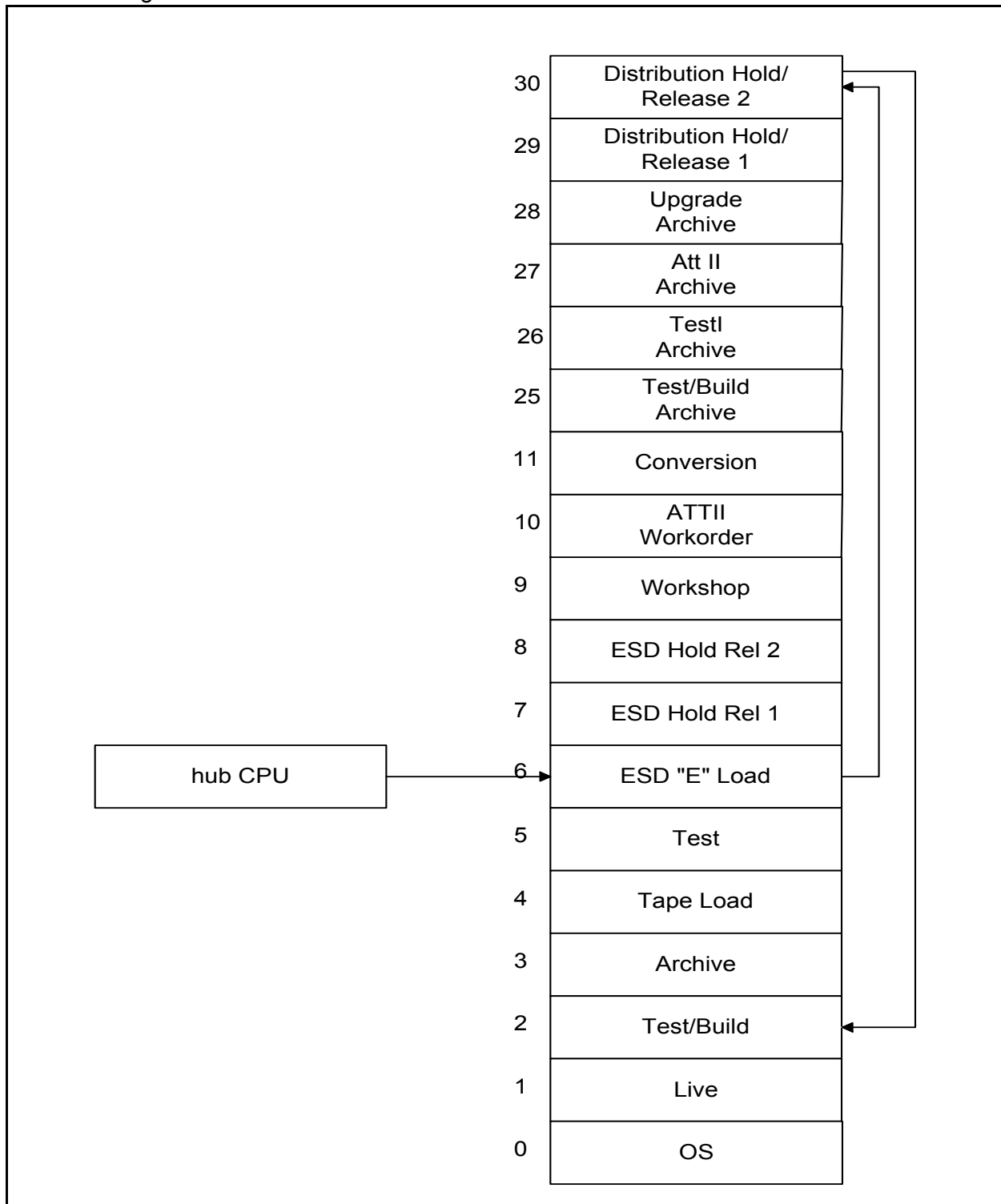
The following scenario exemplifies the transfer path of non-product software on the hub CPU.

Menu *camadm* is modified in the Test/Build ID on the hub CPU (Patient Care). To distribute the software to the appropriate CPUs and log an entry to the Live current queue, the Distribute Software function is utilized. From the Test/Build ID, the menu *camadm* follows this path:

1. "Copied" to the DS Hold ID (ID 30).
2. Checked for software that is defined on remote CPUs (ex. Common Clinical software).
3. If not defined on remote CPUs, an entry is made in the Live current queue and processing halts.

If defined on remote CPUs, software is distributed to remote CPUs, an entry is made in the Live current queue, and processing halts.

Figure 5.5 Hub CPU Non-Product Software Flow

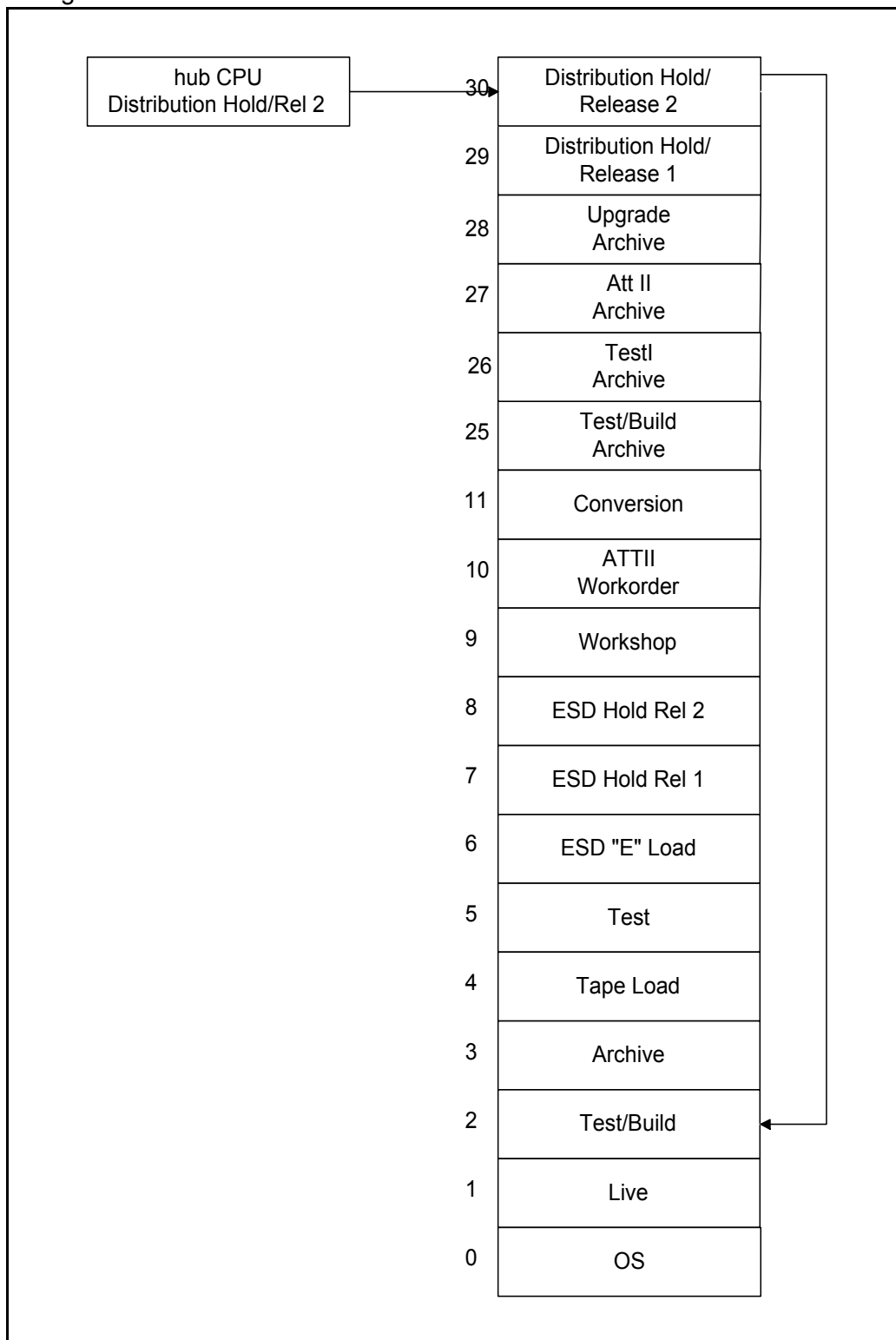


REMOTE CPU

If the menu *camadm* is determined to be distributed to all remote CPUs, the software is transferred from the hub CPU to the Eload ID on the remote CPU. Once on the remote CPU, the software follows this path:

1. Delivered from the hub CPU to the DS Hold ID on the remote CPU.
2. Transferred to the Test/Build ID on the remote CPU.

Figure 5.6 Remote CPU Non-Product Software Flow



Build Profile

To create a non-product software profile that you can transfer to the current Transfer to Live queue, select the Build Profile option from the Software Transfer Functions menu. The profile is used to transfer forms and menus, or workorders from the Test IDs to the Live ID.

When you select the Build Profile option the system displays the following prompt:

Enter item number (CL6789)--

The system defaults to the last item number used during a software modification. Enter the item number for which the form or menu you want to transfer is modified. The system displays the following prompt:

Enter profile description--

Enter the profile description (30-character alphanumeric text field). The profile description should indicate the nature of the software defined in the profile, such as *Pat CareLive Menu* or the item or workorder number.

The system displays the modified components associated with the item number. This information accumulates in the software control files as modifications are accepted.

General Hospital	
Source ID 2	Software Components of Profile STICL1018
Globals	^Q3 ("STICL1018")
Menus	atmfml aumsysm
Accept? (Y/N) --	

- If you enter Y to build the profile, the following prompt is displayed:

Create transfer profiles? (Y/N)--

- If you enter Y, the *Building Transfer Profiles...Please Wait!* message is displayed. The system creates a profile with the following naming convention:

"STI" _Item Number_ "T"

A screen similar to the following is displayed:

```

Tues May 16, 1995 11:49      Item Transfer Profile Build   Page 1

Release 131 (ID 2) on 5/16/95

Item #
Component Type/Name Profiles Created/Updated
-----
Item: CL3365
FM          BCPFPAT          STICL3365TB
FM          KGFNOT          STICL3365TM
MN          bcmmphy          STICL3365TB

Press NL--

```

The screen contains the following information:

- Item Number
- Component Type:
 - FL** Forms Library
 - FM** Form
 - HL** Horizontal Screen Library
 - HS** Horizontal Screen
 - ML** Menu Library
 - MN** Menu
 - PR** Program
 - SS** Scrolling Screen
 - ZB** Result Z-block
- Component Name
- Profile Name Created (The profiles are created based on the defined components' product association):

Profile Name	Product Association
B	Custom B Software Components
CC	Common Clinical

Profile Name	Product Association
CF	Common Financial
CG	Common Accounts Payable
F	Patient Accounting
G	Accounts Payable
H	Payroll
I	Materials Management
J	General Ledger
L	Laboratory
M	Patient Care, Nursing, Medical Records, Scheduling
O	Fixed Assets
P	Pharmacy
R	SQL
X	Radiology

- If you enter N at the *Create transfer profiles? (Y/N)*-- prompt, the system does not create transfer profiles and you are returned to the previous menu.
- If you enter N at the *Accept? (Y/N)*-- prompt, the system does not build the profile. A screen similar to the following is displayed:

Source ID 2				
Software Components of Item xxxxx				
Current	ID	Profile	Audit/Merge ID	Description
TEST REL (2)		STI1	Undefine (999)	TEST FOR ITEM xxxxx
Page:01		Profile Components		
(1)	Profile Demographics	Defined		
(2)	Programs	Not Defined		
(3)	Global Documentation	Not Defined		
(4)	Data Dictionary	Not Defined		
(5)	Horz Screen Libraries	Not Defined		
(6)	Horz Screens	Not Defined		
(7)	Form Libraries	Not Defined		
(8)	Forms	Not Defined		
(9)	Menu Libraries	Not Defined		
(10)	Menus	Not Defined		
(11)	Vert Screens	Not Defined		
(12)	Scrolling Screens	Not Defined		
(13)	Result Zblocks	Not Defined		
(14)	Report Writer	Not Defined		
(15)	SQL Tables	Not Defined		
Select component to edit/view--				
next pg(/ or PG DN) Search(TAB)				

Enter the component to edit or view. Accept the changes and build the profile with the procedures previously outlined in this section.

SW Transfer Application Utilities

The following menu includes the utilities necessary to prepare the system for a software transfer.

```
General Hospital SW Trans Apps Utilities Processor
Thu Jun 04, 2009 12:30 pm
SW Trans Apps Utilities Input Options

Option No.  Option
-----
      1      View Hourly Jobs
      2      Enable/Disable Select Groups
      3      Enable/Disable Logon (Temporary)
      4      Remove Users
      5      Examine Job Status
      6      Remove Jobs From System
      7      VT to Another Machine
      8      Merge Upgrade Profiles

Enter option number--
```

VIEW HOURLY JOBS

Use this option to view all predefined hourly jobs for a selected ID on the current CPU. When you select this option, the following prompt is displayed:

Enter ID to view jobs for--

If the ID entered does not exist, the system displays the following message:

Error: Invalid ID!

If the ID entered exists, but does not have any defined hourly jobs, the system displays the following message:

Error: No entries defined!

If the ID entered does exist and has hourly jobs defined, the system displays a table of the hourly jobs as shown in the following screen:

```

                                General Hospital Hourly Jobs Processor
                                Mon Jul 31, 1995 08:30

Page:01                      Defined Hourly Jobs for ID 1
  Job Description              Hours  Days  Additional C
( 1) Charges                  00     All  None
( 2) Rad Midnight Processing  00     All  None
( 3) PROSPECTIVES CLEAN UP   23     All  None
( 4) CUSTOM SPOOLER REPORT - ID 106  All  None

Enter choice--

```

- The screen contains the following information:
- Job Description (brief description of the hourly job)
- Hours (the hour the job is executed based on a 24 hour clock)
- Days (the day the job is executed)
- Additional Check (optional check to narrow the execution time definition to the day of the month)

Select the hourly job definition that you want to review. The system displays the following information screen:

```

                                General Hospital Patient Care Hourly Jobs Processor
                                Fri Sep 03, 2010 03:48 pm

1 Program                      2 Description
^XGMID                          Radiology Midnight Processing
3 Hours To Run
@ 0000 Hours
4 Days To Run
All days of the week
5 Additional Check
None
6 Start Minute                  7 Window Length
0 Minutes after the hour        60 Minutes
8 Repeat Count                  9 Repeat Interval
0 Times                          0 Minutes
10 Last Checked                 11 Last Run
Fri Sep 03, 2010 03:00 pm        Fri Sep 03, 2010 12:00 midnight

Press NL--

```

This screen contains the following information:

- Program (the name of the program to execute)
- Description (description of program)
- Hours to Run (the time(s) of day the system is to run the program)
- Days to Run (defined days of the week to execute the defined program)
- Additional Check (any other checks the programmer may want to verify prior to the running of the program)
- Start Minute (the minute after the hour for starting the job)
- Window Length (the amount of time within which the system runs this program. For example, a program is defined to execute at 12 a.m., but the system is down and unavailable until 1 a.m. The window length is equal to 120. The system checks the start time and compares with the window. Since only 60 minutes has passed, the system runs the program.)
- Repeat Count (the number of times the job is repeated)
- Repeat Interval (the repeat interval between starts)
- Last Checked (the last date and time the system checked this hourly job definition for running)
- Last Run (the last date and time the defined program was run)

ENABLE/DISABLE SELECT GROUPS

Use this option to enable or disable select application sign-on groups. This is only for your current CPU. You can enable/disable groups on a remote CPU by using the *VT to Another Machine* function. (For more information, see the *MultiSTAR Software Environment Operations Guide*).

ENABLE/DISABLE LOGON (TEMPORARY)

Use this option to disable customer users from accessing particular IDs. Only working IDs (1,2, and 5 are the standard IDs) can be enabled or disabled.

REMOVE USERS

Use this option to remove all foreground application job activity for each CPU from the hub CPU. When you select this option, the following prompt is displayed:

Select (L)ive or (T)est--

If you select **L**, all foreground application job activities are removed in the Live ID. If you select **T**, all foreground application job activities are removed in the Test ID. A table of available releases for the ID selection is displayed.

Select the proper release associated with the selected ID. The system displays another screen for you to select a specific CPU.

Select the appropriate CPU. The system displays the following prompt:

Remove users in Destination Ids 2(Y/N) [N]

Enter **N** to abort the process and return to the SW Trans Apps Utilities Menu. Enter **Y** to continue. The following prompt is displayed:

Are you sure? (YES/N)

Enter **Y** to continue. The following prompt is displayed:

Removing users. Please wait.

If the system cannot remove the users, the following message displays:

Unable to remove users.

REMOVE JOBS FROM SYSTEM

Use this option to remove running jobs from the system. Most jobs should have a way to be halted correctly and not just end them as this function does. Be careful not to overuse this function.

MERGE UPGRADE PROFILES

The Merge Upgrade Profiles option enables you to combine the current queue with the upgrade profile. By combining the upgrade profile and current queue, McKesson is ensured to transfer all software associated with the upgrade to the Live ID.

When you access this function the system displays a table with available CPU selections as shown in the following example:

General Hospital Merge Upgrade Profiles Processor	
Mon Jun 05, 1995 04:26 pm	
Page:01	Available Destinations
(1) FN1-12	
Enter choice, or (C)urrent CPU--	

Once the desired CPU on which to merge the upgrade profiles is selected, the system displays the following prompt:

Enter profile name or first letters '-' to list--

NOTE: Select the main upgrade profile. The name of the profile is provided by the Application Release Management (ARM) Team.

After selecting the upgrade profile, the system displays the following prompt:

Merge ESD components into upgrade profiles? (Y/N)--

Enter **N** to abort the processor and return to the SW Apps Utilities menu. Enter **Y** to continue to the following prompt:

Are you sure (Y/N)--

Enter **N** to abort the processor and return to the SW Apps Utilities menu. Enter **Y** to initiate the profile and current queue merge.

Impact

When the merge processor is initiated, the system:

- Displays the following messages to your screen

*Merging Upgrade Profiles...Please Wait!
 Compiling Profile Wildcards...Please Wait!
 Complete!*

- Adds all item software components defined in the Test/Build ID current queue to the appropriate upgrade product profiles
- Updates the upgrade “group” profile
- Returns you to the SW Apps Utilities menu

VT TO ANOTHER MACHINE

This option enables you to initiate a link over the network to a remote CPU.

Add Navigator User Views to Item

This option allows you to associate STAR Navigator User Views to an item. Like forms and menus, once you associate the STAR Navigator User Views to an item, you can move the STAR Navigator User Views to Live using the Build Profile, Distribute Software and Transfer to Live functions. When you access this option, the following prompt is displayed:

Enter item number for which to maintain Navigator User Views --

Enter the item number to which you want to associate STAR Navigator User Views. When you enter an item number, a list of all Navigator User Views is displayed:

```

General Hospital Add Navigator User Views To Item Processor
                                Wed Jul 20, 2005 02:59 pm

Page:01                      Selected Navigator User Views for xxxx    ##=Current Choices
( 1) VIEW ONE
( 2) VIEW TWO
( 3) TEST NAVIGATOR VIEW

Enter choices (e.g. 1,7,5-9) or '-'choices to remove--
                                end select(NL)

```

Enter the number of the STAR Navigator User View you want to associate with the item number you entered in the previous prompt. To select multiple views, enter each view number separated by a comma (,) and press ENTER after the last number entered. For example, 1,5,7. To remove a view, enter a hyphen (-) followed by the number you want to remove. For example, -2 removes VIEW TWO in the screen example above.

When you have entered all the desired view numbers, press ENTER. The selected view numbers are highlighted. Press ENTER to save changes. The following message is displayed:

Navigator Views for xxxx filed!

where xxxx is the item number you entered. The following prompt is displayed:

Build Profile for xxxx now? (Y/N)--

where xxxx is the item number you entered. Enter **Y** to perform the Build Profile function. Enter **N** to save changes but not perform the Build Profile function.

NOTE: For more information, see “Build Profile” on page 5-31.

Distribute Software

This option enables you to copy, transmit, load, transfer, or compare a profile through a local network of CPUs.

NOTE: You must access the Distribute Software option on the CPU in the **D** in which the software modification resides.

When you select Distribute Software, the following prompt is displayed:

Enter profile name or first letters '-' to list--

You can either enter the profile name that you created in Build Profile (STICLxxxxT) or enter a hyphen (-) to list the table and select the correct profile from the table.

General Hospital Distribute Software Processor		
Tue Jun 06, 1995 10:17 am		
Page:01	Profiles in ID CSB,MSE (12)	
Profile	Audit/Merge ID	Description
(1) STICL1018	Undefined (999)	TEST NUMBER 1
(2) STICL1018T	Undefined (999)	Transfer group profile
(3) STICL1018TCC	Undefined (999)	Common Clinicals transfer profile
(4) STICL1018TM	Undefined (999)	Patient Care transfer profile
(5) STICL1111	Undefined (999)	TEST #1
(6) STICL1111T	Undefined (999)	Transfer group profile
(7) STICL1234	Undefined (999)	TEST1
(8) STICL12345	Undefined (999)	TONIA
(9) STICL12345T	Undefined (999)	Transfer group profile
(10) STICL12345TB	Undefined (999)	Customization transfer profile
(11) STICL12345TCC	Undefined (999)	Common Clinicals transfer profile
(12) STICL12345TM	Undefined (999)	Patient Care transfer profile
(13) STICL1234T	Undefined (999)	Transfer group profile
(14) STICL1234TCC	Undefined (999)	Common Clinicals transfer profile
(15) STICL1234TL	Undefined (999)	Lab transfer profile
(16) STICL1234TM	Undefined (999)	Patient Care transfer profile
(17) STICL3456	Undefined (999)	MENU CHANGES
Enter choice--		
next page(/)		

Once you have selected the appropriate profile, the following messages display:

Verifying Hold ID....Please Wait!

