## Revision History

<table>
<thead>
<tr>
<th>Revision</th>
<th>Description</th>
<th>Page</th>
<th>Date</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>USR<em>1</em>38</td>
<td>Updated Notes on User Class and User Role SURROGATE</td>
<td>27</td>
<td>January 2016</td>
<td>April Sessler, Tim Dawson</td>
</tr>
<tr>
<td>Remedy 248385</td>
<td>Page 27</td>
<td>October 2011</td>
<td>C Arceneaux, M McClenahan</td>
<td></td>
</tr>
<tr>
<td>USR<em>1</em>30</td>
<td>New action EDIT COSIGNER</td>
<td>December 2006</td>
<td>C Arceneaux, S Madsen</td>
<td></td>
</tr>
<tr>
<td>USR<em>1</em>27</td>
<td>Patient Record Flags phase II</td>
<td>May 2006</td>
<td>C Arceneaux, A Ebert</td>
<td></td>
</tr>
</tbody>
</table>
Preface

This manual provides descriptions of menus, options, and other information required for Clinical Coordinators, IRM staff, ADPACs, or other managers to effectively set up and use the Authorization/Subscription Utility.

Related Manuals

Text Integration Utility (TIU) Clinical Coordinator & User Manual
Text Integration Utility (TIU) Implementation Guide
Table of Contents

Revision History

SECTION I: INTRODUCTION

CHAPTER 1: INTRODUCTION TO ASU

Purpose of ASU

CHAPTER 2: SOFTWARE AND DOCUMENTATION CONVENTIONS

About This Manual

Web Resources

Package Conventions

Online Help

SECTION II: USING ASU

CHAPTER 3: DEFINING AND MANAGING USER CLASSES

ASU Menu and options

User Class Definition Option

List Membership by User

List Membership by Class

Action Definitions

Example: Assigning Medical Record Technicians and Chief, HIMS to user classes.

CHAPTER 4: ADDING, EDITING, AND MANAGING BUSINESS RULES

Edit Business Rules

Notes on User Class and User Role SURROGATE

Example 3: Entering user classes that require cosignature

Status List

Action List

HELPFUL HINTS

Troubleshooting & Helpful Hints for ASU Business Rules

More Information about ASU and User Class

Relationship between User Class file and Person Class file

Amount of Set-up for User Class & Business Rules

Initial Population of Basic User Classes
Section I: Introduction

Chapter 1: Overview of ASU
  Purpose of ASU
  Background
  Functionality

Chapter 2: Introduction to the ASU User Manual
  Purpose of the manual
  How the manual is organized
  Graphic conventions used in this manual
  Software Conventions
Chapter 1: Introduction to ASU

Purpose of ASU

The Authorization/Subscription Utility (ASU) implements a User Class Hierarchy which is useful for identifying the roles that different users fulfill within the hospital. It also provides tools for creating business rules that apply to documents used by members of such groups. ASU provides a method for identifying who is AUTHORIZED to do something (for example, sign and order). ASU originated in response to the long recognized demand for a means of implementing the “Scope of Practice” model, which was first discussed during the analysis and design of OE/RR v1.96, but the driving force behind its development was the complexity of Text Integration Utilities’ (TIU’s) document definition needs. Current security key capabilities were unable to efficiently manage the needs of clinical documentation (Discharge Summaries, Progress Notes, etc.).
ASU Features & Benefits

- ASU lets you define, populate, and retrieve information about User Classes. These User Classes can be defined hospital-wide or more narrowly for a specific service and can be used across VISTA to replace and/or complement keys.

- ASU lets you link user classes with Document Definitions and document events. This part of ASU defines behavior TIU documents only.

- The User Class Membership file is a relational file which allows a many-to-many relationship to be defined between User Classes and their members (as defined in the New Person File (#200)).

- Membership in classes may be scheduled for automatic transition to other classes (e.g., the PGY1 Residents will rotate on June 30th, and will become PGY2 Residents as of July 1st).

- The Authorization/Subscription file (#8930.1) is another relational table, linking actions or events (e.g., Signature) with Document Definitions (e.g., Clinical Warning Note), record statuses, user classes (e.g., Provider) and user roles (e.g., Author, Expected Signer, Expected Cosigner, etc.). In this manner, a “Knowledge Base” or table of “Production Rules” can be developed in compliance with the site’s local by-laws (or in some cases, national requirements) for handling of various elements of the medical record. This eliminates the need for “hard-coding” business rules within the application, thereby enforcing policies, independent of the local facility’s preferences. These rules are also “inherited” through both the User Class and Document Definition hierarchies.

- ASU imposes no limitation on the depth or specificity of the User Class hierarchy which a site may choose to develop.

- Other applications within VistA may access the User Class file to determine the role of an employee.
Chapter 2: Software and Documentation Conventions

About This Manual

This manual contains a description of the ASU package and all the ASU options. A glossary, index, and appendices are located at the end of this manual and contain added information and guidance for the user. The appendices contain lists of the user classes and business rules exported with TIU/ASU.

Web Resources

Documentation for this product is available on the intranet at the following address: http://www.va.gov/vdl/

This address takes you to the VistA Document Library (VDL) page where you find a listing of all the clinical software manuals. Click on the CPRS: Authorization/Subscription Utility (ASU) link and it will take you to the ASU Document Library page which has the latest revisions of each ASU manual.