Copying Profile STICLxxxxT....Please Wait!

where *STICLxxxxT* is the number of the profile selected. The following prompt is displayed:

Enter initiate Software (E)valuation or (T)ransfer--

If you want to evaluate software, enter **E** (see “Evaluate Software” on page 5-41).

If you want to transfer the profile, enter **T** (see “Transfer Software” on page 5-41).

EVALUATE SOFTWARE

Enter **E** to initiate Software Evaluation. One of the following messages is displayed:

Software is not required to be loaded on (PC1-30)

- The software defined in the profile already exists on the indicated CPU and does not need to be loaded, or
- The software defined in the profile does not belong to the existing product mix defined on the indicated CPU.

Verifying Network Path!

The system is ensuring the network paths are available and do not contain any erroneous data. This check ensures the successful transfer of software.

The system displays the following prompt:

Continue? (Y/N)--

Enter **N** to abort the software evaluation processor and return to the SW Apps Utilities menu, or enter **Y** to initiate the software evaluation. The following message displays:

Background Job Started!

To view the Evaluation report, access the Software Evaluation option from the Software Implementation menu.

TRANSFER SOFTWARE

Enter **T** to initiate software transfer. The same messages display as for the Software Evaluation option. The following prompt is displayed:

Are you sure you want to transfer software into the Test ID? (YES/N)--

Enter **N** to abort the software transfer process and return to the SW Apps Utilities menu, or enter **YES** to continue. The following message displays:

Background Job Started!

WARNING: Do not attempt to distribute software while another transfer is in progress. Doing so locks the transfer paths and destination IDs.

Impact

Once you accept the screen, the system:

- Displays *Executing!* on your screen
- Checks *all* Test IDs for activity. If any of the following activities are found on any CPU in the Test ID, the Distribute Software processor returns a status to your screen stating the activity and on which CPU found. The Distribute Software processor then aborts. The following activities are checked:
 - User activity
 - Midnight processing
 - Bar-code spooler
 - Network activity
 - Interfaces
 - Reports
 - Parameter regeneration
 - Hourly jobs
- An example of an error message is as follows:

CPU CL1-1 79 Hospital logged on system!
- Initiates a cross check against the Hold Queue. The Distribute Software processor initiates a cross check for the current Test ID Queue against the Hold Queue to insure that software contained in hold items is not transferred due to being defined in another item. All items that intersect with the Hold Queue are placed in the Hold Queue and not transferred to the Test ID. You can also find a listing of the items placed in the Hold Queue by printing a Hold Queue Report.
- No cross check is performed for the current queue.
- Initiates software evaluation process on all CPUs. The Distribute Software processor initiates the evaluation process to insure that no conflicts exist. If conflicts exist, the software transfer aborts for *all* CPUs to insure that software does not become out of synch.
- Initiates software transfer on all appropriate CPUs. Once *all* software evaluations have completed and found *no* conflicts, the software transfer is initiated on all CPUs.
- Returns you to the Software Transfer menu.

- Stores software evaluation statuses in a file on the hub CPU. Upon completion the Distribute Software processor returns a complete status to the hub CPU.

Output

The system creates the Software Transfer Audit Report. For more information on this report, see Software Transfer Reports.

Transfer to Live

To transfer software to the Live ID from the current Live Queue, you select the Transfer to Live option from the Software Transfer menu.

General Hospital Transfer to Live Processor	
Mon Jun 29, 2009 12:45 pm	
Page:01	Available Releases
(1) 13.0 Live Release	
Enter choice--	

If item notifications have been received, the system displays the following message

*****ATTENTION*****

Item Notifications have been received on your system from the HBOC Corporate office. Please review current and historical queue information within the Item Notification report before performing any transfers.

*****ATTENTION*****

A table of available releases for the Live queue is displayed. When you select the desired release, the system displays the following prompt:

Perform software transfer for (A)ll or (S)electd items--

Enter **A** to initiate the software transfer for all items in the selected queue (refer to “**All Items**” on page 5-44). Enter **S** to initiate the software transfer for selected items in the selected queue (refer to “**Selected Items**” on page 5-46).

ALL ITEMS

Enter **A** to transfer all items in the queue. The system displays all items in the queue. An example of the screen is shown below.

General Hospital Transfer to Live Processor		
Thu Jun 04, 2009 02:39 pm		
Software to be Transferred from TEST REL 2	Item #	CIR'd
Summary Description	Priority	Docs
Page:01 Navigator/GUI Version	Type	
(1) RUNTIME ERROR IF CHANGE PAYMENT FROM	M23576	06/04/09
E-CHECK TO CREDIT CARD DURING PROCESS	High	UI
14.07 (06/2009)	Defect	
(2) UPDATE 3M INTERFACE TO ACCOMMODATE	M23652	04/06/09
APRDRG GROUPER VERSION 25	High	UI
14.05 (04/2009)	Dev Defect	
(3) INCREASE CONDITION CODES FROM 7 TO 11	M23865	06/04/09
AND OCCURRENCE SPAN CODES FROM 2 TO 4	High	UI
14.07 (06/2009)	Reg - Enhancement	
(4) DISALLOW ENTRY OF REV CD WHEN THE SAME	M23888	06/04/09
CD EXISTS WITHOUT LEADING ZEROES	High	
	Defect	
Initiate software transfer to Live ? (Y/N)--		
/ = next screen		

The screen contains the following information:

- Current Queue
- Item Description
- Item Summary
- Item Number
- Complete in release date (CIR'd)
- Item Priority
- Implementation/Questionnaire indicators
- Navigator/GUI Version (if the STI is a Navigator/GUI STI)
- Item Type

The system displays the following prompt:

Initiate software transfer to Live ? (Y/N)--

Enter **N** to abort the Transfer to Live processor and return to the Software Transfer menu. Enter **Y** to initiate the Transfer to Live processor. The system displays a message containing the last software evaluation date.

Software Evaluation last executed on 09/08/93!

The system then displays the following prompt:

Are you sure you want to transfer software into the Live ID? (YES/N)--

Enter **N** to abort the Transfer to Live processor and return to the Software Transfer menu. Enter **YES** to initiate the software transfer to the Live ID.

Impact

Once you accept the screen, the system:

- Displays *Executing!* on your screen
- Checks *all* Live IDs for activity. If any of the following activities are found on any CPU in the Live ID, the Transfer to Live processor returns a status to your screen stating the activity and on which CPU found. The Transfer to Live processor then aborts. The following activities are checked:
 - User activity
 - Midnight processing
 - Bar-code spooler
 - Network activity
 - Interfaces
 - Reports
 - Parameter regeneration
 - Hourly jobs

An example of an error message is as follows:

CPU CL1-1 79 Hospital logged on system!

- Initiates a cross check against the Hold Queue. The Transfer to Live processor initiates a cross check for the current Live ID Queue against the Hold Queue to insure that software contained in hold items is not transferred due to being defined in another item. All items that intersect with the Hold Queue are placed

in the Hold Queue and not transferred to the Live ID. You can also find a listing of the items placed in the Hold Queue by printing a Hold Queue Report.

- No cross check is performed for the current queue.
- Initiates software evaluation process on all CPUs. The Transfer to Live processor initiates the evaluation process to insure that no conflicts exist. If conflicts exist, the software transfer aborts for *all* CPUs to insure that software does not become out of synch.
- Initiates software transfer on all appropriate CPUs. Once *all* software evaluations have completed and found *no* conflicts, the software transfer is initiated on all CPUs.
- Returns you to the Software Transfer menu.
- Stores software evaluation statuses in a file on the hub CPU. Upon completion the Transfer to Live processor returns a complete status to the hub CPU.

Output

The system creates the Software Transfer Audit Report. For more information on this report, see [“Software Transfer Audit Report” on page 5-60](#).

SELECTED ITEMS

If you enter an S to transfer selected items, the system displays the following screen:

General Hospital Transfer to Live Processor			
Thu Jun 04, 2009 02:39 pm			
Current Queue for Live			
Item #	Priority	Item Type	Receive Dt.
Description Summary			
Navigator/GUI Version			
M23652	High	Dev Defect	04/06/09
UPDATE 3M INTERFACE TO ACCOMMODATE APRDRG GROUPER VERSION 25			
14.05 (04/2009)			
F1Prev Page F2Next Page F3 Insert F4 Delete F6 Reset F7 Exit ?			

The date and time and the queue you have selected are displayed. This information remains at the top of the screen throughout the item selection process. This screen uses scrolling screen processing. The system displays the following scrolling screen options when you access this screen:

F1 Prev Page F2 Next Page F3 Insert F4 Delete F5 Select F6 Reset F7 Exit?

For more information on scrolling screen processing, refer to Appendix A: Scrolling Screen Processing.

Field Explanations

ITEM NUMBER (5-C-R)

This field contains the item number for the item you are transferring. The field prints in the left most column. You can select items by entering an item number or by selecting from a table. If you know the item number, enter it into this field by entering the item number preceded by the product code (example; P1234, X3098). If you do not know the item number, you can select the item from a table of items in the queue by entering a dash (-).

The item number must be entered with the correct format (product code preceding item number). If you enter an incorrect format for the item number or an item number that does not exist in the queue, the system displays the following message:

Error: Item does not exist in current queue

The item number you enter must also have a valid product code. Valid codes are as follows:

F	Financials	L	Laboratory
G	Accounts Payable	M	Patient Care
H	Payroll	O	Fixed Assets
I	Materials Management	P	Pharmacy
J	General Ledger	X	Radiology

If the product code is not valid, the system displays the following message:

Error: No items found!

Once you have entered an item number or made a selection from the table, the system displays the item information. The system then prompts you to enter another item number.

If you select an item that you have previously selected during this session, the system displays the following message:

Error: Item already selected!

To end item number selection, press F7 to accept the screen. For more information on scrolling screen processing, refer to Appendix A: Scrolling Screen Processing.

PRIORITY (DISPLAY ONLY)

This field displays the item priority. The priority is one of the following: critical, high, medium, or low. The field length is eight characters and prints in the column immediately to the right of the item number field.

ITEM TYPE (DISPLAY ONLY)

This field displays the item type. The item type field contains one of the following descriptions:

- Defect
- Development-Defect
- Information Issue-External
- International Defect
- Enhancement
- Development Enhancement
- Information Issue-International
- International-Internal
- Design Modification
- Client Specific
- International Enhancement

The Item Type field length is 17 characters and prints in the column to the right of the priority field.

RECEIVE DT. (DISPLAY ONLY)

This field displays the date the item was received on the hub CPU. The format is MM/DD/YY and prints to the right of the Item Type field.

DESCRIPTION SUMMARY (DISPLAY ONLY)

This field displays the item description summary. This field is one line and prints up to 76 characters. The field prints below the information line (Item number, Priority, Item Type, Receive Dt.) and is indented two spaces from the left.

NAVIGATOR/GUI VERSION (DISPLAY ONLY)

This field displays, if an STI is a Navigator/GUI STI, the Navigator/GUI version with which the STI is associated.

When you have completed your item selection, the system prompts you to accept the information on the screen:

```

                                General Hospital Transfer to Live Processor
                                Thu Jun 04, 2009 02:39 pm

Current Queue for Live
Item #      Priority      Item Type      Receive Dt.
Description Summary
Navigator/GUI Version
M23652      High          Dev Defect      04/06/09
UPDATE 3M INTERFACE TO ACCOMMODATE APRDRG GROUPEL VERSION 25
14.05 (04/2009)

M23865      High          Reg - Enhancement 06/04/09
INCREASE CONDITION CODES FROM 7 TO 11 AND OCCURRENCE SPAN CODES FROM 2 TO 4
14.07 (06/2009)

Accept ? (Y/N) [Y]--

```

If you enter N at the above prompt, the system allows you to add or delete items from your screen.

If you enter Y or press ENTER at the above prompt, the system performs a cross check for all items you selected against all items in the queue. The cross check executes in the foreground and updates your screen as to what item is being checked at any given time. As intersecting items are found, the system adds the item to the list of selected items on your screen. Once the cross check is complete the system displays the following prompt:

Initiate software transfer to Live ? (Y/N)--

Enter **N** to abort the Transfer to Live processor and return to the Software Transfer menu. Enter **Y** to initiate the Transfer to Live processor. The system displays the last software evaluation date, as in the following example:

Software Evaluation last executed on 09/08/93!

The system then displays the following prompt:

Are you sure you want to transfer software into the Live ID? (YES/N)--

Enter **N** to abort the Transfer to Live processor and return to the Software Transfer menu. Enter **YES** to initiate the software transfer to the Live ID.

Impact

Once you accept the screen, the system:

- Displays *Background Job Started!* on your screen
- Checks *all* Live IDs for activity. If any of the following activities are found on any CPU in the Live ID, the Transfer to Live processor returns a status to your screen stating the activity and on which CPU found. The Transfer to Live processor then aborts. The system checks for the following activities:
 - User activity
 - Midnight processing
 - Bar-code spooler
 - Network activity
 - Interfaces
 - Reports
 - Parameter regeneration
 - Hourly jobs

An example of an error message is as follows:

CPU CL1-1 79 hospital logged-on system!

- Initiates a cross check against the Hold Queue. The Transfer to Live processor initiates a cross check for the current Live ID Queue against the Hold Queue to insure that software contained in hold items is not transferred due to being defined in another item. All items that intersect with the Hold Queue are placed in the Hold Queue and not transferred to the Live ID. You can also find a listing of the items placed in the Hold Queue by printing a Hold Queue Report.
- No cross check is performed for the current queue.
- Initiates software evaluation process on all CPUs. The Transfer to Live processor initiates the evaluation process to insure that no conflicts exist. If conflicts exist, the software transfer aborts for *all* CPUs to insure that software does not become out of synch.
- Initiates software transfer on all appropriate CPUs. Once *all* software evaluations have completed and found *no* conflicts, the software transfer is initiated on all CPUs.

- Returns you to the Software Transfer menu.
- Stores software evaluation statuses in a file on the hub CPU. Upon completion the Transfer to Live processor returns a complete status to the hub CPU.

Output

The system creates the Software Transfer Audit Report. For more information on this report, see [“Software Transfer Audit Report” on page 5-60](#).

Transfer to Test

To transfer software to the Test ID from the current Test Queue, select the Transfer to Test option from the Software Transfer menu. The system displays the following screen:

General Hospital Transfer to Live Processor	
Mon Jun 29, 2009 12:45 pm	
Page:01	Available Releases
(1) 13.0 Live Release	
(2) 14.0 Upgrade Release	
Enter choice--	

A table of available releases for the Live queue is displayed. When the system is in *support* mode, only one release is displayed. If the system is in *upgrade* mode, all available releases are displayed as shown in the above screen.

If item notifications have been received, the system displays the following message: *

*****ATTENTION*****

Item Notifications have been received on your system from the HBOC Corporate office. Please review current and historical queue information within the Item Notification report before performing any transfers.

*****ATTENTION*****

When you select the desired release, the system displays the following prompt:

Perform software transfer for (A)ll or (S)elected items--

Enter **A** to initiate the software transfer for all items in the selected queue (refer to “[All Items](#)” on page 5-52). Enter **S** to initiate the software transfer for selected items in the selected queue (refer to “[Selected Items](#)” on page 5-54).

ALL ITEMS

Enter **A** to transfer all items in the queue. The system displays all items in the queue. An example of the screen is shown below.

General Hospital Transfer to Test Processor		
Wed Jun 03, 2009 03:41 pm		
Software to be Transferred from ELEC HOLD REL 2		
Summary Description	Item #	CIR'd
Page:01 Navigator/GUI Version	Priority	Docs
(1) RUNTIME ERROR IF CHANGE PAYMENT FROM	Type	
E-CHECK TO CREDIT CARD DURING PROCESS	M23576	06/04/09
14.07 (06/2009)	High	UI
	Defect	
(2) UPDATE 3M INTERFACE TO ACCOMMODATE	M23652	04/06/09
APDRG GROUPEX VERSION 25	High	UI
14.05 (04/2009)	Dev Defect	
(3) INCREASE CONDITION CODES FROM 7 TO 11	M23865	06/04/09
AND OCCURRENCE SPAN CODES FROM 2 TO 4	High	UI
14.07 (06/2009)	Reg - Enhancement	
(4) DISALLOW ENTRY OF REV CD WHEN THE SAME	M23888	06/04/09
CD EXISTS WITHOUT LEADING ZEROES	High	
	Defect	
Initiate software transfer to Test ? (Y/N)--		
/ = next screen		

The screen contains the following information:

- Current queue
- Item description
- Item summary
- Item number
- Complete in release date (CIR'd)
- Item priority
- Implementation/Questionnaire indicators
- Navigator/GUI Version (if the STI is a Navigator/GUI STI)
- Item Type

The system displays the following prompt:

Initiate software transfer to Test ? (Y/N)--

Enter **N** to abort the Transfer to Test processor and return to the Software Transfer menu. Enter **Y** to initiate the Transfer to Test processor; the system displays a message containing the last software evaluation date, as in the following example:

Software Evaluation last executed on 09/08/93!

The system then displays the following prompt:

Are you sure you want to transfer software into the Test ID? (YES/N)--

Enter **N** to abort the Transfer to Test processor and return to the Software Transfer menu. Enter **Y** to initiate the software transfer to the Test ID.

Impact

Once you accept the screen, the system:

- Displays *Background Job Started!* on your screen
- Checks *all* Test IDs for activity. If *any* of the following activities are found on any CPU in the Test ID, the Transfer to Test processor returns a status to your screen stating the activity and on which CPU the activity as found:
 - User activity
 - Midnight processing
 - Bar-code spooler
 - Network activity
 - Interfaces
 - Reports
 - Parameter regeneration
 - Hourly jobs

The Transfer to Test processor then aborts. An example of an error message is as follows:

CPU CL1-1 Program XGSO job number 15 is active!

- Initiates a cross check against the Hold Queue. The Transfer to Test processor initiates a cross check for the Test ID Queue against the Hold Queue to insure that software contained in hold items is not transferred due to being defined in another item. All items that intersect with the HoldQueue are placed in the Hold Queue and not transferred to the Test ID. You can also find a listing of the items placed in the Hold Queue by printing a Hold Queue Report.

- No cross check is performed for the current queue.
- Initiates software evaluation process on all CPUs. The Transfer to Test processor initiates the evaluation process to insure that no conflicts exist. If conflicts exist, the software transfer aborts for *all* CPUs to insure that software does not become out of synch.
- Initiates software transfer on all appropriate CPUs. Once *all* software evaluations have completed and found *no* conflicts, the software transfer is initiated on all CPUs.
- Returns you to the Software Transfer menu.
- Stores software evaluation statuses in a file on the hub CPU. Upon completion the Transfer to Test processor returns a complete status to the hub CPU.

Output

The system creates the Software Transfer Audit Report. For more information on this report, see [“Software Transfer Audit Report” on page 5-60](#).

SELECTED ITEMS

If you enter an S to transfer selected items, the system displays the following scrolling screen:

General Hospital Transfer to Test Processor			
Thu Jun 04, 2009 02:46 pm			
Current Queue for Test			
Item #	Priority	Item Type	Receive Dt.
Description Summary			
Navigator/GUI Version			
M23652	High	Dev Defect	04/06/09
UPDATE 3M INTERFACE TO ACCOMMODATE APRDRG GROUPER VERSION 25			
14.05 (04/2009)			
F1Prev Page F2Next Page F3 Insert F4 Delete F6 Reset F7 Exit ?			

The date, time, and the queue you have selected are displayed. This information remains at the top of the screen throughout the item selection process. The system displays the following scrolling screen options when you access this screen:

F1 Prev Page F2 Next Page F3 Insert F4 Delete F5 Select F6 Reset F7 Exit?

For more information on scrolling screen processing, refer to Appendix A: Scrolling Screen Processing.

Field Explanations

ITEM NUMBER (5-C-R)

This field contains the item number the processor transfers. The field prints in the left most column. You can select items by entering an item number or by selecting from a table. If you know the item number, enter it into this field by entering the item number preceded by the product code (example; P1234, X3098). If you do not know the item number, you can select the item from a table of items in the queue by entering a dash (-).

The item number must be entered with the correct format (product code preceding item number - 1A_4N). If you enter an incorrect format for the item number or an item number that does not exist in the queue, the system displays the following message:

Error: Invalid Item #!

The item number you enter must also have a valid product code. Valid codes are as follows:

F	Financials	L	Laboratory
G	Accounts Payable	M	Patient Care
H	Payroll	O	Fixed Assets
I	Materials Management	P	Pharmacy
J	General Ledger	X	Radiology

If the product code is not valid, the system displays the following message:

Error: No Items found!

Once you have entered an item number or made a selection from the table, the system displays the item information. The system then prompts you to enter another item number.

If you select an item that you have previously selected during this session, the system displays the following message:

Error: Duplicate Item #!

To end item number selection, press F7 to accept the screen. For more information on scrolling screen processing, refer to Appendix A: Scrolling Screen Processing.

PRIORITY (DISPLAY ONLY)

This field displays the item priority. The priority is one of the following: critical, high, medium, or low. The field length is eight characters and prints in the column immediately to the right of the item number field.

ITEM TYPE (DISPLAY ONLY)

This field displays the item type. The item type field contains one of the following descriptions:

- Defect
- Development-Defect
- Information Issue-External
- International Defect
- Enhancement
- Development Enhancement
- Information Issue-International
- International-Internal
- Design Modification
- Client Specific
- International Enhancement

The Item Type field length is 17 characters and prints in the column to the right of the priority field.

RECEIVE DT. (DISPLAY ONLY)

This field displays the date the item is received on the hub CPU. The format is MM/DD/YY and prints to the right of the Item Type field.

DESCRIPTION SUMMARY (DISPLAY ONLY)

This field displays the item description summary. This field is one line and prints up to 76 characters. The field prints below the information line (Item number, Priority, Item Type, Receive Dt.).

NAVIGATOR/GUI VERSION (DISPLAY ONLY)

This field displays, if an STI is a Navigator/GUI STI, the Navigator/GUI version with which the STI is associated.

When you have completed your item selection, the system prompts you to accept the information on the screen:

General Hospital Transfer to Test Processor			
Thu Jun 04, 2009 10:26 am			
Current Queue for Test			
Item #	Priority	Item Type	Receive Dt.
Description Summary			
Navigator/GUI Version			
M23652	High	Dev Defect	04/06/09
UPDATE 3M INTERFACE TO ACCOMMODATE APRDRG GROUPER VERSION 25			
14.05 (04/2009)			
Accept ? (Y/N) [Y]--			

If you enter N at the above prompt, the system allows you to add or delete items from your screen.

If you enter Y or press ENTER at the above prompt, the system performs a cross check for all items you selected against all items in the queue. The cross check executes in the foreground and updates your screen as to what item is being checked at any given time. As intersecting items are found, the system adds the item to the list of selected items on your screen. Once the cross check is complete the system displays the following prompt:

Initiate software transfer to Test ? (Y/N)--

Enter **N** to abort the Transfer to Test processor and return to the Software Transfer menu. Enter **Y** to initiate the Transfer to Test processor; the system displays a message containing the last software evaluation date, as in the following example:

Software Evaluation last executed on 09/08/93!

The system then displays the following prompt:

Are you sure you want to transfer software into the Test ID? (YES/N)--

Enter **N** to abort the Transfer to Test processor and return to the Software Transfer menu. Enter **YES** to initiate the software transfer to the Test ID.

Impact

Once you accept the screen, the system:

- Displays *Background Job Started!* on your screen.

- Checks *all* Test IDs for activity. If any of the following activities are found on any CPU in the Test ID, the Transfer to Test processor returns a status to your screen stating the activity and on which CPU the activity was found:
 - User activity
 - Midnight processing
 - Bar-code spooler
 - Network activity
 - Interfaces
 - Queued network information
 - Reports
 - Parameter regeneration
 - Hourly jobs
- The Transfer to Test processor then aborts. An example of an error message is as follows:

CPU CL1-1 Program XGSO job number 15 is active!

- Initiates a cross check against the Hold Queue. The Transfer to Test processor initiates a cross check for the Test ID Queue against the Hold Queue to insure that software contained in hold items is not transferred due to being defined in another item. All items that intersect with the HoldQueue are placed in the Hold Queue and not transferred to the Test ID. You can also find a listing of the items placed in the Hold Queue by printing a Hold Queue Report.
- Initiates software evaluation process on all CPUs. The Transfer to Test processor initiates the evaluation process to insure that no conflicts exist. If conflicts exist, the software transfer aborts for *all* CPUs to insure that software does not become out of synch.
- Initiates software transfer on all appropriate CPUs. Once *all* software evaluations have completed and found *no* conflicts, the software transfer is initiated on all CPUs.
- Returns you to the Software Transfer menu.
- Stores software evaluation statuses in a file on the hub CPU. Upon completion the Transfer to Test processor returns a complete status to the hub CPU.

Output

The system creates the Software Transfer Audit Report. For more information regarding this report, see Software Transfer Reports starting on page [5-60](#).

Console Log Listing

For more information, see the *MultiSTAR Software Environment Operations Guide*.

Console Message Display

This option allows you to display the console log listing in real time.

VT to Another Machine

This option enables you to initiate a link over the network to a remote CPU.

SOFTWARE TRANSFER REPORTS

The Software Transfer Reports provide you with information regarding your software transfers and the overall status of your current and hold queues. To view or print the reports, select the Software Transfer Reports option from the SoftwareTransfer menu. The system displays the Software Transfer Reports menu:

```

General Hospital Software Transfer Reports Processor
                                Thu Jun 04, 2009 03:54 pm
Software Transfer Reports Input Options

Option No.  Option
-----
      1      Software Transfer Audit Report
      2      Software Transfer Status Report
      3      Software Transfer PRE-/POST- Processing

      4      Conversion Log Report
      5      Item Notification Report

      6      Customer Access Report

      7      View Spooled Reports

Enter option number--

```

Each of the items on this menu are explained in the following pages.

Software Transfer Audit Report

The Software Transfer Audit Report provides a means to report on the historical queues. The system displays the following screen:

```

General Hospital Software Transfer Audit Report Processor
                                Thu Jun 04, 2009 04:03 pm

1 Queue          2 Transfer Date      3 Products
TEST REL 2      Thu 06/04/09          All
4 Sort          5 Hardcopy
PI              No

Accept this screen? (Y/N) [Y]--

```

Field Explanations

1. QUEUE (TABLE LOOKUP - R)

This field enables you to define the historical queue. The system displays the following prompt:

Select (L)ive or (T)est--

Once you select the queue, the system displays the queue name and the following screen:

General Hospital Software Transfer Audit Report Processor Mon Jun 29, 2009 12:45 pm	
Page:01 (1) 13.0 Live Release (2) 14.0 Upgrade Release	Available Releases
Enter choice--	

A table of available releases for the selected queue is displayed. When the system is in *support* mode, only one release is displayed. If the system is in *upgrade* mode, all available releases are displayed as shown in the above screen.

Once you have selected a release, the system returns to the initial screen.

2. TRANSFER DATE (TABLE LOOKUP - R)

This field enables you to define the transfer date(s) in which you are interested. The system prompts you to enter a transfer date range with the following prompts:

Enter start date, or (A)for All transfer dates [Today]--

Enter end date [Today]--

Enter **A** to transfer for all dates; the system displays a table of all transfer dates for the selected queue. If you enter a specific date range, the system displays a table of only those transfers that occurred within the specified date range.

Once you select the date(s) from the table, the system displays the abbreviated day of the week and the date (MM/DD/YY format).

3. PRODUCTS (TABLE LOOKUP - R)

This field enables you to define the products you want the report to include. When you access this field, the system displays the following prompt:

Include all products? (Y/N) [Y]--

If you enter Y, the system includes all products on report and displays *all* on the screen. If you enter N, the system displays a table of available products. Once you have entered your selection, the system displays the product codes on the screen.

4. SORT (5-A-R)

This field contains the sort information. When you access this field, the system displays the following prompt:

*Sort by (R)eceive date, (T)ransfer date, (P)riority, (I)tem number [R]--
For primary sort by product enter `P` before selection (ie; `PR`, or `PT`)*

Enter **R** to sort the report by the date the item was received on the CPU. The system displays *R* in the field.

Enter **T** to sort items by the date of the Transfer. The system displays *T* in the field.

Enter **P** to sort the items by priority (critical, high, medium, or low). The system displays *P* in the field.

Enter **I** to sort the report by ascending item number. The system displays *I* in the field. To further sort the items by product, enter a **P** before your selection. The system displays a *P* and your selection (for example, *PI* for sort by product and item number).

5. HARDCOPY (1-A-O)

This field allows you to print the information to %PC1 (the default printer for software control) if **Y** is selected. To view the audit information online, enter **N**.

Once you complete the fields on the screen, the system displays the following prompt:

Accept this screen? (Y/N) [Y]--

Enter **N** to edit the fields on the screen. Enter **Y** or press ENTER to accept the screen.

Impact

Once you accept the screen, the system:

- Prints a report for the queue and products you selected
- Displays *Printing!* on your screen
- Returns you to the Software Transfer menu

Output

The Software Transfer Audit Report contains the following information:

- Historical queue (Originating queue)
- Item number
- Sort sequence
- Description summary

- Item priority
- Transfer date
- Receive date
- Employee
- Navigator/GUI Version

Report examples and field explanations are on the following pages.

Figure 5.7 Software Transfer Audit Report

03/27/09 11:34am		General Hospital		Page: 1	
		Software Transfer Audit Report			
		Transfer Date Range: 03/05/09-03/05/09			
Queue: LIVE				Sort: Receive Dt.	
Products: All					
###	Description Summary	Item #	Priority	Transfer Dt.	
	Navigator/GUI Version	Receive Dt.		Employee	

1	CANCEL DISCHARGE USER CAN PLACE THEM IN A BED THAT IS OCC	M23759	High	03/05/09	John Smith
		03/05/09			
2	THIS IS A TEST STI FOR NAVIGATOR	M99998	Medium	03/05/09	John Smith
	14.03 (02/2009)	03/05/09			
3	THIS IS ANOTHER TEST STI FOR	M99999	Medium	03/05/09	John Smith
	NAVIGATOR	03/05/09			
	14.04 (03/2009)				
Press NL--					

Report Layout

Report Header

REPORT NAME

This report has the report name, Software Transfer Audit Report, on the first line of this report header. This field is centered on the report.

REPORT DATE AND TIME

This field is the day, date and time the report was printed. This field is centered on the line below the Report name field.

TRANSFER DATE RANGE:

This field contains the date range within which items transferred to the selected historical queue. This field is centered on the line below the Report name field.

PAGE NUMBER

The page number of the report prints on the first line of the report and is right justified.

Report Body

QUEUE:

The queue information contains the originating queue from which the item was transferred. This field prints below the Page number and is left justified on the report.

SORT:

This field contains alpha characters representing the sort selection. The characters are from the following list:

R - Receive date P - Priority/Product

T - Transfer date I - Item number

Sort characters may be preceded by a *P*, indicating that the report is also sorted by product. This field prints on the same line as the ID field and is right justified on the report.

PRODUCTS:

This field contains all products selected. The products are represented by one alpha character codes. The codes are as follows:

F	Financials	L	Laboratory
G	Accounts Payable	M	Patient Care
H	Payroll	O	Fixed Assets
I	Materials Management	P	Pharmacy
J	General Ledger	X	Radiology

This field prints on the line below the ID field and is left justified on the report.

DESCRIPTION SUMMARY

This field contains the item summary. This field prints one line below the Products field and is left justified on the report. The description field requires two lines, the second line is indented beneath the first. This field has a maximum length of forty-five characters.

ITEM # PRIORITY

This field contains the item number and the item priority. The priority is one of the following: critical, high, medium, or low. The field prints on the first line of the description and is located in the column to the right of the description summary field.

TRANSFER DT.

This field contains the date the item transferred. The date format is as follows: MM/DD/YY (04/29/92). This field prints to the right of the Item # Priority field.

RECEIVE DATE

This field contains the date the item was received on site. The date format is as follows: MM/DD/YY (04/29/92). This field prints one line below the Description Summary field and is centered in the Item # Priority column.

EMPLOYEE

This field displays the name of the employee who initiated the software transfer. This field prints one line below the Transfer Dt. field.

NAVIGATOR/GUI VERSION (DISPLAY ONLY)

This field displays, if an STI is a Navigator/GUI STI, the Navigator/GUI version with which the STI is associated.

Report Footer

Once the system prints all of the report, *End of Report* prints on the last page.

Software Transfer Status Report

The Software Transfer Status Report contains the following information:

- Date of last software transfer to the Test and Live IDs
- Number of items in Hold Queues
- Oldest receive date of items in Hold Queues
- Number items in current queues
- Oldest receive date of items in current queues
- Status of software transfer

Once you select the Software Transfer Status Report, the system displays the following prompt:

Hardcopy? (Y/N) [N]--

Enter **Y** to create a paper copy of the report; the system displays *Printing!* on your screen and spools the report. The system then returns you to the Software Transfer menu.

Enter **N** to display the report to your screen.

Impact

Once you have accepted or selected a printer, the system:

- Displays *Printing!* on your screen
- Prints the Software Transfer Status Report either to a printer or to your screen
- Returns you to the Software Transfer menu

Output

The Software Transfer Status Report contains the following information:

- Date of last software transfer to the Test and Live IDs
- Number of items in Hold Queues
 - Test Rel 1
 - Test Rel 2
 - Live
- Oldest receive date of items in Hold Queues
 - Test Rel 1
 - Test Rel 2
 - Live
- Number items in current queues
 - Test Rel 1
 - Test Rel 2
 - Live
- Oldest receive date of items in current queues
 - Test Rel 1
 - Test Rel 2
 - Live
- Status of software transfer
 - If transfer is late, how late

- If Software Transfer is active or inactive

Report examples and field explanations are on the following pages.

Figure 5.8 Software Transfer Status Report

General Hospital Software Transfer Status Report Printed: Sept 02, 1993 11:15 am Page:01 Software Transfer Status: Active			
Hold Queue Information	Live	Test Rel 1	Test Rel 2
# of items in queue	2	5	N/A
Oldest receive date	08/02/93	08/02/93	N/A
Live and Test Queue Information	Live	Test Rel 1	Test Rel 2
Last software transfer	08/02/93	08/02/93	N/A
# of items in queue	24	56	N/A
Oldest receive date	08/02/93	08/02/93	N/A
End of Report			

Report Layout

Report Header

REPORT NAME

This report has the report name, Software Transfer Status Report, on the first line of this report header. This field is centered on the report.

REPORT DATE AND TIME

This field is the date and time the report was printed. The field is labeled *Printed:* This field is centered on the line below the Report Name field.

PAGE NUMBER

The page number of the report prints on the line below the Report Date and Time field and is right justified.

Report Body

SOFTWARE TRANSFER STATUS:

This field contains the status of software transfer on the system. If more than four weeks has elapsed between software transfers, the Software Transfer parameter is set to No. If the Software Transfer parameter is set to No, this field contains the date software transfer was inactivated, for example:

Inactive - Oct 1, 1993

This field prints on the line below the Report Date and Time field and is left justified on the report. This line is followed by a blank line.

Section Header

The name of this report section is Hold Queue Information. The section header prints two lines below the SoftwareTransfer Status field and is left justified on the report. This field is underlined.

Report Body

COLUMN HEADERS

The column headers are labeled Live, Test Rel 1, and Test Rel 2. The headers print on the same line as the section header and are also underlined.

OF ITEMS IN QUEUE

This field contains the number of items found for each of the following *hold* queues:

- Live
- Test Rel 1
- Test Rel 2

The field name is left justified on the report and prints two lines below the section header line. The queue information is right justified in the appropriate column.

OLDEST RECEIVE DATE

This field contains the *oldest* or earliest item receive date on the system for each of the following *hold* queues:

- Live
- Test Rel 1
- Test Rel 2

The field name is left justified on the report and prints below the number of items header line. The queue information is right justified in the appropriate column.

Section Header

The name of this report section is Live and Test Queue Information. The section header prints two lines below the Oldest Receive Date field and is left justified on the report. This field is underlined.

Report Body

COLUMN HEADERS

The column headers are labeled Live, Test Rel 1, and Test Rel 2. The headers print on the same line as the section header and are also underlined.

LAST SOFTWARE TRANSFER

This field contains the date of the last software transfer executed for each of the following queues:

- Live
- Test Rel 1
- Test Rel 2

The field name is left justified on the report and prints below the section header line. The queue information is right justified in the appropriate column.

OF ITEMS IN QUEUE

This field contains the number of items found for each of the following queues:

- Live
- Test Rel 1
- Test Rel 2

The field name is left justified on the report and prints below the last software transfer line. The queue information is right justified in the appropriate column.

OLDEST RECEIVE DATE

This field contains the *oldest* or earliest item receive date on the system for each of the following queues:

- Live
- Test Rel 1
- Test Rel 2

The field name is left justified on the report and prints below the number of items header line. The queue information is right justified in the appropriate column.

Report Footer

Once the system prints all of the report, *End of Report* prints on the last page.

Pre-/Post-Processing Report

The Pre-/Post-Processing Report contains information regarding routines defined as pre- or post-processing per queue. The report is sorted by pre- or post-processing definition. Reported information includes the following:

- Item number
- Product
- Pre-/post-processing description
- Sequence
- Run ID

To view or print the report, select Pre-/Post-Processing Report from the Software Transfer menu. The system displays the following screen:

```
General Hospital Software Transfer PRE-/POST- Processing Processor
                                Fri Jun 05, 2009 03:43 pm

1 Queue          2 Products          3 Hardcopy
  ELEC HOLD REL 2      All              No

Accept this screen? (Y/N) [Y]--
```

Field Explanations

1. QUEUE (TABLE LOOKUP-R)

This field enables you to define the historical queue. The system displays the following prompt:

Select (L)ive or (T)est--

Once you select the queue, the system displays the queue name and the following screen:

```
General Hospital Software Evaluation Processor
                                     Mon Jun 29, 2009 12:45 pm

Page:01                               Available Releases
( 1) 13.0 Live Release
( 2) 14.0 Upgrade Release

Enter choice--
```

A table of available releases for the selected queue is displayed. When the system is in *support* mode, only one release is displayed. If the system is in *upgrade* mode, all available releases are displayed as shown in the above screen.

Once you have selected a release, the system returns to the initial screen. The selected release displays in the field.

2. PRODUCTS (TABLE LOOKUP-R)

This field enables you to define the products you want the report to include. When you access this field, the system displays the following prompt:

Include all products? (Y/N) [Y]--

If you enter Y, the system includes all products on report and displays *all* on the screen. If you enter N, the system displays a table of available products. Once you have entered your selection, the system displays the product codes on the screen.

3. HARDCOPY(1-A-R)

This field allows you to print the information to %PC1 (the default printer for software control) if Y is selected. To view the information online, enter **N**.

Once you have accepted the screen, the system either spools the report to the printer or displays the report on the screen depending on the selection for the Hardcopy field.

Impact

Once you have accepted the screen, the system:

- Displays *Printing!* on your screen.
- Prints the Pre-/Post-Processing Report either to the spooler or to your screen.
- Returns you to the Software Transfer menu.

Output

Report examples and field explanations are on the following pages.

Figure 5.9 Pre-/Post-Processing Report

General Hospital Pre-/Post-Processing Report for Current Live Queue					
Page:01					
Item #	Description	Routine	Pre/Post	Sequence	Run ID
Product: Laboratory					
L1234	Synch micro codes	LABCV12	Post	2	Dest
L1253	Del obsolete software	LABDEL	Post	99	Dest
Product: Radiology					
X1234	Del obsolete software	XDEL	Post	99	Dest
End of Report					

Report Layout

Report Header

REPORT NAME

This report has the report name, Pre-/Post-Processing Report, with the selected queue name on the first line of this report header. This field is centered on the report.

PAGE NUMBER

The page number of the report prints on the line below the Report Date and Time field and is right justified.

Report Body

PRODUCTS

This field contains the product for which the following items belong. The field is left justified and prints two lines below the column title line. The field is labeled Product:.

ITEM

This field contains the item number. The field prints one line below the product field and is the left most column on the report.

DESCRIPTION

This field contains the pre- or post-processing description. This field prints one line below the Products field and to the right of the item number field. This field has a maximum length of thirty characters.

ROUTINE

This field contains the routine name defined for pre- or post-processing. The field prints to the right of the description field. (If the field contains code, the Item description prints.)

PRE/POST

This field identifies the routine as pre- or post-processing. If the routine executes before the transfer, *Pre* prints in the field. If the routine executes after the transfer, *Post* prints in the field. This field prints in the column to the right of the routine field.

SEQUENCE

This field indicates the order in which the routine is defined to execute. If the sequence field is not defined the field is blank. The field prints in the field to the right of the pre/post field.

RUN ID

The ID in which the routine is to execute prints in this field. The ID is indicated by *Src* and *Dest* (source and destination). The field prints in the left most column on the report.

Report Footer

Once the system prints all of the report, *End of Report* prints on the last page.

Conversion Log Report

Use this option to display the Conversion Log Report, that contains messages logged by conversions defined within items. This report displays start and end times for conversions, item number, and any defined description.

ITEM NOTIFICATION

The Item Notification processor alerts you regarding those items that are one of the following:

- Documentation Modification
- Pink Alert
- Dependent on other items:
 - Hold Items
 - Transfer From Hold Items

For more information regarding the above, please review the following sections.

Documentation Modification Notification

If the documentation for an item has been modified, the system receives a notification at the time of ESD delivery.

Impact

For a notification indicating a change in documentation, the system prints, after the item is unbundled, a message on the Console Log containing the item number and description, as in the following example:

***Document Mod for Release 8.0 ** Item #M8257 SIM ISSUES WITH ALTERNATIVE NAMES AND FREQUENTLY ORDERED/CHARGED MENUS*

This includes a Navigator/GUI STI that has had its Navigator/GUI version modified

Output

All notifications print on the item notification reports. For more information, see [“Item Notification Reports” on page 5-76](#).

Pink Alert Notification

Once the item package is delivered and unbundled, the system checks the ESD Hold ID for *pink alert* items.