Another useful link is to select CPRS: Text Integration Utility (TIU). Since ASU is closely related to TIU the latest TIU manuals may be helpful.

The links given above are outside the VA Firewall and can be accessed from any computer with a WWW hookup. Also useful are the ASU and TIU home pages, with are only accessible from computers equipped with an network browser and connected to the VA intranet. These pages are: http://vista.med.va.gov/asu and http://vista.med.va.gov/tiu

These pages often contain information that is not in the manual as well as information on upcoming enhancements.
Documentation Conventions

<Enter>
This symbol is used throughout the manual in computer screen dialogues to indicate the Enter, RETURN, or ↓ key. Press it after every response you enter or when you wish to bypass a prompt, accept a default (/), or return to a previous action.

Option examples
Menus and examples of computer dialogue that you’ll see on your terminal are shown here in boxes.

Select User Class Management Option: 1 User Class Definition
Select User Class Status: ACTIVE// <Enter> Active ?
Active All User Classes
Inactive
Enter selection(s) by typing the name(s), number(s), or abbreviation(s).
Start With Class: FIRST// <Enter>
Go To Class: LAST// <Enter>

User responses
In computer dialogues, user responses are shown in boldface type.

Select NEW PERSON NAME: GRIN, JON

Icons
Icons used to highlight key points in this manual include:

izados indicates especially important information.

Package Conventions

Defaults (/)
Defaults are responses provided to speed up your entry process. They are either the most common responses, the safest responses, or the previous response. Examples:

Most common: Enter the ending date: NOW//

Safest: Do you wish to delete the entire entry: NO//

Last entered Enter the Provider Name: WELBY, DOCTOR//

To accept the response, press the <Enter> key.
To enter a different response, type in your preferred answer.
Up-arrows (caret or a circumflex)

^   A single up-arrow does several functions in the package depending on where you are and what you are doing.

The up-arrow can terminate a series of questions and return you to a previous level.

^^  Two up-arrows exit you out of the option you’re in and return you to the menu.

Online Help

?, ??, ??  Online help is available if you enter one, two, or three question marks at a prompt. One question mark elicits a brief statement of what information is appropriate for the prompt; two question marks will get you more help, plus the hidden actions shown above; and three question marks will provide more detailed help, including a list of possible answers, if appropriate.

List Manager Screen Display

ASU uses the List Manager utility which allows TIU (and other applications) to display a list of items in a screen format. If the list is longer than one screen, the header and action portion of the screen remain stable, while the center display scrolls. So if there are too many user classes to fit within the scrolling portion of the screen, pressing the return key causes that portion of the screen to scroll up while the top and bottom stay unchanged.

The List Manager utility then lets you:
• browse through the list
- select items that need action
- take action against those items
- select other actions without leaving the option

At the Select Action prompt, type the name or abbreviation of the action you wish (Find, Create a Class, Edit a Class, etc.) or the number of the item in the middle portion of the screen (Class Name), after which you will be prompted to enter the Action.

**Shortcut**: Type the action abbreviation, then the number of the user class on the list (Example: ED=1 will process entry 1 for Edit) or vice versa. Type the item # followed by an equals sign (=) and the Action or its abbreviation (“1=L” will produce a List of members of the ADP Coordinator user class).

**Other (hidden) Actions**

If you enter two question marks (??) at the Select Item(s) prompt, you will see a list of more actions that you can use with ASU.

```
Select Item(s): Quit// ??
The following actions are also available:
+   Next Screen  UP   Up a Line  GO   Go to Page
-   Previous Screen DN   Down a Line  RD   Re Display Screen
FS  First Screen   >   Shift View to Right  PL   Print List
LS  Last Screen    <   Shift View to Left  ADPL Auto Display(On/Off)
Press RETURN to continue or '^' to exit:
```
Section II: Using ASU

Chapter 3: How to Define and Manage User Classes
ASU Menus and options

Chapter 4: How to Add, Edit, and Manage Business Rules
Chapter 3: Defining and Managing User Classes

Authorization/Subscription Utility (ASU) assists IRM staff, Clinical Coordinators, and other managers in defining and populating a User Class Hierarchy which is useful for identifying the roles that different users fulfill within the hospital. It also lets you specify business rules for the handling of documents by members of such groups. This version of ASU defines behavior only for Text Integration Utility (TIU) documents.

A routine for seeding the User Class Membership file (USRPROV) can be started through the option, Initialize Membership of User Classes [USR INITIALIZE MEMBERSHIP]. This option populates the Provider User Class, based on membership in the Provider file. It should be run ONCE when first implementing ASU.

User classes can also be populated through options described here. Class members may be active or inactive. Events such as ordering or signing can be linked with Document/Order type (e.g., Clinical Warning Note) with user classes (e.g., Provider Class).

Infinite hierarchies of subclasses can be created and one level of document type can inherit authorizations from a higher level.

For example, if an entry in the Authorization/Subscription file states that the user class, Physician, may sign Progress Notes, and if Service Chief is a subclass, then Service Chiefs may also sign Progress Notes.
Defining and Managing User Classes contd

Keep it Simple!!
ASU is exported with pre-defined sets of Document Classes and Business Rules, and we offer some simple tools or suggestions for populating the basic User Classes (i.e., PROVIDERS, and MIS personnel) required for the “least restrictive” implementation of TIU. We recommend that you first implement TIU and ASU with these as your baseline rules and classes. As you gain familiarity with the package and begin to recognize areas where more control of access is appropriate, then you can think about defining a necessary and sufficient set of Rules and/or User Classes to handle your site requirements. Your guiding principles should be: “Keep it simple—keep it open” to the extent possible. Don’t impose restrictions on your users until you really have justification to do so. If you burden yourself with complexity too soon, you may pay a premium in unnecessary maintenance overhead and confusion.