Impact

If an item contains a *pink alert* number in the Reference System field, the system prints, after the item is unbundled, a message on the Console Log containing the item number and description, as in the following example:

***PINK ALERT for Release 8.0** Item #X3505 Exam Can't be completed/released if activity tracking record is full*

Output

All notifications print on the item notification reports. For more information, see [“Item Notification Reports” on page 5-76](#).

HOLD AND RELEASE FROM HOLD ITEM NOTIFICATION

When the ESD processor connects to your system, the processor delivers any hold and release item information before delivering any software.

- If there is an item that is dependent on another item that contains a known defect, the system places that item in a hold queue.
- If there is an item that is dependent on another item that contains the defect resolution for a known defect, the system takes the item out of the hold queue and places the item into the current queue.

Impact

Upon receipt of hold item information, the system performs the following:

- Prints, when message is received and after item is unbundled, a message on the Console Log containing the item number, description, and reason for hold, for example:

***HOLD Notification for Release 8.0** Item #X3505 Exam can't be completed/released if activity tracking record is full*

***HOLD Reason** Item #X3505 - Syntax Error #X3506*

- If the item is not on the system, the following message is printed on the console log:

Item #X3505 for Release 8.0 Hold Notification Type BYPASSED!

- If the Hold item is in the Live ID, the following message prints to the Console Log:

Hold Item transferred to Live. Contact HBOC for ASSISTANCE

- Stores item information in order to perform cross check when unbundling or transferring software.
- Performs search for hold item in *all* queues.

- Releases system initiated hold items, when *Release from hold!* item is delivered and unbundled. The system also releases all intersecting items. A message prints to the Console Log containing the *Release from hold!* items, for example:

***Release Notification for Release 8.0** Item #X3505 Exam can't be completed/released if activity tracking record is full*
***Dependent Item** Item #3507*

Output

All notifications print on the item notification reports. For more information, see Item Notification Reports, below.

The system generates a report containing the following information:

- All notifications
- Hold items and related information
- All intersecting items and related information
- Current queues (originating queues)
- Hold reasons
- Notification items in Live ID
- Released items

Item Notification Reports

There are two notification reports; the Item Notification Summary Report and the Item Notification Detail Report. Both reports contain information regarding item notifications received via ESD, such as:

- All notifications
- Hold items and related information
- All intersecting items and related information
- Current queues (originating queues)
- Hold reasons
- Notification items in Live ID
- Released items
- STIs that have had their Navigator/GUI versions modified

The report is available from the Software Transfer menu by selecting the Software Transfer Reports option.

Upon selection, the system displays the following screen:

General Hospital Item Notification Reports Processor			
Tue Aug 31, 1993 09:41 am			
1 Report	2 Queue	3 Begin Date	4 End Date
Summary	Current	04/01/93	05/25/93
5 Products	6 Status	7 Page by Product	8 Hardcopy?
L,X	ALL	Yes	Yes
Accept this screen (Y/N)?--			

Field Explanations

1. REPORT (7-A-R)

This field enables you to define the type of report you want to print. The system displays the following prompt:

Select (S)ummary or (D)etail report--

Enter **S** to select the Item Notification Summary Report; the system displays *Summary* in the field. Enter **D** to select the Item Notification Detail Report; the system displays *Detail* in the field. The system defaults to summary.

2. QUEUE (10-AN-R)

This field enables you to select the current queue for which you want the report to print. The system displays the following prompt:

Enter (H)istorical or (C)urrent Queue--

Enter **C** for the Current Queue; the system displays *Current* in the field. Enter **H** for the Historical Queue; the system displays *Historical* in the field.

3. BEGIN DATE (DATE-R)

Define the beginning notification receive date to include on the report. When you access this field, the system displays the following prompt:

Oldest Date - 02/10/95

Enter beginning date [yesterday]--

Enter the earliest notification on receive date to include on the report. Press ENTER to accept the default of yesterday.

4. END DATE (DATE-R)

Define the ending notification receive date to include on the report. When you access this field, the system displays the following prompt:

Enter ending date [Today]--

The default is *Today*.

5. PRODUCTS (TABLE LOOKUP-R)

This field enables you to define by product which hold items you wish to view or print on the report. The system defaults to 'ALL'. Once you select the products, the system displays the product codes (letters). The codes are as follows:

F	Financials	L	Laboratory
G	Accounts Payable	M	Patient Care
H	Payroll	O	Fixed Assets
I	Materials Management	P	Pharmacy
J	General Ledger	X	Radiology

6. STATUS (7-A-R)

This field enables you to define the status for which you want the report to print. When you access this field, the system displays the following prompt:

Select (D)oc, (H)old, (P)ink, (R)elease or (A)ll or any combinations [A]--

Enter **H** to print only those items with a hold notification. The system displays *Hold* in the field. Enter **R** to print only those items with a release notification. The system displays *Release* in the field. Enter **P** to print only those items with a pink alert notification. The system displays *Pink* in the field. Enter **A** to print all notification items. The system displays *All* in the field. You may also print a combination of statuses; for example, enter **DP** to print the documentation and pink alert notifications. The system displays the status code in the field.

7. PAGE BY PRODUCT (3-A-R)

This field enables you to instruct the system to page break between products. When you access this field, the system displays the following prompt:

Page break by product? (Y/N) [Y]--

Enter **N** to page break at the end of page. Enter **Y** to begin at the top of a new page with each product. The system displays Yes or No in the field. The system defaults to 'Yes'.

8. HARDCOPY (1-A-R)

This field identifies whether the system should create a hard copy version of this report or display the report on your screen. Enter **Y** to spool the report to a system printer; the system displays a list of available printers on which you may print the report. Enter **N** or press ENTER to display the report on your screen. The system defaults to 'No'.

Once you complete the fields on the screen, the system displays the following prompt:

Accept this screen? (Y/N) [Y]--

Enter **N** to edit the fields on the screen. Enter **Y** or press ENTER to accept the screen.

Impact

If you enter N at the above prompt, the system allows you to edit your screen. If you enter Y or press ENTER at the above prompt, the system:

- Displays *Printing!* on your screen.
- Initiates compilation and print processors in background.
- Returns you to the Software Transfer menu.

Output

The system prints the selected item notification report. For report examples and field explanations refer to “[Item Notification Summary Report](#)” on page 5-79 and refer to “[Item Notification Detail Report](#)” on page 5-81.

Item Notification Summary Report

The Item Notification Summary Report contains all notification information including item number and intersecting item numbers. The Item Notification Summary report is sorted by queue, product, status, and date. An example report follows.

Figure 5.10 Item Notification Summary Report

Fri Jun 05, 2009 05:27 pm					Page: 1
General Hospital Patient Care					
Item Notification Summary Report					
Queue: Current					
Item #	Priority	Status	Process Dt.	ID	
Notification Reason / Release Item					

F9582	High	Document	03/12/08		
New Tables/Table Changes, New Modules					
F9775	High	Document	05/12/08		
Post-processing					
F9777	High	Hold	04/19/08	8	
interface takes too long to run and the is too big / F9949					
F9777	High	Release	05/12/08	8	
M99998	Medium	Document	04/03/09	8	
Navigator/GUI Version(s) are now 14.05(04/2009), 15.0.1(04/2009)					
M99999	Medium	Document	04/02/09	8	
Navigator/GUI Version(s) are now 14.05(04/2009), 15.0.1(04/2009)					
Press NL--					

Report Layout

Report Header

REPORT DATE AND TIME

This field is the day, date, and time the report was printed. This field is left justified on the first line of the report.

PAGE NUMBER

The page number prints on the first line of the report and is right justified.

HOSPITAL NAME

The hospital name is centered on the second line of the report.

REPORT NAME

This report name, Item Notification Summary Report, is centered on the second line of the report.

Report Body

QUEUE:

This field contains the queue name from or to which the listed items were moved. The queue name is always *Historical* or *Current*. This field prints on the fourth line of the report and is left justified.

ITEM

This field contains the item number. The item number is indented one space and is six characters in length. The field prints in the left most column on the report.

PRIORITY

This field displays the item priority. The priority is one of the following: critical, high, medium, or low. The field length is eight characters and prints in the column immediately to the right of the Item # field.

STATUS

This field displays the status of the item. For example, the status of an item may be *Hold*, *Pink*, *Doc*, or *Release*, depending on the nature of the item notification. The field is eight characters in length and prints in the column immediately the right of the Priority field.

PROCESS DATE

This field displays the date on which the notification is processed. The field is eight characters in length and prints to the immediate right of the Status field.

ID

This field displays the ID in which the notification was processed.

NOTIFICATION REASON

This field displays the notification reason. The field prints to the immediate right of the Employee field and prints to the right margin.

One type of reason you may see is a Navigator/GUI version update as seen in [Figure 5.10](#) on page 5-80.

The following reasons are generated when an item is placed in a Hold Queue automatically by the system:

Intersects with item # Pnnnn

Pink Alert!

Dependent on item # Pnnnn

Report Footer

Once the system prints all of the report, *End of Report* prints on the last page.

Item Notification Detail Report

The Item Notification Detail Report contains all notification information including item number, item description, and intersecting item numbers with item description. An example report follows:

Figure 5.11 Item Notification Detail Report

Fri Jun 12, 2009 11:02 am

Page: 1

General Hospital

Item Notification Detail Report

Queue: Historical

Item #	Priority	Item Type	Status	Receive Dt.	Process Dt.	ID
Description Summary						
Notification Reason / Release Item						

+M7510	High	Defect	Pink	02/28/93	02/26/93	1
WHEN PRINTING THE DIET WORKSHEET IS NOT BREAKING CORRECTLY						
/ Pink Alert!						
M23616	Low	Dev Def	Document	04/01/09	04/01/09	
IA MULTI-CPU NEEDS TO HANDLE SPLIT-DATABASE ON SAME HOST SCENARIO						
Description						
M99998	Medium	Defect	Document	04/03/09	04/03/09	
ANOTHER TEST						
Navigator/GUI Version(s) are now 14.05(04/2009), 15.0.1(05/2009)						
M99999	Medium	Defect	Document	04/02/09	04/02/09	
A NEW NAVIGATOR/GUI TEST WHICH WILL GO TO BOTH TEST CUSTOMERS						
Navigator/GUI Version(s) are now 14.05(04/2009), 15.0.1(05/2009)						
+L1234	High	Defect	Release	05/20/93	05/18/93	1
SUMMARY REPORTS NOT PAGING CORRECTLY						
/ Dependent item #L1230						

[End of Report]

Report Layout

Report Header

REPORT DATE AND TIME

This field is the day, date, and time the report was printed. This field is left justified on the first line of the report.

PAGE NUMBER

The page number prints on the first line of the report and is right justified.

HOSPITAL NAME

The hospital name is centered on the second line of the report.

REPORT NAME AND NOTIFICATION DELIVERY DATE

This report name, Item Notification Detail Report, is centered on the third line of the report.

Report Body

QUEUE:

This field contains the queue name selected when the report was generated. The queue name is always *Historical* or *Current*. This field prints on the fourth line of the report and is left justified.

ITEM #

This field contains the item number. If the item was selected for hold and release and then released, the item number is preceded by a plus (+). The item number is indented one space and is six characters in length. The field prints in the left most column on the report.

PRIORITY

This field displays the item priority. The priority is one of the following: critical, high, medium, or low. The field length is eight characters and prints in the column immediately to the right of the Item # field.

ITEM TYPE

This field displays the item type. The item type field contains one of the following descriptions:

- Defect
- Development-Defect
- Information Issue-External
- International Defect
- Enhancement
- Development Enhancement
- Information Issue-International
- International-Internal
- Design Modification
- Client Specific
- International Enhancement

The Item Type field length is 17 characters and prints in the column to the right of the priority field.

STATUS

This field displays the status of the item. For example, the status of an item may be *Hold*, *Pink*, *Doc*, or *Release* depending on the action taken as result of the item notification. The field is eight characters in length and prints in the column immediately the right of the Priority field.

RECEIVE DT.

This field displays the date the item was received on the hub CPU. The format is MM/DD/YY and prints to the right of the Status field.

PROCESS DT.

This field displays the date on which the notification is processed. The field is eight characters in length and prints to the immediate right of the Status field.

PROCESS ID

This field displays the ID in which the item was found.

NOTIFICATION REASON

This field displays the reason for the notification. The field prints to the immediate right of the Process ID field and prints to the right margin.

One type of reason you may see is a Navigator/GUI version update as seen in [Figure 5.11](#) on page 5-82.

The following reasons are generated when an item is placed in a Hold Queue automatically by the system:

Intersects with item # Pnnnn

Pink Alert!

Dependent on item # Pnnnn

Report Footer

Once the system prints all of the report, *End of Report* prints on the last page.

Customer Access Report

The Customer Access report shows the users who have CST or Forms and Menus access at the customer site. The report can either be viewed online or printed as a hardcopy.

Impact

Once the screen has been accepted, the system:

- Displays *Gathering Data on remote systems...*
- Spools the report, if Hardcopy is selected, to the default printer defined within software control with a comment of C Sign on Access Report.
- Displays the report on the screen if Hardcopy is not selected,.
- Returns to the Software Transfer Reports Input Options menu.

Output

The report is displayed on the screen the users who have CST and/or Forms and Menus access at the customer site. If the Hardcopy is selected, this same report is spooled to the default printer defined within software control.

Figure 5.12 Customer Access Report

General Hospital Customer Access Report Processor	
Thu Jun 25, 2009 12:37 pm	
General Hospital Customer Access Report	
06/25/2009 12:37pm	Page: 1
Employee Name	Job Responsibility

CPU: General Hospital	
Smith, John	CST & Forms & Menus Certified
Doe, Jane	CST Certified
Employee, Hospital	Forms & Menu Certified
CPU: General Hospital Financial	
Smith, John	CST & Forms & Menus Certified
Doe, Jane	CST Certified
Employee, Hospital	Forms & Menu Certified
[End of Report]	

Report Layout

Report Header

HOSPITAL NAME

The hospital name is centered on the first line of the report.

REPORT DATE AND TIME

This field is the day, date, and time the report was printed.

REPORT NAME

This report name, Customer Access Report, is centered on the third line of the report with the hospital name.

PAGE NUMBER

The page number prints on the forth line of the report and is right justified.

Report Body

EMPLOYEE NAME

This field shows the name of the employees who have CST and/or Forms and Menus access at the customer site. The names are listed last name, first name and middle initial if one exists.

JOB RESPONSIBILITY

This field shows if the user is CST certified, or Forms and Menus certified, or both.

CPU

If the customer site has any remote boxes, the CPU field shows which CPU the certified users have access.

Report Footer

Once the system prints all of the report, End of Report prints on the last page.

QUEUE MAINTENANCE

Use Queue Maintenance Input Options menu to access both Current Queue and Hold Queue maintenance options.

```

                                General Hospital Queue Maintenance Processor
                                Wed May 24, 1995 12:45 pm
Queue Maintenance Input Options

Option No.  Option
-----
    1    Current Queue Maintenance
    2    Hold Queue Maintenance

Enter option number--
```

Current Queue Maintenance

Use the Current Queue Maintenance function to remove one or more items from a selected current queue. You must execute this function for each desired queue on each CPU.

WARNING: This function can have dire results on your system. Use this function with extreme caution!

To remove items from the current queue, select Current Queue Maintenance from the Queue Maintenance Input Options menu.

If the CPU is networked, the system displays a table of available destination CPUs, as shown in the following example screen:

```

                                General Hospital Queue Maintenance Processor
                                Wed May 24, 1995 07:10 am

Page:01                                Available Destinations
( 1) FN1-11

Enter choice, or current CPU(C)--
```

Enter the option number of the desired CPU. The system then displays a table of IDs containing current queues, as in the following example:

```

                                General Hospital Queue Maintenance Processor
Wed May 24, 1995 07:13 am

Page:01                                Current Queue IDs
( 1) 10-LIVE
( 2) 11-TEST REL 2
( 3) 12-ARCHIVE
( 4) 14-TEST REL 1
( 5) 17-ELEC HOLD REL 2

Enter choice--
```

Enter the option number of the desired ID. The system then displays the following prompt:

Enter remove all(A) or display(D) items in the queue--

From this prompt, you can either remove all items in the queue or display the items in the queue.

REMOVE ALL ITEMS

Enter **A** to remove all items in the queue. The system displays a screen listing the items in the queue, as in the following example screen:

```

                                General Hospital Queue Maintenance Processor
Wed May 24, 1995 07:16 am

Page:01                                Items to be Removed
( 1) F3305                                (18) H3578
( 2) F3562                                (19) H3584
( 3) F4139                                (20) H3589
( 4) F4242                                (21) H3605
( 5) F4249                                (22) H3612
( 6) F4298                                (23) J1135
( 7) F4303                                (24) J1539
( 8) F4322                                (25) L3860
( 9) F4348                                (26) L3863
(10) F4349                                (27) L5060
(11) F4355                                (28) M7756
(12) F4376                                (29) M8391
(13) H3272                                (30) M8660
(14) H3412                                (31) M8919
(15) H3512                                (32) M9072
(16) H3515                                (33) M9133
(17) H3518                                (34) P4161

Continue? (Y/N)--
```

The system displays the following prompt:

Continue? (Y/N)--

Enter **N** to abort the Current Queue Maintenance processor and return to the Software Transfer menu. Enter **Y** to continue with the process; the system displays the following prompt:

Are you sure? (YES/N)--

Enter **N** to abort the Current Queue Maintenance processor and return to the Software Transfer menu. Enter **YES** to continue the process.

Impact

When you accept the screen, the system:

- Displays *Removing Items from Queue!* on your screen.
- Removes all items from the selected queue.

DISPLAY ITEMS

Enter **D** to display and select from a list of items in the queue. The system displays a list of items in the current queue, as shown in the following example:

General Hospital Current Queue Maintenance Processor			
Wed May 24, 1995 07:21 am			
Current Queue for LIVE			
Page 01	Description Summary	Item #	Priority Complete
			Receive Dt.
(1)	REIMBURSEMENT TABLE REPORT (FTR140)	F4249	Medium 11/23/93
	DOES NOT PRINT ALL REIMBURSEMENT CODES		01/07/94
(2)	W-2 REPORT SECURITY LEVEL IS NOT SET-UP	H3584	High 11/24/93
			02/11/94 HI
(3)	SUPPRESSION OF MEMO-PAPER F/UP FOR ZERO	F3305	High 12/01/93
	ACCOUNTS -COLLECTION LETTERS PRINT +		03/04/94 HI,UI
(4)	INSURANCE AND GUARANTOR WORKFILE	F3562	Medium 11/30/93
	CORRECTIONS		03/04/94
(5)	REMOVE FINANCIAL ACCOUNT MASTER	F4139	High 11/24/93
	INFORMATION FOR PURGED ACCOUNTS.		03/04/94
Enter Choice--			

Enter the option number(s) of the items to be removed from the queue. The system checks each selection to ensure that intersecting items are also removed. When this process is complete, the system displays a list of selected and intersection items, as shown in the following example.

```
General Hospital Queue Maintenance Processor
Wed May 24, 1995 07:21 am
Current Queue for LIVE
Page:01                      Items to be Removed
( 1) F4249
( 2) F4298

Continue? (Y/N)--
```

The system displays the following prompt:

Continue? (Y/N)--

Enter **N** to abort the Current Queue Maintenance processor and return to the Software Transfer menu. Enter **Y** to continue with the process; the system displays the following prompt:

Are you sure? (YES/N)--

Enter **N** to abort the Current Queue Maintenance processor and return to the Software Transfer menu. Enter **YES** to continue the process.

Impact

When you accept the screen, the system:

- Displays *Removing Items from Queue!* on your screen.
- Removes all selected and intersecting items from the selected queue.

Hold Queue Maintenance

To transfer an item to or from the Hold Queue or request a report of the Hold Queue, you select the Hold Queue Maintenance option from the Software Transfer menu. The system displays the Hold Queue Maintenance menu as shown below:


```
General Hospital Hold Queue Maintenance Processor
                                Tue Jun 30, 2009 11:26 am
Hold Queue Maintenance Input Options

Option No.  Option
-----
      1      Item Transfer to Hold Queue
      2      Item Transfer from Hold Queue
      3      Hold Queue Report

Enter option number--
```

ITEM TRANSFER TO HOLD QUEUE OPTION

This processor enables you to mark an item(s) with a *hold* status and remove it from the Live or Test Queues. When you select the Item Transfer to Hold Queue processor option, the system displays the following prompt:

Select (L)ive or (T)est--

If you enter L, the system searches for items in the Transfer to Live Queue. If you enter T, the system searches for items in the Transfer to Test Queue. The queue in which the item resides determines your selection.

Once your queue selection is entered, the system displays the following screen:

```
General Hospital Hold Queue Maintenance Processor
                                Mon Jun 29, 2009 12:45 pm

Page:01                                Available Releases
( 1) 13.0 Live Release
( 2) 14.0 Upgrade Release

Enter choice--
```

A table of available releases for the selected queue is displayed. When the system is in *support* mode, only one release is displayed. If the system is in *upgrade* mode, all available releases are displayed as shown in the above screen.

Once you have selected a release, the system displays the following screen:

General Hospital Item Transfer to Hold Queue Processor			
Fri Jun 12, 2009 04:50 pm			
Current Queue for Live			
Employee Name : Smith, John			
Item	Priority	Item Type	Receive Dt.
Description Summary			
Hold Reason			
Navigator/GUI Version			
M23652	High	Dev Defect	04/06/09
UPDATE 3M INTERFACE TO ACCOMMODATE APRDRG GROUPEL VERSION 25			
Not Tested			
14.05 (04/2009)			
F1Prev Page F2Next Page F3 Insert F4 Delete F5Copy Cm F6 Reset F7 Exit ?			

The date and time, selected queue, and performing employee name are displayed. This information remains at the top of the screen throughout the item selection process. This screen uses scrolling screen processing. The system displays the following scrolling screen options when you access this screen:

F1Prev Page F2Next Page F3 Insert F4 Delete F5 Copy Cmt F6 Reset F7 Exit ?

For more information on scrolling screen processing, refer Appendix A: Scrolling Screen Processing.

Field Explanations

ITEM NUMBER (5-C-R)

This field contains the item number for the item you are transferring to the Hold Queue. The field prints in the left most column. You can select items by entering an item number or by selecting from a table. If you know the item number, enter it into this field by entering the item number preceded by the product code (example; P1234, X3098). If you do not know the item number, you can select the item from a table of items in the queue by entering a dash (-).

The item number must be entered with the correct format (product code preceding item number). If you enter an incorrect format for the item number or an item number that does not exist in the queue, the system displays the following message:

Error: Item does not exist in current queue!

The item number you enter must also have a valid product code.

Valid codes are as follows:

F	Financials	L	Laboratory
G	Accounts Payable	M	Patient Care
H	Payroll	O	Fixed Assets
I	Materials Management	P	Pharmacy
J	General Ledger	X	Radiology

If the product code is not valid, the system displays the following message:

Error: No items found!

Once you have entered an item number or made a selection from the table, the system displays the item information. The system then prompts you to enter another item number.

If you select an item that you have previously selected during this session, the system displays the following message:

Error: Items already selected!

To end item number selection, press F7 to accept the screen. For more information on scrolling screen processing, refer Appendix A: Scrolling Screen Processing.

PRIORITY (DISPLAY ONLY)

This field displays the item priority. The priority is one of the following: critical, high, medium, or low. The field length is eight characters and prints in the column immediately to the right of the item number field.

ITEM TYPE (DISPLAY ONLY)

This field displays the item type. The item type field contains one of the following descriptions:

- Defect
- Development-Defect
- Information Issue-External
- International Defect
- Enhancement
- Development Enhancement
- Information Issue-International
- International-Internal
- Design Modification

- Client Specific
- International Enhancement

The Item Type field length is 17 characters and prints in the column to the right of the priority field.

RECEIVE DT. (DISPLAY ONLY)

This field displays the date the item was received on the hub CPU. The format is MM/DD/YY and prints to the right of the Item Type field.

DESCRIPTION SUMMARY (DISPLAY ONLY)

This field displays the item description summary. This field is one line and prints up to 76 characters. The field prints below the information line (Item #, Priority, Item Type, Receive Dt.) and is indented two spaces from the left.

REASON (74-C-R)

This field contains the reason for transferring the item to the Hold Queue. The field is free-form and prints below the Description Summary field. The field is also indented four spaces from the left margin. This field is required. The system displays the following prompt when you access this field:

Enter hold Reason or F5 to copy from above line!

To accept your hold reason, press ENTER. To copy the previous hold reason press F5 (for more information on scrolling screen processing, refer to Appendix A: Scrolling Screen Processing).

NOTE: The system accepts this field after you enter the 74th character of the reason. (This is sometimes called auto-ENTER).

NAVIGATOR/GUI VERSION (DISPLAY ONLY)

If an STI is associated with a particular Navigator/GUI release, the version is displayed on the line below the Reason. If this line is blank, the STI is not associated with a Navigator/GUI release. The Navigator/GUI version number is indented five spaces from the left.

When you have completed your item selection, the system prompts you to accept the information on the screen:

```

General Hospital Item Transfer to Hold Queue Processor
                                Fri Jun 12, 2009 04:50 pm
Current Queue for Live
Employee Name : Smith, John
Item          Priority          Item Type          Receive Dt.
Description Summary
Hold Reason
Navigator/GUI Version
F10622        Medium          Defect          12/29/92
INS CASH POSTING WITH CONTRACTUALS DOES NOT UPDATE WHEN PAYMENT AMT CHANGED
build in progress

F10701        Low             Enhancement     12/29/92
CHANGING AND THEN DELETING AN ENTRY PUTS BATCH OUT OF BALANCE
not tested

M23652        High             Dev Defect      04/06/09
UPDATE 3M INTERFACE TO ACCOMMODATE APRDRG GROUPEER VERSION 25
Not Tested
14.05 (04/2009)

Accept? (Y/N) [Y]-- |

```

If you enter N at the above prompt, the system allows you to add or delete items from you screen.

If you enter Y or press ENTER at the above prompt, the system performs a cross check for all items you selected against all items in the selected current queue. The cross check executes in the foreground and updates your screen as to what item is being checked at any given time. As intersecting items are found, the system adds the item to the list of selected items on your screen with the following hold reason:

Intersects with item # Pnnnnn

Once the cross check is complete the system displays the following prompt:

Accept? (Y/N) [Y]--

Enter **Y** or press ENTER to initiate the software transfer in the background for all items displayed on the screen. Enter **N** to abort the processor and return to the Hold Queue Maintenance menu.

Impact

If you enter Y to the above prompt, the system:

- Transfers the requested and intersecting item(s) to the Hold Queue
- Removes the requested and intersecting item(s) from the selected queue
- Files the date, time, queue, item, and user

- Displays *Filed!* on your screen

ITEM TRANSFER FROM HOLD QUEUE

This processor enables you to insert one or more item(s) into the appropriate Live or Test Queue and remove them from the Hold Queue. When you access this function, the system displays the following prompt:

Select (L)ive or (T)est --

If you enter L, the system searches for items in the Transfer to Live Queue. If you enter T, the system searches for items in the Transfer to Test Queue. The queue in which the item resides determines your selection.

Once your queue selection is entered, the system displays the following screen:

General Hospital Hold Queue Maintenance Processor	
Mon Jun 29, 2009 12:45 pm	
Page:01	Available Releases
(1) 13.0 Live Release	
(2) 14.0 Upgrade Release	
Enter choice--	

A table of available releases for the selected queue is displayed. When the system is in *support* mode, only one release is displayed. If the system is in *upgrade* mode, all available releases are displayed as shown in the above screen.

Once you have selected a release, the system displays the following screen:

General Hospital Item Transfer from Hold Queue Processor				
Fri Jun 12, 2009 05:40 pm				
Hold Queue for Live				
Employee Name : Smith, John				
Item	Priority	Item Type	Receive Dt.	Hold Dt.
Description Summary				
Hold Reason				
Navigator/GUI Version				
M23652	High	Dev Defect	04/06/09	
UPDATE 3M INTERFACE TO ACCOMMODATE APRDRG GROUPER VERSION 25				
Not Tested				
14.05 (04/2009)				
Enter Item # or "-" for table				
F1Prev Page F2Next Page F3 Insert F4 Delete F5Select F6 Reset F7 Exit ?				

The date and time and the queue you have selected are displayed. This information remains at the top of the screen throughout the item selection process. This screen uses scrolling screen processing. The system displays the following scrolling screen options when you access this screen:

F1 Prev Page F2 Next Page F3 Insert F4 Delete F6 Reset F7 Exit ?

For more information on scrolling screen processing, refer to Appendix A: Scrolling Screen Processing.

Field Explanations

ITEM NUMBER (5-C-R)

This field contains the item number for the item you are transferring from the Hold Queue. The field prints in the left most column. You can select items by entering an item number or by selecting from a table. If you know the item number, enter it into this field by entering the item number preceded by the product code (example; P1234, X3098). If you do not know the item number, you can select the item from a table of items in the queue by entering a dash (-).

The system displays the following prompt when you access this field:

Enter item # or '-' for table--

The item number must be entered with the correct format (product code preceding item number). If you enter an incorrect format for the item number or you enter an item number that does not exist in the queue, the system displays the following message:

Error: Item does not exist in current queue!

The item number you enter must also have a valid product code. Valid codes are as follows:

F	Financials	L	Laboratory
G	Accounts Payable	M	Patient Care
H	Payroll	O	Fixed Assets
I	Materials Management	P	Pharmacy
J	General Ledger	X	Radiology

If the product code is not valid, the system displays the following message:

Error: No items found!

Once you have entered an item number or made a selection from the table, the system displays the item information. The system then prompts you to enter another item number.

If you select an item that you have previously selected during this session, the system displays the following message:

Error: Item already selected!

To end item number selection, press F7 to accept the screen. For more information on scrolling screen processing, refer to Appendix A: Scrolling Screen Processing.

PRIORITY (DISPLAY ONLY)

This field displays the item priority. The priority is one of the following: critical, high, medium, or low. The field length is eight characters and prints in the column immediately to the right of the item number field.

ITEM TYPE (DISPLAY ONLY)

This field displays the item type. The item type field contains one of the following descriptions:

- Defect
- Development-Defect
- Information Issue-External
- International Defect
- Enhancement

- Development Enhancement
- Information Issue-International
- International-Internal
- Design Modification
- Client Specific
- International Enhancement

The Item Type field length is 17 characters and prints in the column to the right of the priority field.

RECEIVE DT. (DISPLAY ONLY)

This field displays the date the item was received on the hub CPU. The format is MM/DD/YY and prints to the right of the Item Type field.

HOLD DT. (DISPLAY ONLY)

This field displays the date the item transferred to the Hold Queue. The date format is MM/DD/YY (04/29/93) and prints to the right of the Receive Dt. field.

DESCRIPTION SUMMARY (DISPLAY ONLY)

This field displays the item description summary. This field is one line and prints up to 76 characters. The field prints below the information line (Item #, Priority, Item Type, Receive Dt., Complete Dt.) and is indented two spaces from the left.

NAVIGATOR/GUI VERSION (DISPLAY ONLY)

If an STI is associated with a particular Navigator/GUI release, the version is displayed on the line below the Reason. If this line is blank, the STI is not associated with a Navigator/GUI release. The Navigator/GUI version number is indented five spaces from the left.

REASON (DISPLAY ONLY)

This field displays the reason for transferring the item to the Hold Queue. The field prints below the Description Summary field. The field is also indented four spaces from the left margin. The hold reason can be one of the following:

Free-form text

This is text entered at the time the item is transferred to the Hold Queue.

System generated hold reason

The following hold reason is system generated when an item is placed in a Hold Queue automatically by the system:

Intersects with item # Pnnnn

When you have completed your item selection, the system prompts you to accept the information on the screen:

General Hospital Item Transfer from Hold Queue Processor				
Fri Jun 12, 2009 04:50 pm				
Hold Queue for Live				
Employee Name : Smith, John				
Item	Priority	Item Type	Receive Dt.	Hold Dt.
Description Summary				
Hold Reason				
Navigator/GUI Version				
F10622	Medium	Defect	12/29/92	2/25/93
INS CASH POSTING WITH CONTRACTUALS DOES NOT UPDATE WHEN PAYMENT AMT CHANGED				
build in progress				
F10701	Low	Enhancement	12/29/92	2/25/93
CHANGING AND THEN DELETING AN ENTRY PUTS BATCH OUT OF BALANCE				
not tested				
M23652	High	Dev Defect	04/06/09	
UPDATE 3M INTERFACE TO ACCOMMODATE APRDRG GROUPEUR VERSION 25				
Not Tested				
14.05 (04/2009)				
Accept? (Y/N) [Y]--				

If you enter N at the above prompt, the system allows you to add or delete items from you screen.

If you enter Y or press ENTER at the above prompt, the system performs a cross check for all items you selected against all items in the Hold Queue. The cross check executes in the foreground. When the cross check is complete, the system displays all selected and intersecting items on your screen. The items are grouped by current queue. Once the cross check is complete the system displays the following prompt:

Accept? (Y/N) [Y]--

Enter **Y** to initiate the software transfer in the background for all items displayed on the screen. Enter **N** to abort the processor and return to the Hold Queue Maintenance menu.

Impact

If you enter Y to the above prompt, the system:

- Transfers the item(s) to the Live or Test Queue. This is determined and filed at the time the item(s) is transferred to the Hold Queue.
- Removes the item(s) from the Hold Queue.
- Files the date, time, queue, item, and user.
- Displays *Filed!* on your screen.

HOLD QUEUE REPORT

To view or print the Hold Queue Report, select the Hold Queue Report option from the Hold Queue Maintenance menu. The system displays the following prompt:

Select (L)ive or (T)est--

If you enter L, the system searches for items in the Transfer to Live Queue. If you enter T, the system searches for items in the Transfer to Test Queue. The queue in which the item resides determines your selection.

Once your queue selection is entered, the system displays the following screen:

```

                                General Hospital Hold Queue Maintenance Processor
                                Mon Jun 29, 2009 12:45 pm

Page:01                                Available Releases
( 1) 13.0 Live Release
( 2) 14.0 Upgrade Release

Enter choice--
```

A table of available releases for the selected queue is displayed. When the system is in *support* mode, only one release is displayed. If the system is in *upgrade* mode, all available releases are displayed as shown in the above screen.

Once you have selected a release, the system displays the following screen:

```

                                General Hospital Hold Queue Report Processor
                                Fri Jun 12, 2009 06:12 pm

1 Hold Queue ID      2 Queue Type      3 Products
2 - TEST REL 2      Current           All
4 Sort              5 Hardcopy
PI                  ->

Hardcopy? (Y/N) [N]-- |
```

Field Explanations

1. HOLD QUEUE ID

The ID number and ID description of the hold queue location.

2. QUEUE TYPE

This field enables you to select the current or historical queue. The current queue contains all items that are currently in the hold queue. The historical queue contains all items that have been transferred out of the hold queue.

The system displays the following prompt:

Enter (C)urrent or (H)istorical queue--

Enter **C** for the current queue. The system displays *Current* in the field. Enter **H** for the historical queue. The system displays *Historical* in the field.

3. PRODUCTS (TABLE LOOKUP-R)

This field enables you to define by product which hold items you wish to view or print on the report. The system defaults to 'ALL'. Once you select the products, the system displays the product codes (letters).

The codes are as follows:

F	Financials	L	Laboratory
G	Accounts Payable	M	Patient Care
H	Payroll	O	Fixed Assets
I	Materials Management	P	Pharmacy
J	General Ledger	X	Radiology

4. SORT

This prompt identifies how items should be sorted. The system offers the following sort methods:

- Product/Priority — enter **PP** to sort items by product, and then by priority.
- Product/Receive Date — enter **PR** to sort items by product, and then by receive date.
- Product/Item Number — enter **PI** to sort items by product, and then by item number.
- Product/Complete Date — enter **PC** to sort items by product, and then by complete date.
- Priority — enter **P** to sort items by priority, regardless of product.

- Receive Date — enter **R** to sort items by receive date, regardless of product.
- Item Number — enter **I** to sort items by receive date, regardless of product.
- Complete Date — enter **C** to sort items by complete date, regardless of product.

Press ENTER to sort items by receive date.

5. HARDCOPY (1-A-R)

This field identifies whether the system should create a hard copy version of this report or display the report on your screen. Enter **Y** to spool the report to a system printer; the system displays a list of available printers on which you may print the report. Enter **N** or press ENTER to display the report on your screen. The system defaults to 'No'.

Once you complete the fields on the screen, the system displays the following prompt:

Accept this screen? (Y/N) [Y]--

Enter **N** to edit the fields on the screen. Enter **Y** or press ENTER to accept the screen.

Impact

If you enter N at the above prompt, the system allows you to edit your screen. If you enter Y or press ENTER at the above prompt, the system:

Displays *Printing!* on your screen.

Initiates compilation and print processors in background.

Returns you to the Software Transfer menu.

Output

The Hold Queue Report contains the following information:

- Originating queue
- Item number
- Sort sequence
- Description Summary
- Item priority
- Receive date

- Hold Date
- Employee Initials
- Navigator/GUI Version
- Hold Reason

Report examples and field explanations are on the following pages.

Figure 5.13 Current Hold Queue Report

06/12/09 05:55pm		General Hospital		Page: 1	
Hold Queue Report - TEST REL 2 Queue					
Products: All			Sort: Product/Release Dt.		
Item #	Priority	Item Type	Receive Dt.	Hold Dt.	Emp. Initials
Description Summary					
Hold Reason					
Navigator/GUI Version					
F10622	Medium	Defect	12/29/92	2/25/93	J S
INS CASH POSTING WITH CONTRACTUALS DOES NOT UPDATE WHEN PAYMENT AMT CHANGED build in progress					
F10701	Low	Enhancement	12/29/92	2/25/93	J S
CHANGING AND THEN DELETING AN ENTRY PUTS BATCH OUT OF BALANCE not tested					
M23652	High	Dev Defect	04/06/09		
UPDATE 3M INTERFACE TO ACCOMMODATE APRDRG GROUPEL VERSION 25					
Not Tested					
14.05 (04/2009)					
[End of Report]					
Press NL--					

Report Layout

Report Header

HOSPITAL NAME

The hospital name is centered on the first line of the report.

REPORT DATE AND TIME

This field is the day, date and time the report was printed. This field is left justified on the first line of the report.

PAGE NUMBER

The page number of the report prints on the first line of the report and is right justified.

REPORT NAME

This report has the report name, Hold Queue Report, on the first line of this report header. Printed with the report name is the queue definition. The report name and queue definition are separated by a dash (-). This field is centered on the report and is followed by a blank line.

Report Body**PRODUCTS:**

This field contains all products selected. The products are represented by one alpha character codes. The codes are as follows:

F	Financials	L	Laboratory
G	Accounts Payable	M	Patient Care
H	Payroll	O	Fixed Assets
I	Materials Management	P	Pharmacy
J	General Ledger	X	Radiology

This field prints on the fourth line of the report and is left justified on the report.

SORT:

This field contains alpha characters representing the sort selection. The characters are from the following list:

C - Complete date R - Receive date P - Priority I - Item number

Sort characters may be preceded by a *P*, indicating that the report is also sorted by product. This field prints on the same line as the Products field and is right justified on the report. The fourth line is followed by a dashed line, and then a blank line.

ITEM #

This field contains the item number and prints in the left most column of the report.

PRIORITY

This field displays the item priority. The priority is one of the following: critical, high, medium, or low. The field length is eight characters and prints in the column immediately to the right of the item number field.

ITEM TYPE

This field displays the item type. The item type field contains one of the following descriptions:

- Defect
- Development-Defect

- Information Issue-External
- International Defect
- Enhancement
- Development Enhancement
- Information Issue-International
- International-Internal
- Design Modification
- Client Specific
- International Enhancement

The Item Type field length is 17 characters and prints in the column to the right of the priority field.

RECEIVE DT.

This field contains the date the item was received on site. The date format is as follows: MM/DD/YY (04/29/92). This field prints to the right of the item type field.

HOLD DATE

This field contains the date the item was transferred to the Hold Queue. The date format is as follows: MM/YY/DD (04/29/93). This field prints to the right of the Receive Dt. field.

EMPLOYEE INITIALS

This field displays the initials of the employee who transferred the item and prints in the right most column on the report.

DESCRIPTION SUMMARY

This field displays the item description summary. This field is one line and prints up to 76 characters. The field prints below the information line and is indented two spaces from the left.

NAVIGATOR/GUI VERSION

If an STI is associated with a particular Navigator/GUI release, the version is displayed on the line below the Reason. If this line is blank, the STI is not associated with a Navigator/GUI release. The Navigator/GUI version number is indented five spaces from the left.

HOLD REASON

This field displays the reason for transferring the item to the Hold Queue. The field prints below the Description Summary field. The field is also indented four spaces from the left margin. The hold reason can be one of the following:

- *Free-form text*

This is text entered at the time the item is transferred to the Hold Queue.

- *System generated hold reason*

The following hold reasons are system generated when an item is placed in a Hold Queue automatically by the system:

Intersects with item # Pnnnn

Report Footer

Once the system prints all of the report, *End of Report* prints on the last page.

CUSTOMER SITE PARAMETERS

When you select Customer Site Parameters from the Software Transfer menu, the system displays the following screen:

```

General Hospital Customer Site Parameters Processor
Mon Aug 23, 1993 10:48 am
Customer Site Parameters Input Options

Option No.  Option
-----
1      Customer ID Parameters
2      Customer Release Parameters
3      Customer Transfer Schedule Parameters

Enter option number--

```

Customer ID Parameters

When you select the Customer ID Parameters option, the system displays the following screen:

```

General Hospital Customer ID Parameters Processor
Wed Jul 26, 1995 10:48 am
Last Revised By:  Smith, John on 06/13/95 0918

1 Live ID          2 Test ID/Release 2      3 Archive ID
1                  2                  3
4 Tape Load ID    5 Test ID/Release 1      6 Electronic Load ID
4                  5                  6
7 E-Hold ID/Release 1  8 E-Hold ID/Release 2    9 Archive Rel 2
7                  8                  25
10 Archive Rel 1    11 Archive Att II       12 Archive Upgrade
26                 27                 28
13 DS-Hold/Release 1  14 DS-Hold Release 2
29                 30
Dest. ID           Products for Source ID 9

Press NL--

```

Field Explanations

1. LIVE ID (DISPLAY ONLY)

This field contains the Live ID number.

2. TEST ID/RELEASE 2 (DISPLAY ONLY)

This field contains the Test/Build ID number.

3. ARCHIVE ID (DISPLAY ONLY)

This field contains the Archive ID number.

4. TAPE LOAD ID (DISPLAY ONLY)

This field contains the Tape Load ID number.

5. TEST ID/RELEASE 1 (DISPLAY ONLY)

This field contains the Test ID number.