Some General Guidelines

• Since user class membership includes members of all subclasses, users should be made members of the most specific class in a hierarchy of classes. For example, if Dr. Jones is a dentist, she should be entered as a member of the Dentist class. Since Dentist is a subclass of the Provider class, Dr. Jones is then automatically a Provider.

• Distribute as much of the workload for identifying group membership as possible. Your facility’s Administrative Officers and Service Chiefs can probably direct you to the people in their departments who are already maintaining personnel rosters (frequently on paper). These are the ideal people to assist you in populating the User Class Membership at your site. Depending on their level of familiarity with VISTA, you may even want to give them access to the USR LIST MEMBERSHIP BY CLASS option, along with appropriate training as to its use.

• Persons wearing several different hats can have concurrent membership in more than one User Class. For example, Mr. Smith might be a dietitian also working toward a nursing degree. He can be entered as a member in two User Classes, once as a Dietitian and once as a Student Nurse.

• It is important to keep user class membership up to date. Active membership in a user class can grant or limit privilege. Business rules always grant privilege. Other package sometime use user classes to limit privilege. For example, TIU Document Parameter USERS REQUIRE COSIGNATURE limits privilege. If, say, user class STUDENT is listed for this parameter and as user’s membership in the STUDENT class expires, the the user no longer requires cosignature when signing notes.
• It is not necessary to populate the user class named USER. The Authorization/Subscription utility considers that every user is a member of this class whether or not they have been set explicitly as a member. This class is used for granting universal privilege via business rules for a given action on a given Document Definition. As always, these rules may be overridden by setting additional rules at lower levels of the Document Definition Hierarchy.

• Any member of a given User Class is automatically considered a member of all superclasses of that class. For example, a user who is set explicitly as a member of user class Physician is automatically a Provider, since Physician is a subclass of Provider. A user considered a Provider is automatically a User, since Provider is a subclass of User.

• Membership in a given User Class automatically includes all member of subclasses of that class. For example, the class Provider automatically includes all Social Worker and Physician members, since they are both subclasses of provider.
Process for creating user classes:

1. Populate basic user classes with the exported user class file

2. Finish implementation of TIU and get acquainted with the package, as well as the needs of your facility

3. Define additional user classes

4. Add members to user classes

5. Modify (add or delete) user classes and their members, as needed

6. Create or edit Business Rules

ASU Menu and options

<table>
<thead>
<tr>
<th>Option</th>
<th>Option Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>User Class Definition</td>
<td>USR CLASS DEFINITION</td>
<td>This option allows review, addition, editing, and removal of User Classes.</td>
</tr>
<tr>
<td>List Membership by User</td>
<td>USR LIST MEMBERSHIP BY USER</td>
<td>This option allows review, addition, editing, and removal of individual members to and from User Classes.</td>
</tr>
<tr>
<td>List Membership by Class</td>
<td>USR LIST MEMBERSHIP BY CLASS</td>
<td>This option allows review, addition, editing, and removal of individual members to and from User Classes.</td>
</tr>
<tr>
<td>Show Class Membership</td>
<td>USR SHOW MEMBERSHIP</td>
<td>This menu option, which contains the two options listed below, can be assigned to users who only need to view membership.</td>
</tr>
<tr>
<td>Show Membership by User</td>
<td>USR SHOW MEMBERSHIP BY USER</td>
<td>This option lists the User Classes that an individual is a members of.</td>
</tr>
<tr>
<td>Show Membership by Class</td>
<td>USR SHOW MEMBERSHIP BY CLASS</td>
<td>This option allows review only of members of selected User Classes.</td>
</tr>
<tr>
<td>Edit Business Rules</td>
<td>USR EDIT BUSINESS RULES</td>
<td>This option allows the user to enter Business Rules authorizing specific users or groups of users to perform specified actions on documents in particular statuses (e.g., an UNSIGNED PROGRESS NOTE may be EDITED by a PROVIDER who is also the EXPECTED SIGNER of the note, etc.).</td>
</tr>
<tr>
<td>Manage Business Rule</td>
<td>USR BUSINESS RULE MANAGEMENT</td>
<td>This option allows you to list the Business rules defined by ASU, and to add, edit, or delete them, as appropriate.</td>
</tr>
</tbody>
</table>
1. **Populate imported user classes**

A basic set of user classes is exported with the ASU package. Use the option *Initialize Membership of User Classes* (on the TIU Conversion Menu) to populate the Provider User Class and the most common sub-classes with your local clinicians. Work with Administrative Officers and Service Chiefs to identify Students and MIS Staff, and set them up as members of the appropriate classes.

2. **Finish implementation of TIU and get acquainted with the package, as well as with the needs of your facility**

We recommend that you first implement TIU and ASU with the exported rules and classes as your baseline rules and classes. As you become more familiar with the package, then you can plan additional Rules and/or User Classes to handle the requirements of your site. Keep it as simple and open as you can. Avoid imposing unnecessary restrictions. ASU can handle an enormous spectrum of conditions and rules, but don’t burden yourself with unnecessary complexity too soon.

3. **Define user classes**

You can add or modify classes, as needed, to meet your site needs. The option *User Class Definition* lets you add and delete classes. Then use the options *List Membership by User* and *List Membership by Class* to add individual members to these user classes.

When you begin to use ASU to develop a higher degree of control, keep the following in mind: Since user class membership includes members of all subclasses, users should be made members of the most specific class in a hierarchy of classes. For example, if Dr. Jones is a dentist, she should be entered as a member of the Dentist class. Since Dentist is a subclass of the Provider class, Dr. Jones is then automatically a Provider. Distribute as much of the workload for identifying group membership as possible. Your facility’s Administrative Officers and Service Chiefs can probably direct you to the people in their departments who are already maintaining personnel rosters (frequently on paper). These are the ideal people to assist you in populating the User Class Membership at your site. Depending on their level of familiarity with VISTA, you may even want to give them access to the USR LIST MEMBERSHIP BY CLASS option, along with appropriate training as to its use.

Persons wearing several different hats can have concurrent membership in more than one User Class. For example, Mr. Smith might be a dietitian also working toward a
nursing degree. He can be entered as a member in two User Classes, once as a Dietitian and once as a Student Nurse.

**User Class Definition Option**

**Steps to Use Option:**

1. Select the option *User Class Definition* from the User Class Management menu.

2. Select the user class status— active, inactive, or both.

3. Select the starting and ending classes you want displayed.

4. The User Classes within the parameters you selected are displayed.

<table>
<thead>
<tr>
<th>Class Name</th>
<th>Abbrev</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. ADP Coordinator</td>
<td>ADPAC</td>
<td>Active</td>
</tr>
<tr>
<td>2. Acting Assistant Director</td>
<td>AAD</td>
<td>Active</td>
</tr>
<tr>
<td>3. Acting Chief</td>
<td>AC</td>
<td>Active</td>
</tr>
<tr>
<td>4. Acting Director</td>
<td>AD</td>
<td>Active</td>
</tr>
<tr>
<td>5. Addiction Medicine</td>
<td>ADDICT</td>
<td>Active</td>
</tr>
<tr>
<td>6. Adolescent Medicine Internist</td>
<td>ADOLMD</td>
<td>Active</td>
</tr>
<tr>
<td>7. Allergist</td>
<td>ALLRG</td>
<td>Active</td>
</tr>
<tr>
<td>8. Anesthesiologist</td>
<td>ANES</td>
<td>Active</td>
</tr>
<tr>
<td>9. Anesthesiologist - Critical Care</td>
<td>ANESCC</td>
<td>Active</td>
</tr>
<tr>
<td>10. Anesthesiologist - Pain Management</td>
<td>ANESP</td>
<td>Active</td>
</tr>
<tr>
<td>11. Assistant Chief</td>
<td>AC</td>
<td>Active</td>
</tr>
</tbody>
</table>

**User Class Definition, cont’d**
5. To see subclasses of the classes shown on this screen, enter a class name at the prompt Start with Class: FIRST//. Then after the screen displays the class name, choose the action Expand/Collapse Tree (EX).

6. The screen expands to show the subclasses.
Actions

**FIND**
Allows users to search list of USER CLASSES, MEMBERS, or BUSINESS RULES for a text string (word or partial word) from current position to the end of the list. Upon reaching the end of the last page of the list, the user will be asked whether to continue the search from the beginning of the list through the origin of the search.

**CREATE A CLASS**
Lets authorized users create new user classes.

**EDIT USER CLASS**
Allows authorized users to edit selected reports online. When electronic signature is enabled, physicians will be prompted for their signatures upon exit, thereby allowing doctors to review, edit and sign as a one-step process.

**EXPAND/COLLAPSE TREE**
Allows you to select a user class and see its subclasses and members. You can collapse an expanded tree to just show the user class name.

**LIST MEMBERS**
Allows you to select a user class and then see all the members of that class.

**CHANGE VIEW**
Allows users to modify the list of reports by signature status, review screen and dictation date range without exiting the review screen.

**QUIT**
Allows user to quit the current menu level.

The following actions are also available:

<table>
<thead>
<tr>
<th>Action</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>+</td>
<td>Next screen</td>
</tr>
<tr>
<td>-</td>
<td>Previous Screen</td>
</tr>
<tr>
<td>FS</td>
<td>First Screen</td>
</tr>
<tr>
<td>LS</td>
<td>Last Screen</td>
</tr>
<tr>
<td>UP</td>
<td>Up a Line</td>
</tr>
<tr>
<td>DN</td>
<td>Down a Line</td>
</tr>
<tr>
<td>RD</td>
<td>Re Display Screen</td>
</tr>
<tr>
<td>&lt;</td>
<td>Shift View to Left</td>
</tr>
<tr>
<td>&gt;</td>
<td>Shift View to Right</td>
</tr>
<tr>
<td>GO</td>
<td>Go to Page</td>
</tr>
<tr>
<td>PL</td>
<td>Print List</td>
</tr>
<tr>
<td>ADPL</td>
<td>Auto Display(On/Off)</td>
</tr>
</tbody>
</table>

7. Select the action Create a Class.

8. Enter a new user class name.

| Select USR CLASS NAME: Clinical Manager |
| Are you adding 'Clinical Manager' as a new USR CLASS (the 569th)? y |
| (Yes) | |
| Rebuilding main class list.................. |
4 Add members to user classes

List Membership by User

In this option, you select a user and the program shows you what classes the user belongs to. You can then review, edit, or remove individual members of user classes, or add new members.