6. ELECTRONIC LOAD ID (DISPLAY ONLY)

This field contains the Electronic Load ID number.

7. E-HOLD ID/RELEASE 1 (DISPLAY ONLY)

This field contains the Electronic Hold ID/Release 1 number.

8. E-HOLD ID/RELEASE 2 (DISPLAY ONLY)

This field contains the Electronic Hold ID/Release 2 number.

Customer Release Parameters

When you select the Customer Release Parameters option, the system displays the following screen:

```
General Hospital Customer Release Parameters Processor
                                Mon Jun 29, 2009 10:48 am

( 1)Live Release      : 13.0
( 2)Upgrade Release  :
( 3)Auto Load?       : Yes
( 4)Last Revised By  : Smith, John on 01/15/09 0856

Enter NL--
```

Field Explanations

1. LIVE RELEASE (DISPLAY ONLY)

This field contains the release number for the Live ID.

2. UPGRADE RELEASE (DISPLAY ONLY)

This field contains the release number for the Upgrade ID.

3. AUTO LOAD? (DISPLAY)

This field contains either Yes or No. If set to Yes, then ESD delivered software unbundles when a complete package is received. If set to No, ESD delivered software does not unbundle automatically; the software must be unbundled manually.

4. LAST REVISED BY (DISPLAY ONLY)

This field displays the name of the person who last edited the information on this screen and the date on which the information was edited.

Customer Transfer Schedule Parameters

When you select the Customer Transfer Schedule Parameters option, the system displays the following prompt:

Select (L)ive or (T)est --

Once you select the queue, the system displays the following screen:

General Hospital Customer Transfer Schedule Parameter Processor	
Mon Jun 29, 2009 12:45 pm	
Page:01	Available Releases
(1) 13.0 Live Release	
(2) 14.0 Upgrade Release	
Enter choice--	

A table of available releases for the selected queue is displayed. When the system is in *support* mode, only one release is displayed. If the system is in *upgrade* mode, all available releases are displayed as shown in the above screen.

Once you have selected a release, the system displays the Customer Transfer Schedule Parameter screen as shown below:

Customer Transfer Schedule Parameters Processor		
Last Revised By: Smith,John		Fri Jun 12, 2009 06:37 pm
1 Transfer Schedule Status	2 Queue	3 Transfer Cycle
Enabled	Live	4 Weeks
4 Transfer Schedule		5 Run Auto Evaluation
Fri 06/12/09		24 day
6 Auto Evaluation Time		7 Last Software Transfer Date
6:35 pm		05/30/09 5:01am
Enter field number or '/' starting field number--		

Field Explanations

1. TRANSFER SCHEDULE STATUS

This field determines whether this functionality is enabled. If enabled, the evaluation can be set to run automatically at a specific time and on specific days within the transfer schedule. A CST user can be locked out of the Software Transfer functions if a scheduled Software Transfer date is missed and the Last Software Transfer Date becomes more than 5 weeks old. To prevent this from occurring, disable this functionality all together.

2. QUEUE (DISPLAY ONLY)

This field displays the select queue name.

3. TRANSFER CYCLE (1-N-R)

This field allows you to define the software transfer schedule based on a number of weeks. The transfer schedule is calculated according to the value of the transfer cycle. The system displays the following prompt:

Enter Transfer Cycle (1,2,3,4 week(s)) or "-" for list

Enter the numerical value (1, 2, 3, or 4) or enter a dash (-) to display and select from the following table:

(1) 1-Week

(2) 2-Weeks

(3) 3-Weeks

(4) 4-Weeks

The field displays the value selected in the following format, where X is a numerical value equal to 1, 2, 3, or 4: X Week(s)

4. TRANSFER SCHEDULE (1-A-R)

This field allows you to calculate or edit the transfer schedule. Upon access, the system displays the following prompt:

Enter (C)alculate or (E)dit Transfer Schedule --

Enter **C** to calculate a new schedule based on the information in the Transfer Cycle field, the system displays the following prompt:

Enter Transfer Start Date (i.e. 99/99/99 or 999999) [Today] --

Enter the beginning transfer date (the date from which you want the system to calculate future transfer dates). The date format is 99/99/99 or 999999. Press ENTER to enter the present date. The system calculates the transfer schedule from the beginning date through the end of the present year. The field displays the beginning date.

Enter **E** to edit or view an existing transfer schedule. The system displays the transfer schedule as shown in the example below.

Customer Transfer Schedule Parameters Processor											
Last Revised By: Smith, John on 06/12/09 1835					Fri Jun 12, 2009 06:46 pm						
1 Transfer Schedule Status			2 Queue		3 Transfer Cycle						
Enabled			Live		4 Weeks						
4 Transfer Schedule					5 Run Auto Evaluation						
-> Fri 06/12/09					24 day						
6 Auto Evaluation Time					7 Last Software Transfer Date						
6:35 pm					05/30/09 5:01am						
Week	Transfer		Tran	Week	Transfer		Tran	Week	Transfer		Tran
Date				Date				Date			
1	Fri	06/12/09	No	12	Fri	04/16/10	No				
2	Fri	07/10/09	No	13	Fri	05/14/10	No				
3	Fri	08/07/09	No								
4	Fri	09/04/09	No								
5	Fri	10/02/09	No								
6	Fri	10/30/09	No								
7	Fri	11/27/09	No								
8	Fri	12/25/09	No								
9	Fri	01/22/10	No								
10	Fri	02/19/10	No								
11	Fri	03/19/10	No								
F1Prev Page F2Next Page F3 Insert F4 Delete F6 Reset F7 Exit ?											

The transfer schedule parameter information remains at the top of the screen throughout the editing process. The calculated transfer schedule uses the scrolling screen format. The system displays the following scrolling screen options:

F1 Prev Page F2 Next Page F3 Insert F4 Delete F6 Reset F7 Exit?

For more information on scrolling screen processing, refer to Appendix A: Scrolling Screen Processing.

The calculated schedule includes the following information:

- Week number
- Transfer day and date
- Transfer status

The *week number* is calculated from the beginning date and also provides you with the number of transfers required based on the transfer cycle and beginning date.

The *transfer day and date* are the day and date that the system is expecting a software transfer to execute for the selected queue.

The *transfer status* indicates whether a software transfer actually executed. The field contains either a *No* or *Yes*.

5. RUN AUTO EVALUATION (TABLE SELECTION-O)

To execute the Software Evaluation automatically, this field must have a value. This field determines the day(s) during which the Software Evaluation automatically executes. Upon access, the system displays a table that is created based upon the value in the Transfer Cycle field. If the value in the Transfer Cycle field is one week, the table in this field displays only seven table selections. The number of table selections is equal to the number days within the defined transfer cycle. An example of the table is shown below:

Customer Transfer Schedule Parameters Processor			
Last Revised By: Smith,John on 06/12/09 1835		Fri Jun 12, 2009 06:46 pm	
1 Transfer Schedule Status	2 Queue	3 Transfer Cycle	
Enabled	Live	4 Weeks	
4 Transfer Schedule		5 Run Auto Evaluation	
Fri 06/12/09		-> 24 day	
6 Auto Evaluation Time		7 Last Software Transfer Date	
6:35 pm		05/30/09 5:01am	
Page:01	Auto Evaluation Days	* = Tran Date	##=Current Choices
(1) Sat	(12) Wed	(23) Sun	
(2) Sun	(13) Thu	(24) Mon	
(3) Mon	(14) Fri	(25) Tue	
(4) Tue	(15) Sat	(26) Wed	
(5) Wed	(16) Sun	(27) Thu	
(6) Thu	(17) Mon	(28) Fri (Tran Date)	
(7) Fri	(18) Tue		
(8) Sat	(19) Wed		
(9) Sun	(20) Thu		
(10) Mon	(21) Fri		
(11) Tue	(22) Sat		
Enter choices (e.g. 1,7,5-9) or '--choices to remove--			
end select(NL)			

The transfer date is also indicated on the table. The transfer date is determined by the transfer schedule calculated in the Transfer Schedule field.

Select from the table the day or days during which the auto software evaluation is to execute. The field displays the day numbers (i.e. 3 = the 3rd day of the transfer cycle).

6. AUTO EVALUATION TIME (5-C-O)

This field allows you to enter the time when the system executes the Software Evaluation. The system displays the following prompt:

Enter Auto Evaluation run time (i.e.P..345A)--

To enter the time, enter up to four numbers and an uppercase **P** or **A** (for example: *P*, *345A*, *10P*, *736A*). The field displays the time in the following format: *XX:XXp* or *XX:XXa*.

7. LAST SOFTWARE TRANSFER DATE (DISPLAY ONLY)

This field displays the actual date of the last software transfer.

Once you complete the fields on the screen, the system displays the following prompt:

Accept this screen? (Y/N) [Y]--

Enter **N** to edit the fields on the screen. Enter **Y** or press ENTER to accept the fields on the screen. Once you accept the screen, if the screen information has been edited, the system displays the following messages:

Data Filed

Please Wait Rebuilding Task List

As you exit the Customer Transfer Schedule Parameter screen, the system displays the following prompt:

Print Software Transfer Schedule (Y/N) [N]--

Enter **N** to return to the Customer Site Parameters menu. Enter **Y** or press ENTER to spool the Software Transfer Schedule Report. Access the View Spooled Reports function to print or view the report.

Impact

Once you accept the Customer Transfer Schedule Parameters screen, the system:

- Builds a task list for auto software evaluation dates and times
- Monitors scheduled transfer dates. If software transfer dates are missed, the system writes to the console log every day until the software transfer takes place the following message:

Warning! Software Transfer 3 days late!

- Turns software transfer capabilities off after a total of five weeks with no transfer activity
- Displays the following messages on your screen

Data Filed!

Rebuilding Task List. . .Please Wait!

Compiling and Spooling

- Spools the Software Transfer Evaluation Schedule, if requested
- Returns you to the Customer Site Parameters menu

Output

The Software Transfer/Evaluation Schedule Report contains the following information:

- Scheduled day, date, and time for software evaluation execution
- Schedule day and date for software transfer
- Date range selected
- Report print day, date, and time

Report examples and field explanations are on the following pages.

Figure 5.14 Software Transfer/Evaluation Schedule

```

                                Software Transfer/Evaluation Schedule
                                Tue Aug 12, 1993 11:15 am
Queue:  Live                                     Page 01

Date Range: Aug 26, 1993 - Sept 11, 1993
Software Evaluation execution time: 1:00 AM
Software Evaluation days: 7, 9, 13
Software Transfer cycle: 2 weeks

      Software Evaluation Date
      Software Transfer Date

( 1 ) Thur Aug 19, 1993
      Sat Aug 21, 1993
      Wed Aug 25, 1993
      Thur Aug 26, 1993
( 2 ) Thur Sept 2, 1993
      Sat Sept 4, 1993
      Wed Sept 9, 1993
      Thur Sept 10, 1993

End of Report
```

Report Layout

Report Header

REPORT NAME

This report has the report name, Software Transfer/Evaluation Schedule, on the first line of this report header. This field is centered on the report.

REPORT DATE AND TIME

This field is the day, date and time the report was printed. This field is centered on the line below the Report name field.

QUEUE NAME

This field contains the name of the queue and is labeled Queue:. The queue name is centered on the line below the report date and time.

PAGE NUMBER

The page number of the report prints on the line below the Report Date and Time and is right justified.

Report Body

DATE RANGE:

This field is the selected date range. All transfer and evaluation dates following are scheduled to occur within this range. This field prints below the Page number and is left justified on the report.

SOFTWARE EVALUATION EXECUTION TIME:

This field contains the time of day selected for the evaluation to begin execution. This field prints below the Date Range field and is left justified.

SOFTWARE EVALUATION DAYS:

This field contains the defined days for the auto software evaluation to execute. This field prints on the line below the Software Evaluation execution time field and is left justified on the report.

SOFTWARE TRANSFER CYCLE:

This field contains defined software transfer cycle. This field prints below the Software Evaluation days field and is left justified on the report.

SOFTWARE EVALUATION DATE/SOFTWARE TRANSFER DATE

This field contains the evaluation dates and transfer date for a complete transfer cycle. The evaluation dates print before the transfer date and are left justified. The transfer date prints below the evaluation dates and is indented ten spaces from the left margin. This field prints two lines below the Software Transfer cycle field.

Report Footer

Once the system prints all of the report, *End of Report* prints on the last page.

Chapter 6 - GLOBAL DOCUMENTER

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NODES	6-5
PIECES	6-7
PRINT DOCUMENTATION.....	6-8

INTRODUCTION

This section explains how to use Global Documenter to become familiar with the database.

Choose Global Documenter from the main Software Modification menu. The system displays the following menu:

```
General Hospital Global Documenter Processor
                                   Tue Jul 06, 2010 11:14 am
Global Documenter Input Options

Option No.  Option
-----
      1      Globals
      2      Nodes
      3      Pieces
      4      Print Documentation
      5      Integrity Checker

Enter option number--
```

GLOBALS

For information on globals (files), select the Globals option. You are prompted to enter the name:

Enter Global name--

Enter the name of the global, or enter a hyphen (-) to display a table lookup of available globals.

Once you have entered or selected a global name, information about the global is displayed:

```
( 1)Global Name      : A
( 2)Trees            : 0,3
( 3)Creator          : Homer,Patty V
( 4)Description       : Master Patient Information
```

Enter field number or '/' starting field number--

Additional text describing the global may exist, and is available for display on this screen. The system prompts whether to *Delete?* If you enter N for No, the text displays. Press **F4** to exit the text display.

The following is an example of text describing a global:

```

A Documentation
01 .This global contains all MPI data, as well as patient nursing
02 data and order information.
03 Information for inactive patients and historical information
04 for active patients may reside in tree 3 if created by a
05 release prior to 9.1. Starting 9.1, all patient data created
06 will be found in tree 0.
07
08
09
10
11
12
13
14
15
16
17
18
```

F1	F2	F3	F4	F5	F6	F7	F10
Delete Line	Insert Line	Center	Exit	Store Line	Restore Line	Pack	Help

NODES

For information on nodes (records in files), select the Nodes option. You are prompted to enter the a global name:

Enter Global name--

Enter the name of the global, or enter a hyphen (-) to display a table lookup of available globals.

The system prompts for the name of the node you want to review. Enter the name of the node, or enter a hyphen (-) to display a table lookup of available globals, similar to the following example screen:

```

                                General Hospital Nodes Processor
                                Tue May 23, 1995 09:55 am

Page:01                                Node
( 1) A - AA-Patient Assessment Area      (IN,AN,"NAA",|SEQ)
( 2) A - AC-Account Number Index (tree 0)  (,"A",AN)
( 3) A - AC1-External Patient Account Number  (,"P",EN)
( 4) A - AG-Patient Assessment Group      (IN,AN,"NAA",|SEQ,"AG",|SEQ)
( 5) A - AK-Additional Demographic Information (IN,"A")
( 6) A - AL-Add. Demographic Information-2  (IN,2)
( 7) A - AN-Last AN Used (tree 0)         ("*1")
( 8) A - AP-Patient Assessment Problem List (IN,AN,"NPL",|SEQ)
( 9) A - AP1-Non-assigned Assessment Problem li (IN,AN,"NAP",|SEQ)
(10) A - AQ-Patient Assessment Question    (IN,AN,"NAA",|SEQ,"AG",|SEQ,"AQ",
(11) A - AR-Patient Assessment Recommended Car (IN,AN,"NAR",|SEQ,"Element type",|SEQ,"Elem
(12) A - BC-Inactive Account Number Index (tre  (,"B",AN,IN)
(13) A - BC1-Inactive External Patient Account  (,"X",EN,IN)
(14) A - BK-Previous Names                  (IN,"PN")
(15) A - BP-UB82/92 Data                    (IN,AN,"U")

Enter number or Node Name to add --
                                next page(//)

```

Once a node is entered or selected, a screen similar to the following one displays information about the node.

```

                                General Hospital Nodes Processor
                                Tue May 23, 1995 09:55 am

( 1)Node Name      : A - AK
( 2)Key Structure  : (IN,"A")
( 3)Description    : Additional Demographic Information
( 4)Standard Variable: AK
( 5)Class Code     : W
( 6)Std Lock Symbol : A(IN)
( 7)Primary Delimiter: Colon
( 8)Number of pieces : 12

Edit above data (A) or pieces (P)? --

```

Enter **P** to view the pieces defined in this node. For the above example of Node Name A-AK, the following screen lists the node pieces:

```

                                General Hospital Nodes Processor
                                Tue May 23, 1995 09:55 am

Page:01                        Pieces of A - AK                        ##=Current Choices
( 1) 1-COUNTY
( 2) 2-MEDICARE
( 3) 3-MEDICAID
( 4) 4-MRNMBR
( 5) 5-REGIONAL
( 6) 6-PREVI/P
( 7) 7-PHYS
( 8) 8-LICENSE
( 9) 9-BIRTHPL
(10) 10-ADRLNGTH
(11) 12-ALLERGY
(12) 13-VERSION#

Enter choices to edit, Name to add, first letters `` for available pieces --
                                end selection(NL)
```

You can view additional information on a field by entering the field's number.

The following example displays information for the Patient Name field:

```

                                General Hospital Nodes Processor
                                Tue May 23, 1995 10:35 am

( 1)Piece Number      : 12
( 2)Piece Name        : ALLERGY
( 3)Library Update    : Both
( 4)Description       : Patient Allergies
( 5)Max Length        : 36
( 6)Format            : ALPHANUMERIC

Enter field number or '/' starting field number--
```

PIECES

The Pieces option can be used to look up field information on a field when you know the piece name.

The system displays the prompt:

Enter Piece name-- NAME |

In the case of patient name, the piece name is NAME. You can key in the whole name, or enter part of the name followed by a hyphen (ALL-) to display a lookup table, similar to the following screen:

```

                                General Hospital Pieces Processor
                                Tue May 23, 1995 10:46 am

Page:01                                Piece
( 1) ALLERGY-      Patient Allergies
( 2) ALN_EXP-      Alien Registration Expiration Date
( 3) ALN_REG-      Alien Registration Number
( 4) ALN_TMP-      Alien Registration Temporary Indicator
( 5) ALTACCT-      Alternate Account Number
( 6) ALTACCTD-     Alternate Account Number (Display)
( 7) ALTFL-        Nursing alternate name flag
( 8) ALTFLAG-      Nursing Alternate Names
( 9) ALTNAME-      Ambulatory Diagnosis/Disease State
(10) AMBDIAG-      Completion date/time
(11) AMMRCD-       Transaction Amount
(12) AMOUNT-       Transaction amount
(13) AMT-          Standard Variable Name for Patient Account Nu
(14) AN-           Mother AN Assess Date
(15) ANADATE-

Enter number or Piece Name to add --
                                next page(//)

```

After you enter or select a piece name, the system displays a screen containing information about the piece, as in the following:

```

                                General Hospital Pieces Processor
                                Tue Jun 23, 1995 10:46 am

( 1) Piece Name      : ALLERGY
( 2) Description     : Patient Allergies
( 3) Max Length      : 36
( 4) Format          : ALPHANUMERIC

Enter field number or '/' starting field number--

```

PRINT DOCUMENTATION

Use the Print Documentation option to print information on the database.

When you select this function, the system prompts you to enter the global name to print:

Enter global name to print (- to list, `ALL` for overview report) --

Once you have selected a global, the system prompts you for the nodes to print:

Print all nodes? (Y/N) [N]--

If you enter N for No, the system displays all nodes defined for the selected global, similar to the following screen:

```

                                General Hospital Print Documentation Processor
                                Tue May 23, 1995 09:58 am

Page:01                                Nodes                                ##=Current Choices
( 1) A - AA-Patient Assessment Area      (IN,AN,"NAA",|SEQ)
( 2) A - AC-Account Number Index (tree 0)  (,"A",AN)
( 3) A - AC1-External Patient Account Number (E (,"P",EN)
( 4) A - AG-Patient Assessment Group      (IN,AN,"NAA",|SEQ,"AG",|SEQ)
( 5) A - AK-Additional Demographic Information (IN,"A")
( 6) A - AL-Add. Demographic Information-2 (IN,2)
( 7) A - AN-Last AN Used (tree 0)        ("*1")
( 8) A - AP-Patient Assessment Problem List (IN,AN,"NPL",|SEQ)
( 9) A - AP1-Non-assigned Assessment Problem li (IN,AN,"NAP",|SEQ)
(10) A - AQ-Patient Assessment Question   (IN,AN,"NAA",|SEQ,"AG",|SEQ,"AQ",
(11) A - AR-Patient Assessment Recommended Car (IN,AN,"NAR",|SEQ,"AG",|SEQ,"AQ",
(12) A - BC-Inactive Account Number Index (tre (,"B",AN,IN)
(13) A - BC1-Inactive External Patient Account (,"X",EN,IN)
(14) A - BK-Previous Names                (IN,"PN")
(15) A - BP-UB82/92 Data                  (IN,AN,"U")

Enter choices (e.g. 1,7,5-9) or '--choices to remove--
                                end selection(NL)  next page(/)

```

After you select one or more nodes to print, the system displays a screen requesting print information, as shown in the following example screen.