Select User Class Management Option: 2 List Membership by User
Select USER: ?
Answer with NEW PERSON NAME, or INITIAL, or SSN, or NICKNAME, or DEA#, or VA#
Do you want the entire 109-Entry NEW PERSON List? n (No)
Select USER: Russ, Joe E. JER
Searching for the User Classes.


         User Class       Effective   Expires
Joe E. Russ                    1 Class
1 Staff Physician

NOTE: Two new options were created with ASU patch 4, May 1998, to be used for viewing only: Show Membership by User and Show membership by Class.
List Membership by Class

This option shows you all the current members of a User Class. It then allows review, addition, editing, and removal of individual members to and from that Class.

Select User Class Management Option: 3 List Membership by Class
Select CLASS: PHYSICIAN
Searching for the User Classes.

<table>
<thead>
<tr>
<th>Member</th>
<th>Member</th>
<th>Effective</th>
<th>Expires</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>BEN CARVER</td>
<td></td>
<td>06/01/95</td>
</tr>
<tr>
<td>2</td>
<td>Marcie J. Craven</td>
<td>11/02/95</td>
<td>01/01/99</td>
</tr>
<tr>
<td>3</td>
<td>HENRY CUTTER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>DOOGY HOWSER</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>DEBBIE PRICE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Joe E. Russ</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Select Action: Quit//
### Action Definitions

<table>
<thead>
<tr>
<th>Action</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Next Screen</td>
<td>If multiple screens of information are available, this will page to the next screen.</td>
</tr>
<tr>
<td>Previous Screen</td>
<td>If multiple screens of information are available, and you are not on the first screen, this will allow paging back to the previous screens, one at a time.</td>
</tr>
<tr>
<td>First Screen</td>
<td>If multiple screens are available, this will page to the first screen.</td>
</tr>
<tr>
<td>Last Screen</td>
<td>If multiple screens of information are available, this will page to the last screen.</td>
</tr>
<tr>
<td>Search List</td>
<td>Lets you search a list of User Classes for a text string (word or partial word) from current position to the end of the list. Upon reaching the end of the last page of the list, you are asked whether to continue the search from the beginning of the list through the origin of the search.</td>
</tr>
<tr>
<td>Create A Class</td>
<td>Lets authorized users create classes online.</td>
</tr>
<tr>
<td>Edit User Class</td>
<td>Lets authorized users edit selected classes online.</td>
</tr>
<tr>
<td>Expand/Collapse Tree</td>
<td>Lets you see subclasses of a class, or go back to the class level if you're in a subclass.</td>
</tr>
<tr>
<td>Change View</td>
<td>Lets you modify the list of reports by signature status, review screen and dictation date range without exiting the review screen.</td>
</tr>
<tr>
<td>Quit</td>
<td>Lets you quit the current menu level.</td>
</tr>
</tbody>
</table>
Example: Assigning Medical Record Technicians and Chief, HIMS to user classes.

NOTE: These titles may vary from site-to-site. Check to see which titles correspond to MRT and HIMS at your site (e.g., HIMS=MIS).

1. To identify the users who should be allocated to the CHIEF, HIMS and MEDICAL RECORD TECHNICIAN classes, get a list of MRTs and transcriptionists from the HIMS office.

2. Start assigning members to classes through the List Membership by Class option on the User Class Management Menu, as shown in the example below.
Assigning members to User Class, cont’d

Select MEMBER: **DUNCAN,CORRINE K.** DKC 828 MEDICAL RECORD TECHNICIAN
MEMBER: DUNCAN,CORRINE K.// <Enter>
EFFECTIVE DATE: T (JUN 14, 1997)
EXPIRATION DATE: <Enter>
Rebuilding membership list.

3. Continue to add all the MRTs on the list.

4. Change your view to add the Chief of HIMS.

**User Class Members**

<table>
<thead>
<tr>
<th>Member</th>
<th>Effective</th>
<th>Expires</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 JOY C. DENINGER</td>
<td>07/14/97</td>
<td></td>
</tr>
<tr>
<td>2 CARRINE K. DUNCAN</td>
<td>07/14/97</td>
<td></td>
</tr>
<tr>
<td>3 IRMA W. GRIMES</td>
<td>07/14/97</td>
<td></td>
</tr>
<tr>
<td>4 HARIETT A. MEICK</td>
<td>07/14/97</td>
<td></td>
</tr>
<tr>
<td>5 MORTON, CYNTHIA Z.</td>
<td>07/14/97</td>
<td></td>
</tr>
<tr>
<td>7 TAMMY H. POWELSON</td>
<td>07/14/97</td>
<td></td>
</tr>
<tr>
<td>7 &amp; ABIGALE N. QUIGLEY</td>
<td>07/14/97</td>
<td></td>
</tr>
</tbody>
</table>

**ABIGALE N. QUIGLEY Added**

<table>
<thead>
<tr>
<th>Add</th>
<th>Remove</th>
<th>Change View</th>
</tr>
</thead>
<tbody>
<tr>
<td>Edit</td>
<td>Schedule Changes</td>
<td>Quit</td>
</tr>
</tbody>
</table>

Select Action: Quit// CH Change View

**User Class Members**

<table>
<thead>
<tr>
<th>Member</th>
<th>Effective</th>
<th>Expires</th>
</tr>
</thead>
<tbody>
<tr>
<td>No CHIEF, HIMS found</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**User Class Members**

<table>
<thead>
<tr>
<th>Member</th>
<th>Effective</th>
<th>Expires</th>
</tr>
</thead>
<tbody>
<tr>
<td>SANDERS, LORAINE P.</td>
<td>07/14/97</td>
<td></td>
</tr>
</tbody>
</table>

Select MEMBER: SANDERS, LORAINE P. SPL 364 CHIEF MIS
MEMBER: SANDERS, LORAINE P.// <Enter>
EFFECTIVE DATE: T (JUN 14, 1997)
EXPIRATION DATE: <Enter>
Rebuilding membership list.
Chapter 4: Adding, Editing, and Managing Business Rules

Business Rules authorize specific users or groups of users to perform specified actions on documents in particular statuses (e.g., an UNSIGNED PROGRESS NOTE may be EDITED by a PROVIDER who is also the EXPECTED SIGNER of the note, etc.).

A set of Business Rules is exported with ASU. Sites can modify or add to these rules, to meet their own local needs. Examples on the next few pages demonstrate basic use of the two options, Edit Business Rules and Manage Business Rules. The second option is also known as the ASU Rule Browser, as it lets you look at all of the defined rules by several categories: Document, User Class, and User Role. You can then add, edit, or delete rules, if you are authorized.
Edit Business Rules

This option lets you enter or edit Business Rules authorizing specific users or groups of users to perform specified actions on documents in particular statuses (e.g., an unsigned progress note may be edited by a provider who is also the expected signer of the note).

NOTE: Enter two question marks (as shown in the examples) to get help on prompts.

Example 1: Editing a business rule for a cosigner

```
Select User Class Management Option: EDIT Business Rules
Please edit a Business Rule:

Select DOCUMENT: RADIOLOGY
1   RADIOLOGY IMPRESSION COMPONENT
2   RADIOLOGY NOTE DOCUMENT CLASS
3   RADIOLOGY NURSING NOTE TITLE
4   RADIOLOGY REPORT TITLE
5   RADIOLOGY REPORTS CLASS

TYPE '"' TO STOP, OR

CHOOSE 1-5: 2
Are you adding 'RADIOLOGY NOTE' as a new USR AUTHORIZATION/SUBSCRIPTION (the 82ND)? Y (Yes)

DOCUMENT TYPE: RADIOLOGY NOTE// <Enter>

STATUS: ??

Choose from:
AMENDED
COMPLETED
DELETED
INCOMPLETE
LIVE
PURGED
RETIRED
TEST
UNCOSIGNED
UNDICTATED
UNRELEASED
UNSIGNED
UNTRANSCRIBED
UNVERIFIED

STATUS: UNCOSIGNED

ACTION: ??
This is the action to be permitted for a given document type and status.

Choose from:
AMENDMENT
CHANGE TITLE
COPY RECORD
COSIGNATURE
DELETE RECORD
DICTATION
EDIT RECORD
ENTRY
IDENTIFY SIGNERS
MAKE ADDENDUM
PRINT RECORD
```
**Edit Business Rules cont’d**

<table>
<thead>
<tr>
<th>ACTION:</th>
<th>COSIGNATURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>USER CLASS:</td>
<td>STAFF RADIOLOGIST</td>
</tr>
<tr>
<td>AND FLAG:</td>
<td>??</td>
</tr>
</tbody>
</table>

This field allows the ADPAC to indicate whether the conditions specified by User Class and User Role should be logically "AND'ed," or logically "OR'ed," as they will be unless otherwise specified. i.e., if you want to specify that an unsigned discharge summary may be signed by a user, where:

```
User Class = Provider AND User Role = Author,
then you'll want to set this field to AND.
```

Choose from:
- &        AND
- !        OR

**AND FLAG:** & AND

**USER ROLE:** ??

This identifies the role of the user with respect to the document in question (e.g., Author/Dictator, Expected Signer, Expected Cosigner, Attending Physician, etc.).

Choose from:
- ADDITIONAL SIGNER
- ATTENDING PHYSICIAN
- AUTHOR/DICTATOR
- EXPECTED COSIGNER
- EXPECTED SIGNER
- SURROGATE
- TRANSCRIBER

**USER ROLE:** E

1   EXPECTED COSIGNER
2   EXPECTED SIGNER

**CHOOSE 1-2:** 1

**DESCRIPTION:**

1>&<Enter>

You defined the following rule:

```
An UNCOSIGNED RADIOLOGY NOTE may be COSIGNED by A STAFF RADIOLOGIST who is also AN EXPECTED COSIGNER
```

Press RETURN to continue...<Enter>
Notes on User Class and User Role SURROGATE
The User Class SURROGATE is honored by ASU Business Rules. For example, rule An UNSIGNED (CLASS) PROGRESS NOTE may BE SIGNED by a SURROGATE authorizes any member of the SURROGATE User Class to sign an unsigned Progress Note.

However, User Role SURROGATE has never been implemented in ASU and is not honored by rules with one exception.

If user B is designated as a Surrogate for user A and there is a rule authorizing User Role Surrogate to take action on a document and User A is identified as an Additional Signer for that document, then User B may take that action.