NOTE: It is recommended that the print job be run in the background, especially if you are printing several nodes of information.

```

                                General Hospital Print Documentation Processor
                                Tue May 23, 1995 10:00 am

( 1)Background Job: YES
( 2)Port Number   : 3
( 3)Form width    : 80
( 4)Form Length   : 66
( 5)Comment Print : Yes

Accept this screen? (Y/N) [Y]--

```

Chapter 7 - PRODUCT DOCUMENTATION

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INTRODUCTION

This section explains how to use SMART functions to print/display documentation relating to a specific profile of software or to specific item numbers. The tracking item functions are used to view ATRACK information that has been converted and sent with the profile. The document functions are used to view documents compiled with the Complete in Release report function on ATRACK via the software control profile build function. The Navigator/GUI Version Report is used to show the STIs that are associated with a particular Navigator/GUI Version.

TRACKING ITEM DISPLAY

This function is used to view documentation sent from the ATRACK system with the profile. The function enables you to select an item number from a system ID or select from all item numbers available on the system.

When you access this function the system prompts you for the item number or system ID selection:

*Enter item number or '-' for list--
 '*' for ID specific information*

Enter the item number, or enter a hyphen (-) to display and select from a list of all item numbers on the system, or enter an asterisk (*) to select from a different system ID.

If you enter a hyphen (-), the system displays a list that includes the following information for each item:

- Summary Description
- Item Number
- Priority
- Available Releases

The system sorts this table by item number, as in the following example:

VMS CLINICALS TEST SYSTEM Tracking Information Display Processor		
Wed Apr 29, 1992 11:05 am		
All Items		
Page 05	Description Summary	Item # Priority
		Releases
(1)	ALLOW BLANK VALUES IN ON-CALL, CHARGE, AND FLOAT RATE TO DEFAULT TO ZERO	H2793 High 10.3,11.1,12.1
(2)	DELETING MANUAL CHECKS AND THE CHECK INDEX	H2871 High 10.3,11.1,12.1
(3)	THE REMITTANCE MAIL FLAG NEEDS TO BE SET DURING THE PAYROLL CONVERSION	H2877 High 10.3,11.1,12.1
(4)	WRONG VALUE PRINTING IN 'BENEFIT EARNED DATE' COLUMN	H2899 High 10.3,11.1,12.1
(5)	CERTAIN DEDUCTIONS ARE BEING TREATED AS SUI EXEMPT WHEN THEY ARE NOT EXEMPT	H2901 High 10.3,11.1,12.1
(6)	HOLIDAYS ARE BEING AWARDED WHEN EMPLOYEE HOLIDAY PLAN IS INACTIVE	H2902 High 10.3,11.1,12.1
(7)	HOURS AVAILABLE/BEGINNING BALANCE/HOURS EARNED-YTD ISSUES	H2909 High 10.3,11.1,12.1
(8)	MISCELLANEOUS DEDUCTIONS AND SEQUENCE NUMBER ON STANDARD TIMECARDS	H2911 High 10.3,11.1,12.1
Enter choice--		
/ = next screen /P = prev screen		

If you enter an asterisk (*), the system displays a list of system IDs with item numbers, as in the following example:

```
VMS CLINICALS TEST SYSTEM Tracking Information Display Processor
                                Wed Apr 29, 1992 10:47 am

Page:01                                IDs
( 1) PC/RX
( 2) ARCHIVE
( 3) ELEC HOLD REL 2
( 4) LAB/RAD
( 5) LIVE
( 6) TEST REL 2

Enter choice--
```

Select the desired system ID. The system then displays the following prompt:

Select (C)urrent, (H)istorical, or H(O)ld queue--

This prompt enables you to select items from either the current, the historical, or hold queue. To display the historical queue, enter **H**. The system then displays the following prompt:

Enter item number or starting receive date [Today]--

If you know the desired item number, enter the item number. The system displays the report open to the selected item.

To select multiple items, enter the earliest date for which items from the historical queue are selected. Press ENTER to make today's date the first date to display.

If you enter a date, the system then displays the following prompt:

Enter end date [Today]--

Enter the most recent date for which items from the historical queue are selected.

Once a valid start and end date are specified for the historical queue, or if the current hold queue is selected, the system displays the following prompt:

Include all products? (Y/N) [Y]--

This prompt enables you to select only those items for one or more particular products. To display items for all products, enter **Y** or press ENTER. To display only items for one or more particular products, enter **N**.

The system displays a list of products, as in the following example screen. Select the product(s) for which you want to display item numbers.

VMS CLINICALS TEST SYSTEM Tracking Information Display Processor		
Wed Apr 29, 1992 10:47 am		
Page:01	Products	##=Current
Choices		
(1) Customization		
(2) Star Financials		
(3) Accounts Payable		
(4) Payroll		
(5) Materials Management		
(6) General Ledger		
(7) Lab		
(8) Patient Care		
(9) Fixed Assets		
(10) Pharmacy		
(11) SQL Report Writer		
(12) Radiology		
(13) Report Writer		
Enter choices (e.g. 1,7,5-9) or '-'choices to remove--		
end selection(NL)		

After you identify product(s), or if you elect to include all products, the system displays the following prompt:

*Sort by (R)eceive date, (C)omplete date, (P)riority, (I)tem number [R]--
For primary sort by product enter 'P' before selection (ie; 'PR', or 'PC')*

This prompt identifies how items should be sorted. The system offers the following sort methods:

- Product/Priority — enter **PP** to sort items by product, and then by priority.
- Product/Receive Date — enter **PR** to sort items by product, and then by receive date.
- Product/Item Number — enter **PI** to sort items by product, and then by item number.
- Product/Complete Date — enter **PC** to sort items by product, and then by complete date.
- Priority — enter **P** to sort items by priority, regardless of product.
- Receive Date — enter **R** to sort items by receive date, regardless of product.
- Item Number — enter **I** to sort items by receive date, regardless of product.
- Complete Date — enter **C** to sort items by complete date, regardless of product.

Press ENTER to sort items by receive date.

After you select the sort method, the system displays item numbers according to the criteria you defined.

For each item, the system displays the following information:

- Summary Description
- Item Number
- Complete Date
- Receive Date
- Implementation Documents

The Complete Date, Receive Date, and Implementation Documents are specific to the release number specified in the selected system ID. The header information before the table display indicates the queue (current or historical) and the system ID description. If the queue is historical the date range selected displays.

The following screen is an example of this display:

```

VMS CLINICALS TEST SYSTEM Tracking Information Display Processor
                                Wed Apr 29, 1992 10:47 am

Current Queue for TEST REL 2
Page 01 Description Summary

Item #  Priority  Complete
Receive Dt.
( 1) ALTERNATE HISTOTECH NUMBERING IS          L4039   High    01/15/92
      INCORRECT WHEN S/P TEST IS ACCESSIONED    04/24/92
( 2) IF CAPITAL METHOD IS NOT DEFINED,          M6340   Critical  01/15/92
      TRANSFER REIMBURSEMENT IS INCORRECT        04/24/92    HI,UQ
( 3) RADIOLOGY MERGE IS EXECUTED WHEN          M6332   High    01/15/92
      PATIENT FILE MERGE HAS NOT TAKEN PLACE    04/24/92
( 4) ERROR WHEN PRINTING THE ORDER/            M5892   Medium   01/14/92
      REQUISITION SIM REPORT W/ MULTIPLE FREQUENC 04/24/92

Enter choice--

```

When you select an item, the system displays a table of the available documents for the item number, as in the following example:

```

Clinical Support - System 2 Tracking Information Display Processor

Item Number: I2352
SPECIAL PROCESSES MENU IS MISSING

Page:01
Documents
( 1) Description          Defined
( 2) HBO Implementation   MN
( 3) Resolution           10.2,10.3

Enter choice--

```

Documentation abbreviations are defined in the following table.

Documentation Abbreviations			Description
DE			Description
DS			Design
	DA		Application Design
	DT		Technical Design
EC			External Comments
HI			McKesson Implementation
	CV		Conversions
		MC	Manual Conversions
		PO	Post-processing
		PR	Pre-processing
	FM		Forms
	HP		McKesson Maintained Parameters
	HS		Horizontal Screens
	MI		Miscellaneous Implementation Steps
	MN		Menus
	MP		Midnight Processing
	NE		Networking Jobstarts/VT
	NM		New Modules
	RP		Reports
	SF		Screen Flow
	SQ		SQL Specific Implementation - McKesson
	TT		Table Types
IC			Internal Comments
RE			Resolution
ST			Steps to Duplicate/Validation Plan
UI			User Implementation
	MI		Miscellaneous Implementation Steps
	NM		New Modules
	PA		Parameters
	SQ		SQL Specific Implementation - User
	TB		New Tables/Table Changes
UQ			User Questionnaire

TRACKING ITEM PRINT

This function is used to view documentation sent online from McKesson with the profile. You can display documentation for a particular item number from a system ID or for all item numbers available on the system.

When you access this function, the system displays the following prompt:

Enter item number or '-' for list--

'' for ID specific information*

Enter the item number, or enter a hyphen (-) to display and select from a list of all item numbers on the system, or enter an asterisk (*) to select from a different system ID.

If you enter a hyphen (-), the system displays a list that includes the following information for each item:

- Summary Description
- Item Number
- Priority
- Available Releases

The system sorts this table by item number, as in the following example:

VMS CLINICALS TEST SYSTEM Tracking Information Display Processor		
Wed Apr 29, 1992 11:05 am		
All Items		
Page 05	Description Summary	Item # Priority
		Releases
(1)	ALLOW BLANK VALUES IN ON-CALL, CHARGE, AND FLOAT RATE TO DEFAULT TO ZERO	H2793 High 10.3,11.1,12.1
(2)	DELETING MANUAL CHECKS AND THE CHECK INDEX	H2871 High 10.3,11.1,12.1
(3)	THE REMITTANCE MAIL FLAG NEEDS TO BE SET DURING THE PAYROLL CONVERSION	H2877 High 10.3,11.1,12.1
(4)	WRONG VALUE PRINTING IN 'BENEFIT EARNED DATE' COLUMN	H2899 High 10.3,11.1,12.1
(5)	CERTAIN DEDUCTIONS ARE BEING TREATED AS SUI EXEMPT WHEN THEY ARE NOT EXEMPT	H2901 High 10.3,11.1,12.1
(6)	HOLIDAYS ARE BEING AWARDED WHEN EMPLOYEE HOLIDAY PLAN IS INACTIVE	H2902 High 10.3,11.1,12.1
(7)	HOURS AVAILABLE/BEGINNING BALANCE/HOURS EARNED-YTD ISSUES	H2909 High 10.3,11.1,12.1
(8)	MISCELLANEOUS DEDUCTIONS AND SEQUENCE NUMBER ON STANDARD TIMECARDS	H2911 High 10.3,11.1,12.1
Enter choice--		
/ = next screen /P = prev screen		

If you enter an asterisk (*), the system displays a list of system IDs with item numbers, as in the following example:

```
VMS CLINICALS TEST SYSTEM Tracking Information Display Processor
                                Wed Apr 29, 1992 10:47 am

Page:01                                IDs
( 1) PC/RX
( 2) ARCHIVE
( 3) ELEC HOLD REL 2
( 4) LAB/RAD
( 5) LIVE
( 6) TEST REL 2

Enter choice--
```

Select the desired system ID. The system then displays the following prompt:

Select (C)urrent, (H)istorical, or H(O)ld queue--

This prompt enables you to select items from either the current or the historical queue. To display the historical queue, enter **H**. The system then displays the following prompt:

Enter item number or starting receive date [Today]--

If you know the desired item number, enter the item number. The system displays the report to your screen for the selected item.

To select multiple items, enter the earliest date for which items from the historical queue is selected. Press ENTER to make today's date the first date to display.

If you enter a date, the system then displays the following prompt:

Enter end date [Today]--

Enter the most recent date for which items from the historical queue is selected.

Once a valid start and end date are specified for the historical queue, or if the current or hold queue is selected, the system displays the following prompt:

Include all products? (Y/N) [Y]--

This prompt enables you to select only those items for one or more particular products. To display items for all products, enter **Y** or press ENTER. To display only items for one or more particular products, enter **N**.

The system displays a list of products, as in the following example screen. Select the product(s) for which you want to display item numbers.

```

VMS CLINICALS TEST SYSTEM Tracking Information Display Processor
                                Wed Apr 29, 1992 10:47 am

Page:01                      Products                      ##=Current
Choices
( 1) Customization
( 2) Star Financials
( 3) Accounts Payable
( 4) Payroll
( 5) Materials Management
( 6) General Ledger
( 7) Lab
( 8) Patient Care
( 9) Fixed Assets
(10) Pharmacy
(11) SQL Report Writer
(12) Radiology
(13) Report Writer

Enter choices (e.g. 1,7,5-9) or '-'choices to remove--
                                end selection(NL)

```

After you identify product(s), or if you elect to include all products, the system displays the following prompt:

*Sort by (R)ecieve date, (C)omplete date, (P)riority, (I)tem number [R]--
For primary sort by product enter 'P' before selection (ie; 'PR', or 'PC')*

This prompt identifies how items should be sorted. The system offers the following sort methods:

- Product/Priority — enter **PP** to sort items by product, and then by priority.
- Product/Receive Date — enter **PR** to sort items by product, and then by receive date.
- Product/Item Number — enter **PI** to sort items by product, and then by item number.
- Product/Complete Date — enter **PC** to sort items by product, and then by complete date.
- Priority — enter **P** to sort items by priority, regardless of product.
- Receive Date — enter **R** to sort items by receive date, regardless of product.
- Item Number — enter **I** to sort items by receive date, regardless of product.
- Complete Date — enter **C** to sort items by complete date, regardless of product.

Press ENTER to sort items by receive date.

After you select the sort method, the system displays item numbers according to the criteria you defined. For each item, the system displays the following information:

- Summary Description
- Item Number
- Complete Date
- Receive Date
- Implementation Documents

The Complete Date, Receive Date, and Implementation Documents are specific to the release number specified in the selected system ID. The header information before the table display indicates the queue (current or historical) and the system ID description. If the queue is historical the date range selected displays.

The following screen is an example of this display:

VMS CLINICALS TEST SYSTEM Tracking Information Display Processor			
Wed Apr 29, 1992 10:47 am			
Current Queue for TEST REL 2			
Page 01 Description Summary			
	Item #	Priority	Complete
	Receive Dt.		
(1) ALTERNATE HISTOTECH NUMBERING IS	L4039	High	01/15/92
INCORRECT WHEN S/P TEST IS ACCESSIONED	04/24/92		
(2) IF CAPITAL METHOD IS NOT DEFINED,	M6340	Critical	01/15/92
TRANSFER REIMBURSEMENT IS INCORRECT	04/24/92		HI,UQ
(3) RADIOLOGY MERGE IS EXECUTED WHEN	M6332	High	01/15/92
PATIENT FILE MERGE HAS NOT TAKEN PLACE	04/24/92		
(4) ERROR WHEN PRINTING THE ORDER/	M5892	Medium	01/14/92
REQUISITION SIM REPORT W/ MULTIPLE FREQUENC	04/24/92		
Enter choice--			

When you select an item, the system displays a table of the available documents for the item number, as in the following example:

```

VMS CLINICALS TEST SYSTEM Tracking Information Print Processor
                                Wed Apr 29, 1992 10:50 am

Current Queue for TEST REL 2
Page:01                                Documents                ##=Current
Choices
( 1) Description
( 2) Design
( 3) External Comments
( 4) HBO Implementation
( 5) Internal Comments
( 6) Resolution
( 7) Steps to Duplicate/Validation Plan
( 8) User Implementation
( 9) User Questionnaire

Enter choices (e.g. 1,7,5-9) or '-'choices to remove--
                                end selection(NL)

```

Select the document(s) to print; only item numbers that have one or more of the selected documents defined are printed. This enables the report to be limited to the selected documents.

To create a report displaying only the summary description, priority, and complete date, select no documents and press ENTER to the prompt.

The system then prompts you for the printer on which you want the report to be produced:

Enter report name or '-' for list [%PC1]--

The system displays the local printer report name defined in the machine parameters as a default. Enter the name of the defined printer or enter a hyphen (-) to display and select from a table of printers.

Change your download report name to %PC1? (Y/N) [N]--

Enter **Y** to change the download report name to the report name you identified in the preceding prompt. Enter **N** or press ENTER to begin spooling the report to the printer.

The following is an example report:

04/29/92 10:51A	VMS CLINICALS TEST SYSTEM - ID(9)	Page:	1
Documents: DE,RE	Release: 10.3		
Queue : Current	Sort : Product/Priority		
Rcv Date : All	Items : All		
Products : L,M			
Item Number: F3298	Priority: High	Complete Date: 01/17/92	
ACCOUNT SELECTION REPORT IN 10.3 DOES NOT REPORT ACCTS ON HOLD			
The Account Selection Report is not properly selecting patients on follow-up hold.			
<hr/>			
Item Number: F3396	Priority: High	Complete Date: 01/17/92	
ACCTS GOING TO WRONG COLLECTION AGENCY IF AGENCY CODES START WITH SAME LETTE			

TRACKING ITEM MOVEMENT HISTORY

The function enables you to create a report showing the trail of an item's movement through the system. You can create this report for an item number from a system ID or select from all item numbers available on the system.

When you access this function, the system displays the following prompt:

*Enter item number or '-' for list--
 '*' for ID specific information*

Enter the item number, or enter a hyphen (-) to display and select from a list of all item numbers on the system, or enter an asterisk (*) to select from a different system ID.

If you enter a hyphen (-), the system displays a list that includes the following information for each item:

- Summary Description
- Item Number
- Priority
- Available Releases

The system sorts this table by item number, as in the following example:

VMS CLINICALS TEST SYSTEM Tracking Information Display Processor			
Wed Apr 29, 1992 11:05 am			
All Items			
Page 05 Description Summary			
	Item #	Priority	Releases
(1) ALLOW BLANK VALUES IN ON-CALL, CHARGE, AND FLOAT RATE TO DEFAULT TO ZERO	H2793	High	10.3,11.1,12.1
(2) DELETING MANUAL CHECKS AND THE CHECK INDEX	H2871	High	10.3,11.1,12.1
(3) THE REMITTANCE MAIL FLAG NEEDS TO BE SET DURING THE PAYROLL CONVERSION	H2877	High	10.3,11.1,12.1
(4) WRONG VALUE PRINTING IN 'BENEFIT EARNED DATE' COLUMN	H2899	High	10.3,11.1,12.1
(5) CERTAIN DEDUCTIONS ARE BEING TREATED AS SUI EXEMPT WHEN THEY ARE NOT EXEMPT	H2901	High	10.3,11.1,12.1
(6) HOLIDAYS ARE BEING AWARDED WHEN EMPLOYEE HOLIDAY PLAN IS INACTIVE	H2902	High	10.3,11.1,12.1
(7) HOURS AVAILABLE/BEGINNING BALANCE/HOURS EARNED-YTD ISSUES	H2909	High	10.3,11.1,12.1
(8) MISCELLANEOUS DEDUCTIONS AND SEQUENCE NUMBER ON STANDARD TIMECARDS	H2911	High	10.3,11.1,12.1
Enter choice--			
/ = next screen /P = prev screen			

If you enter an asterisk (*), the system displays a list of system IDs with item numbers, as in the following example:

```
VMS CLINICALS TEST SYSTEM Tracking Information Display Processor
                                Wed Apr 29, 1992 10:47 am

Page:01                                IDs
( 1) PC/RX
( 2) ARCHIVE
( 3) ELEC HOLD REL 2
( 4) LAB/RAD
( 5) LIVE
( 6) TEST REL 2

Enter choice--
```

Select the desired system ID. The system then displays the following prompt:

Select (C)urrent queue or (H)istorical--

This prompt enables you to select items from either the current or the historical queue. To display the historical queue, enter **H**. The system then displays the following prompt:

Enter item number or starting receive date [Today]--

If you know the desired item number, enter the item number. The system displays the screen on page for the selected item.

To select multiple items, enter the earliest date for which items from the historical queue are selected. Press ENTER to make today's date the first date to display.

If you enter a date, the system then displays the following prompt:

Enter end date [Today]--

Enter the most recent date for which items from the historical queue is selected.

Once a valid start and end date are specified for the historical queue, or if the current queue is selected, the system displays the following prompt:

Include all products? (Y/N) [Y]--

This prompt enables you to select only those items for one or more particular products. To display items for all products, enter **Y** or press ENTER. To display only items for one or more particular products, enter **N**.

The system displays a list of products, as in the following example screen. Select the product(s) for which you want to display item numbers.

```

VMS CLINICALS TEST SYSTEM Tracking Information Display Processor
                                Wed Apr 29, 1992 10:47 am

Page:01                      Products                      ##=Current
Choices
( 1) Customization
( 2) Star Financials
( 3) Accounts Payable
( 4) Payroll
( 5) Materials Management
( 6) General Ledger
( 7) Lab
( 8) Patient Care
( 9) Fixed Assets
(10) Pharmacy
(11) SQL Report Writer
(12) Radiology
(13) Report Writer

Enter choices (e.g. 1,7,5-9) or '-'choices to remove--
                                end selection(NL)

```

After you identify product(s), or if you elect to include all products, the system displays a screen similar to the following:

```

General Hospital Tracking Item Movement History Processor
                                Thu Oct 01, 1992 10:43 am

All Items
Item Number: F1781
                                UPDATE TRANSACTION HISTORY WITH FOLLOW UP CHANGES
1 Elec Hold 2                      2 Test Rel 2
   06/14/92 06:34P                06/18/92 12:41P
3 Elec Hold Rel 1                  4 Test Rel 1

5 Live ID
   07/01/92 12:02P

Press NL--

```

NOTE: This information is only available if the item is transferred using SMART utilities.