For example,
The business rule “A COMPLETED (CLASS) PROGRESS NOTE may BE SIGNED by a SURROGATE ROLE” authorizes User B to sign a COMPLETED Progress Note if User A has been identified as an Additional Signer for that document.

Note: Alerts for additional signers and surrogates of additional signers are sent only after the document has been signed.

Note: A user can designate their own surrogate when processing alerts. As an alternative, an ADPAC may designate a surrogate for a user using option XQALERT SURROGATE SET/REMOVE [XQALERT SURROGATE SET/REMOVE].
Example 2: Creating a rule for who may Copy or Send Back a Clinical Document.

--- User Class Management Menu ---

1 User Class Definition
2 List Membership by User
3 List Membership by Class
4 Edit Business Rules
5 Manage Business Rules
6 Initialize Membership of Provider Class

Select User Class Management Option: Edit Business Rules
Please edit a Business Rule:

Select DOCUMENT DEFINITION: "CLINICAL DOCUMENTS" CLASS
Are you adding 'CLINICAL DOCUMENTS' as a new USR AUTHORIZATION/SUBSCRIPTION (the 50TH)? Y (Yes)
DOCUMENT DEFINITION: CLINICAL DOCUMENTS// <Enter>
STATUS: UNSIGNED
ACTION: COPY RECORD
USER CLASS: <Enter>
AND FLAG: <Enter>
USER ROLE: AUTHOR/DICTATOR
DESCRIPTION:
No existing text
Edit? NO// <Enter>

You defined the following rule:

An UNSIGNED CLINICAL DOCUMENT may be COPIED by AN AUTHOR/DICTATOR

Press RETURN to continue... <Enter>

--- User Class Management Menu ---

1 User Class Definition
2 List Membership by User
3 List Membership by Class
4 Edit Business Rules
5 Manage Business Rules

Select User Class Management Option [SPACE]<Enter> Edit Business Rules
Please edit a Business Rule:

Select DOCUMENT DEFINITION: "CLINICAL DOCUMENTS" CLASS
Are you adding 'CLINICAL DOCUMENTS' as a new USR AUTHORIZATION/SUBSCRIPTION (the 51ST)? Y (Yes)
DOCUMENT DEFINITION: CLINICAL DOCUMENTS// <Enter>
STATUS: COMPLETED
ACTION: COPY RECORD
USER CLASS: USER
AND FLAG: ??

This field allows the ADPAC to indicate whether the conditions specified by User Class and User Role should be logically "AND'ed," or logically "OR'ed," as they will be unless otherwise specified. i.e., if you want to specify that an unsigned discharge summary may be signed by a user, where:

User Class = Provider AND User Role = Author,
then you'll want to set this field to AND.
Choose from:
&     AND
!     OR

AND FLAG: <Enter>
USER ROLE: <Enter>
DESCRIPTION:
No existing text
Edit? NO/ <Enter>
You defined the following rule:

A COMPLETED CLINICAL DOCUMENT may be COPIED by A USER

Press RETURN to continue...<Enter>

--- User Class Management Menu ---

1      User Class Definition
2      List Membership by User
3      List Membership by Class
4      Edit Business Rules
5      Manage Business Rules

You have PENDING ALERTS
Enter "VA     VIEW ALERTS     to review alerts

Select User Class Management Option: Edit Business Rules
Please edit a Business Rule:

Select DOCUMENT DEFINITION: "CLINICAL DOCUMENTS" CLASS
Are you adding 'CLINICAL DOCUMENTS' as
a newUSR AUTHORIZATION/SUBSCRIPTION (the 52ND)? Y (Yes)
DOCUMENT DEFINITION: CLINICAL DOCUMENTS/ <Enter>
STATUS: UNSIGNED
ACTION: SEND BACK
USER CLASS: MIS
  1   MIS FILE CLERK
  2   MIS MEDICAL INFORMATION SECTION
CHOOSE 1-2: 2   MEDICAL INFORMATION SECTION
AND FLAG: <Enter>
USER ROLE: <Enter>
DESCRIPTION:
No existing text
Edit? NO/ <Enter>

You defined the following rule:

An UNSIGNED CLINICAL DOCUMENT may be SENT BACK by A MEDICAL INFORMATION SECTION

Press RETURN to continue...<Enter>

--- User Class Management Menu ---

1      User Class Definition
2      List Membership by User
3      List Membership by Class
4      Edit Business Rules
5      Manage Business Rules

Select User Class Management Option: [SPACE]<Enter> Edit Business Rules
Edit Business Rules cont’d

Please edit a Business Rule:
Select DOCUMENT DEFINITION: "CLINICAL DOCUMENTS" CLASS
Are you adding 'CLINICAL DOCUMENTS' as a newUSR AUTHORIZATION/SUBSCRIPTION (the 53RD)? Y (Yes)
DOCUMENT DEFINITION: CLINICAL DOCUMENTS //<Enter>
STATUS: UNVERIFIED
ACTION: [SPACE]<Enter> SEND BACK
USER CLASS: <SPACE><Enter> MEDICAL INFORMATION SECTION
AND FLAG: <Enter>
USER ROLE: <Enter>
DESCRIPTION:
No existing text
Edit? NO// <Enter>

You defined the following rule:

An UNVERIFIED CLINICAL DOCUMENT may be SENT BACK by A MEDICAL INFORMATION SECTION

Press RETURN to continue... <Enter>

--- User Class Management Menu ---

1 User Class Definition
2 List Membership by User
3 List Membership by Class
4 Edit Business Rules
5 Manage Business Rules

You have PENDING ALERTS
Enter "VA VIEW ALERTS" to review alerts

Select User Class Management Option: <Enter>
Do you really want to halt? YES// <Enter>
Example 3: Entering user classes that require cosignature

If you want to specify user classes who must have co-signatures for specified documents, use the *Document Parameter Edit* on the TIU Parameters Menu on the IRM Maintenance Menu.