DOCUMENT DISPLAY

This function is used to display documents associated with a specified profile. Documents are associated with a profile only when the profile is generated using the Profile Build By Complete Date function on the McKessonSTAR Product Development CPU.

When you access this function, the system prompts you to identify a profile:

Enter profile name or first letters '-' to list --

Enter the name of the profile or enter a hyphen (-) to display and select from a list of profiles. You must select a group profile, and not a sub-profile of a group.

When you identify the profile, the system displays a table of products associated with the profile. The system determines which products to include using the profiles that make up the main group profile.

```

                                General Hospital Document Display Processor
                                Fri Nov 30, 1990 09:50 am

Page:01                                Product Documentation
( 1) STAR FINANCIALS
( 2) ACCOUNTS PAYABLE
( 3) PAYROLL
( 4) MATERIALS MANAGEMENT
( 5) GENERAL LEDGER
( 6) LAB
( 7) PATIENT CARE
( 8) FIXED ASSETS
( 9) PHARMACY
(10) RADIOLOGY
(11) REPORT WRITER

Enter choice--
```

Select the product to display. The system then displays a table of available documents for the product:

```

                                General Hospital Document Display Processor
                                Fri Nov 30, 1990 09:50 am

Page:01                                Documents Available for LAB
( 1) HBO Implementation
( 2) User Implementation

Enter choice--
```

Select the document to display. The system then accesses the document processor to display a table of sections within the selected document.

```
General Hospital Documentation Manual Display Processor

                                Fri Nov 30, 1990 09:51 am

FILE: ^%D001765                                TABLE OF CONTENTS
( 1) SECTION 01    Conversions, Pre/Post processing
( 2) SECTION 02    Forms
( 3) SECTION 03    HBO Maintained Parameters
( 4) SECTION 04    Horizontal Screens
( 5) SECTION 05    Miscellaneous Implementation Steps
( 6) SECTION 06    Menus
( 7) SECTION 07    Midnight Processing Steps
( 8) SECTION 08    Networking Jobstarts/VT
( 9) SECTION 09    New Modules
(10) SECTION 10    Reports
(11) SECTION 11    Screen Flow
(12) SECTION 12    Table Types

Enter Selection--
```

DOCUMENT PRINT

This function is used to print documents associated with a specified profile. Documents are associated with a profile only when the profile is generated using the Profile Build By Complete Date function on the McKessonSTAR Product Development CPU.

When you access this function, the system prompts you to identify a profile:

Enter profile name or first letters '-' to list --

Enter the name of the profile or enter a hyphen (-) to display and select from a list of profiles. You must select a group profile, and not a sub-profile of a group.

When you identify the profile, the system displays a table of products associated with the profile. The system determines which products to include using the profiles that make up the main group profile.

```

                                General Hospital Document Display Processor
                                Fri Nov 30, 1990 09:50 am

Page:01                                Product Documentation
( 1) STAR FINANCIALS
( 2) ACCOUNTS PAYABLE
( 3) PAYROLL
( 4) MATERIALS MANAGEMENT
( 5) GENERAL LEDGER
( 6) LAB
( 7) PATIENT CARE
( 8) FIXED ASSETS
( 9) PHARMACY
(10) RADIOLOGY
(11) REPORT WRITER

Enter choice--
```

Select the product to display. The system then displays a table of available documents for the product:

```

                                General Hospital Document Display Processor
                                Fri Nov 30, 1990 09:50 am

Page:01                                Documents Available for LAB
( 1) HBO Implementation
( 2) User Implementation

Enter choice--
```


Select the document to display. The system then displays a table of available printers:

```

General Hospital Document Print Processor
Fri Nov 2, 1992 03:00 am

File:                %D001765 CLINSTAR-Laboratory Release 8.0

Page:01              Printers
  Name      Description      Port      Name      Description      Port
( 1) %137    Port 137 - 3rd Floo 137  (10) %LIPS    HIGH SPEED ION DEPO 201
( 2) %2      PORT 2          2    (11) %LIPS10  LIPS 10 LASER        201
( 3) %200    LIPS LASER PRINTER 200  (12) %LIPS135 LIPS II NS1 PORT 13  NS1
( 4) %200LIPS LIPS PORT 200    200  (13) %LIPS136 NS1 - Port 136  NS1
( 5) %201    High Speed Laser Pr 201  (14) %LIPS31  LIPS II - NS1 PORT    NS1
( 6) %216    TI 6594 printer    216  (15) %MV6KYOC Kyocera printer on  MV6
( 7) %44     HIGH SPEED PRINTER  44  (16) %MV6LIPS MV6 PORT 3 Kyocera  MV6
( 8) %71     Lips 10 Lase       71  (17) %MVXLIPS LIPS 10 - PORT 71    71
( 9) %ATL    ATLANTA REGION PRIN ATL (18) %PC      DOWNLOAD TO UT        178

Select option--
                        next page (/)

```

Select the printer on which you want the document to print. The system begins to spool the report.

NAVIGATOR/GUI VERSION REPORT

This report shows the STIs that are associated with a particular Navigator/GUI version. The documentation of the Navigator/GUI STIs can also be viewed when the STI is selected.

When this function is selected, the system displays the following prompt:

Allow reporting of inactive Navigator/GUI Versions? (Y/N) [N]-- |

If you accept the default, the system displays the following prompt:

Enter Navigator/GUI Version or '-' for list-- |

Enter the specific Navigator/GUI version or a hyphen (-) to display and select from a list of active Navigator/GUI versions. If a hyphen (-) is entered, the system displays a list of the Navigator/GUI versions and the corresponding month.

General Hospital Display Navigator/GUI STIs Processor		
Fri Jun 26, 2009 02:20 pm		
Page:01	Navigator/GUI Versions	##=Current Choices
Description	Description	
(1) 13.22 (05/2009)		
(2) 13.23 (06/2009)		
(3) 13.24 (07/2009)		
(4) 13.25 (08/2009)		
(5) 14.06 (05/2009)		
(6) 14.07 (06/2009)		
(7) 14.08 (07/2009)		
(8) 14.09 (08/2009)		
(9) 15.0.1 (05/2009)		
(10) 15.0.2 (05/2009)		
(11) 15.0.3 (06/2009)		
(12) 15.0.4 (07/2009)		
(13) 15.0.5 (08/2009)		

Enter choices (e.g. 1,7,5-9) or '-'choices to remove--
end select(NL)

After a selection has been made, the system displays the following message:

Gathering STI info...

and displays the list of STIs associated with the selected Navigator/GUI version. If there are no STIs that have been released for that particular version, the system displays the following:

Press NL for next version--

No STIs found for Navigator/GUI Version 13.25 (08/2009)!

If a version is selected from the list or typed directly, the system displays the list of STIs associated with that particular Navigator/GUI version and includes the following information for each item:

- Item Summary
- STI #
- Complete in Release (CIR'd) date
- Priority
- Queue to which the STI was last moved

General Hospital Display Navigator/GUI STIs Processor			
Page:01		Fri Jun 26, 2009 02:44 pm	
		Navigator/GUI Version 15.0.2 (05/2009)	
Item Summary	STI	CIR'd	
	Priority	Last Moved To	
(1) RUNTIME ERROR IF CHANGE PAYMENT FROM E-CHECK TO CREDIT CARD DURING PROCESS	M23576	05/07/09	
	High	Test Rel 2	
(2) FCW EXECUTABLES MISSING FROM NAVIAGTOR 15.0.1 BUILD	M23869	05/07/09	
	Medium	Test Rel 2	
Select STI to display or press NL for next version--			

The STIs are sorted by Item number. These STIs can be selected individually to view the documentation. If multiple Navigator/GUI versions are selected from the list of releases, the system displays each version, one at a time, in order.

DOCUMENTATION SELECTION

There are several different pieces of item documentation. To review item documentation it is necessary to understand what is contained in each section and how to access each section. Following is an explanation for each section, its contents, and how to access it.

Document Table Display

The document table displays information about the content of the documents for the item number being reviewed. Information displayed includes which releases, sections, and sub-sections have been entered. The following screen is an example document table display:

Page:01	Documents	
(1) Description		Defined
(2) Design		13.1,13.2
(3) External Comments		
(4) HBO Implementation		CV,FM
Enter choice--		
	next page(/)	

NOTE: Choices are only those defined for the STI displayed.

The system displays documents containing sections in bold. In the second column, the system indicates which sections are completed by displaying the section codes.

Documents that do not contain sections display in regular type. If the document is release-specific, the second column contains the completed release numbers. If the document is not release-specific, the second column contains *Defined*.

Section Selection

After you select the document to review, if the document has sections defined the system displays the section table. This display indicates the releases and/or sub-sections that have been completed for the item number:

Document :HBO Implementation	
Page:01	Sections
(1) Conversions, Pre/Post processing	PR,PO
(2) Forms	13.1,13.2
(3) HBO Maintained Parameters	
Enter choice--	
	next page(/)

The system displays sections containing sub-sections in bold. In the second column, the system indicates which sub-sections are completed by displaying the sub-section codes.

Sections that do not contain sub-sections display in regular type. If the section is release-specific, the second column contains the completed release numbers. If the section is not release-specific and is complete, the second column contains *Defined*. If the section is not release-specific and is not complete, the second column remains blank.

Subsection Selection

After you select the section of the document, if the section has sub-sections defined the system displays the sub-section table. This display indicates which sub-sections and releases have been completed.

```

Document   :HBO Implementation
Section    :Conversions, Pre/Post processing
Page:01
Sub-sections
( 1) Manual Conversions           13.1,13.2
( 2) Post-processing
Enter choice--
next page (/

```

Release specific sections display the releases completed. Non-release specific sections display *Defined*.

Release Selection

You perform the release selection process for documentation that has been flagged as release-specific. Release selection is performed after selecting the lowest level component of the document. Depending on the document set-up release, selection occurs after you select the sub-section, section, or document.

The following is an example release selection table:

```

Document   :HBO Implementation
Section    :Conversions, Pre/Post processing
Sub-Section:Manual Conversions
Page:01
Releases
( 1) 9.0

```

Enter choice--

Appendix A - SCROLLING SCREEN PROCESSING

INTRODUCTION.....	A-3
-------------------	-----

INTRODUCTION

Scrolling screen processing enables you to define and edit multiple fields of information for multiple table entries on the same screen. This processing uses the standard cursor management keys (up arrow, down arrow, right arrow, left arrow) and is most effective when all fields for a table entry fits on a single line.

The following is an example of a scrolling screen:

```

      General Hospital Item Transfer from Hold Queue Processor
                                Tue Jun 30, 2009 03:04 pm
Hold Queue for Live
Employee Name : Smith, John
  Item      Priority      Item Type      Receive Dt.   Hold Dt.
  Description Summary
  Hold Reason
  Navigator/GUI Version
M22699      Medium      Enhancement      05/15/09      05/28/09
HMM CHARGE RECORD ENHANCEMENTS WITH INBOUND (IB 2.2B) INTERFACES
Conflict profile when transferring to live, support said to put on hold

                                Enter Item # or "-" for table
F1Prev Page F2Next Page F3 Insert  F4 Delete  F5Select F6 Reset  F7 Exit  ?

```

The first line of the screen contains the field (or column) names. In this example, the scrolling screen field names are *Item*, *Priority*, *Item Type*, *Receive Dt.*, *Hold Dt.*, *Description Summary*, *Hold Reason*, and *Navigator/GUI version*. A scrolling screen may be part of a horizontal screen or may stand alone.

The scrolling screen options display at the bottom of the screen. These options are valid functions keys and the associated functions for scrolling screen processing. There are other keys that perform valid functions in addition to those displayed. All valid keys are explained below.

TAB key

Press the TAB key to move the cursor to the next field (column) of the scrolling screen. If you press this key at a required field and no entry has been made in the field, there is no cursor movement and the system displays the following message:

Error: Field Required!

ENTER

Press ENTER to move the cursor to the next field (column) of the scrolling screen. If you press this key at a required field and no entry has been made in the field, there is no cursor movement and the system displays the following message:

Error: Field Required!

Up Arrow key

Press the up arrow key to move the cursor up one line. If you press this key while the cursor is on the top displayed line, the scrolling screen moves down to display additional lines from the top of the screen. If you press this key while the cursor is on the first line of scrolling screen entries, the system inserts a blank line above the first entry.

Down Arrow key

Press the down arrow key to move the cursor down one line. If you press this key while the cursor is on the bottom displayed line, the scrolling screen moves up to display additional lines from the bottom of the screen. If you press this key while on the last line, the system inserts a blank line after the last entry.

Left Arrow key

Press the left arrow key to move the cursor to the previous field (column) of the scrolling screen.

Right Arrow key

Press the right arrow key to move the cursor to the next field (column) of the scrolling screen. If you press this key at a required field and no entry has been made in the field, there is no cursor movement and the system displays the following message:

Error: Field Required!

F1 - Prev Page

If there are multiple pages of data (more lines than the screen can display at once), you can press the F1 key to *page* (scroll) back to the previous page. If there is no previous page and you press this key, the system *beeps*.

F2 - Next Page

If there are multiple pages of data (more lines than the screen can display at once), you can press the F2 key to *page* (scroll) forward to the next page. If there is no next page and you press this key, the system *beeps*.

F3 - Insert

Press this key to insert a blank row in the table. You can then enter data for each field (column).

NOTE: When you insert a blank row and enter data in the fields, once you accept the screen, the new information is rearranged (sorted) in the appropriate order (the order defined by the system). This may cause entries to display on the screen in a different order than you originally entered them.

F4 - Delete

Press the F4 key to delete the entire line at the cursor position.

F5 - Function Defined

The F5 key is available if it displays at the bottom of your scrolling screen. This key is specific to the function or processor you are using. For a description of the functionality

of the F5 key, refer to the specific reference guide documentation for the function or processor you are using. If this key does not display at the bottom of the scrolling screen, no specific function is defined.

F6 - Reset

Press the F6 key to reset the current line (the line at the cursor position) to the previous values. This key cancels the entries/changes you make on a given line until you advance to the next line.

F7 - Exit

Press the F7 key to exit scrolling screen processing and continue editing the screen with the next field. If the cursor is on a blank line and the scrolling screen includes fields that are required, you must press the F4 key to delete the blank line before you can use the F7 key to exit the screen.

? - Activate help messages

Enter a question mark (?) to display help messages at the bottom of the scrolling screen. These help messages display on the line above the function key definitions and change as you move from field to field (column to column). If you enter a question mark to activate help messages and then enter another question mark, the system displays the following:

Press '?' for More Help, NL to Continue, or 'X' to Turn Off Help Messages

Enter a question mark to display any field level help that has been defined for the field (column). Enter **X** to discontinue displaying the help messages at the bottom of the scrolling screen. Press ENTER to continue to display help messages.

Appendix B - DISTRIBUTION SYSTEM ERROR MESSAGES

INTRODUCTION.....	B-3
-------------------	-----

INTRODUCTION

Distribution and network errors may occur periodically depending on the condition of networking software and hardware, ID parameters, and system activity before and after the initiation of profile transmission. Distribution system-specific errors are as follows:

Conflicts Exist! See Evaluation Report.

This error occurs when the Software Evaluation process discovers a lock, matrix, or customization problem during an ID to ID transfer in background. Review the Software Evaluation Report to determine the nature of the conflict.

Load Process Incomplete

When performing a local transfer or compare, the system verifies the completion time of the load process. When this error occurs, either the load process has been run or a problem has occurred in the transmission process.

Locked ID, Cannot Continue Process

Most inter-machine processes perform a logical and physical lock of the IDs affected by the distribution process. If this error is encountered, start the process over when the IDs become available.

Machine Parameters Not Defined

The system verifies the existence of machine parameters for both the source and destination CPUs.

Not Enough Disk Space for Profile

When performing a profile transmission, the system checks available disk space on the receiving CPU. The system manager must correct the disk space problem before the system allows the profile transmission.

Not Enough Disk Space for Copy

When performing a software copy, the system checks disk space on the source CPU. The system manager must correct the disk space problem before the system allows the software copy.

Profile Copy Incomplete

When performing a profile load, the system verifies the completion time of the software copy process. You must re-start the entire process.

Profile Locked, Cannot Continue Process

Most inter-machine processes perform a logical lock of the profile used in the distribution process.

Profile Receive Not Allowed

This error indicates the Receive Allowed indicator is set to *No* in the Transfer ID Maintenance Parameters.

Profile Xmit Not Allowed

This error indicates the Transmit Allowed indicator is set to *No* in the Transfer ID Maintenance Parameters.

Software Implementation Not Required

When using CST/ESD, the system evaluates the contents of the Products field at each destination CPU. This message displays when the contents of the profile does not belong at any or all of the possible destinations. This is not an actual error.

Software in Destination

This error indicates that the profile load process cannot be performed due to the existence of software in the ID.

Source ID Parms Not Defined

This error indicates the Transfer ID Maintenance Parameters are not defined for the source or destination IDs. An ID cannot participate in Software Distribution unless it is defined as a network source/load ID. Depending on the purpose of the ID, it may not be desirable to use the ID for Software Distribution.

Transfers Disabled, or ID Locked

When attempting a profile transmission, the system checks the Transfers Allowed flag and locks in the destination IDs. This message displays under these conditions.

Appendix C - PROFILES

INTRODUCTION.....	C-3
-------------------	-----

INTRODUCTION

The Build Profile option aids you in the transfer of software from one ID to another. The profile enables you to assign a name and a description to a group of software components. Software component types are defined as follows:

- Programs
- Global Documentation
- Data Dictionary
- Horizontal Screen Libraries
- Horizontal Screens
- Form Libraries
- Forms
- Menu Libraries
- Menus
- Vertical Screens
- Scrolling Screens
- Result Screens
- Globals
- Pre-Processing
- Post-Processing

A profile consists of component names or wildcards that specify in an abbreviated form which programs, screens, forms, menus, etc. are referenced when executing a software transfer. Wildcards may be assigned within a profile for each of the software components that make up all or part of an application.

For example:

Profile	Description
STIL1234	Lab Sign-on Enhancement

Component Type	Component Name	Description
Program	LAB1	L1234
Horz Screen	lah-	L1234

To create a profile access the Build Profile option (refer to Build Profile in “[Chapter 5 - SOFTWARE TRANSFER](#)”). The profile name may be up to fifteen characters in length and should reflect the contents of the profile.

The Build Profile option creates a group profile and individual product profiles for each component associated with the selected item number.

For example:

STIL1234T	Group profile	Includes profile definitions for product profiles
STIL1234TCC	Product profile	Includes Common Clinical components
STIL1234TL	Product profile	Includes Laboratory components

The components for a group profile are updated every time the Build Profile option is accessed and the item number is entered.

Glossary

Archive ID

The ID in which the software backup of the Live ID resides. In a standard environment, this would be ID 3.

Bundle

When an item package is delivered to the ESD Electronic Load ID, the documentation and software are in a global (file or compressed) format. These packages are bundled to allow for faster and easier transmission.

Cross Check

A process that takes place as a part of the transfer and hold processes. The cross check process ensures that complete item packages are transferred or moved. A selected item's software components are compared to the queue. If any of the items are found defined in any other item, the item is marked as intersecting with the original item.

ESD Electronic Load ID

The ID into which ESD delivers item packages in bundled format.

ESD Hold Rel 1 ID

Software unbundles from the ESD Electronic Load ID into this ID, creating the Test ID Queue.

ESD Hold Rel 2 ID

Software unbundles from the ESD Electronic Load ID into this ID, creating the Test/Build ID Queue.

Item

An item refers to what is commonly known as an STI, workorder, TSR, or support call. ESD and Software Control transfer and track software by item number or name. In the case of ESD delivered software, the STI number is used as the item number. In the case of an upgrade tape, individual items are grouped together by product into what is known as a profile. The software merge process moves a product specific profile only if that product is present on site.

Live ID

The hospital production ID (ID 1) where all live patient files are stored. In a standard environment, this would be ID 1.

Merge

Synonymous with upgrade. The merge or upgrade process takes new release software from a load ID (usually ID 4) and puts it first in the Test/Build ID (ID 2). After setup, testing, and training take place, the software is merged into the Live ID (ID 1).

Profile

A logical grouping of individual STIs. A profile can consist of program code as well as data items and tables. The upgrade process utilizes product specific profiles to move the new release from place to place on the client system.

Queue

Stored items (documentation and software) waiting to be transferred to appropriate IDs.

Software Package

A software package consists of the software components and documentation associated with an Item. A software package is not complete without both pieces. ESD utilities do not unbundle or transfer incomplete software packages. In the context of an upgrade, a software package consists of product specific release profiles that are made up of individual STIs.

SQL Tape

The SQL report writer product is released on a separate tape. This tape must be loaded individually, and a series of SQL specific merge tasks must be completed before it is ready to be tested in the Test/Build ID.

Synchronize

This term is used to identify the process by which an existing ID is duplicated to another ID. During the upgrade process, it is necessary to synch ID 2 to ID 5, so that an environment exists for the testing of the prior release software. It is also necessary to synch ID 1 to ID 2 prior to upgrading ID 2, so that a valid testing environment can be created for the new release.

Test/Build ID

The training ID (ID 2 in a standard environment). During the upgrade process, this ID becomes the build ID for the new release software, and ID 5 becomes the test ID for the previous release software.

Test ID

The Test ID is utilized during an upgrade. During an upgrade, the Test ID (ID 5) becomes the training ID.

Unbundling

The process of decompressing the software and documentation packages delivered via ESD.

Upgrade Tape

The upgrade tape consists of a set of product specific profiles (excluding SQL) and their associated documentation.

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