<table>
<thead>
<tr>
<th>Select TIU Parameters Menu Option: 3 Document Parameter Edit</th>
</tr>
</thead>
<tbody>
<tr>
<td>First edit Institution-wide parameters:</td>
</tr>
<tr>
<td>Select DOCUMENT: PROGRESS NOTES CLASS</td>
</tr>
<tr>
<td>...OK? Yes// &lt;Enter&gt; (Yes)</td>
</tr>
<tr>
<td>REQUIRE RELEASE: NO// &lt;Enter&gt;</td>
</tr>
<tr>
<td>REQUIRE MAS VERIFICATION: NO// &lt;Enter&gt;</td>
</tr>
<tr>
<td>REQUIRE AUTHOR TO SIGN: YES// &lt;Enter&gt;</td>
</tr>
<tr>
<td>ROUTINE PRINT EVENT(S): &lt;Enter&gt;</td>
</tr>
<tr>
<td>STAT PRINT EVENT(S): &lt;Enter&gt;</td>
</tr>
<tr>
<td>MANUAL PRINT AFT ER ENTRY: YES// &lt;Enter&gt;</td>
</tr>
<tr>
<td>ALLOW CHART PRINT OUTSIDE MAS: YES// &lt;Enter&gt;</td>
</tr>
<tr>
<td>ALLOW &gt;1 RECORDS PER VISIT: YES// &lt;Enter&gt;</td>
</tr>
<tr>
<td>ENABLE IRT INTERFACE:</td>
</tr>
<tr>
<td>If document is to be uploaded, specify Filing Alert Recipients:</td>
</tr>
<tr>
<td>Select FILING ERROR ALERT RECIPIENTS: RUSS, JOE</td>
</tr>
<tr>
<td>Now enter the USER CLASSES for which cosignature will be required:</td>
</tr>
<tr>
<td>Select USERS REQUIRING COSIGNATURE: INTERN// student</td>
</tr>
<tr>
<td>...OK? Yes// &lt;Enter&gt; (Yes)</td>
</tr>
<tr>
<td>USERS REQUIRING COSIGNATURE: STUDENT//&lt;Enter&gt;</td>
</tr>
<tr>
<td>Select USERS REQUIRING COSIGNATURE: &lt;Enter&gt;</td>
</tr>
<tr>
<td>Now enter the DIVISIONAL parameters:</td>
</tr>
<tr>
<td>Select DIVISION: SALT LAKE CITY 660</td>
</tr>
<tr>
<td>Are you adding 'SALT LAKE CITY' as a new DIVISION (the 1ST for this TIU DOCUMENT PARAMETERS)? y</td>
</tr>
<tr>
<td>(Yes)</td>
</tr>
<tr>
<td>CHART COPY PRINTER: PRINTER</td>
</tr>
<tr>
<td>STAT CHART COPY PRINTER: &lt;Enter&gt;</td>
</tr>
<tr>
<td>Select DIVISION: &lt;Enter&gt;</td>
</tr>
<tr>
<td>Press RETURN to continue... ^</td>
</tr>
</tbody>
</table>
Manage Business Rules

This option (also known as the ASU Rule Browser) lets you display all the Business Rules for a given Document, User Class, or User Role. You can then add, edit, or delete them, as appropriate.

NOTE: Enter two question marks (as shown in the examples) to get help on prompts.

Example 1: Adding a new Business Rule

1. In this example we’ll create a new Business Rule: “An unsigned clinical document may be sent back by a Medical Record Technician.”

2. After specifying the search category and document type, all rules for that type are displayed.
Manage Business Rules cont’d

Please Enter a New Business Rule:

Select DOCUMENT DEFINITION: ?

1   CLINICAL DOCUMENTS          CLASS
2   CLINICAL WARNING            TITLE
3   CLINICAL WARNING          DOCUMENT CLASS
4   CRISIS NOTE               TITLE
5   CRISIS NOTE          DOCUMENT CLASS

TYPE '^' TO STOP, OR

CHOOSE 1-5: 1

DOCUMENT DEFINITION: CLINICAL DOCUMENTS//

STATUS: ?
Enter the status of document for which the event is authorized.
Answer with USR RECORD STATUS NAME, or SEQUENCE
Do you want the entire USR RECORD STATUS List? y (Yes)

Choose from:
AMENDED
COMPLETED
DELETED
PURGED
UNCOSIGNED
UNDICTATED
UNRELEASED
UNSIGNED
UNTRANSCRIBED
UNVERIFIED

STATUS: UNSIGNED

ACTION: ??
This is the action to be permitted for a given document type and status.

Choose from:
AMENDMENT
COPY RECORD
COSIGNATURE
DELETE RECORD
DESIGNATE OPTIONAL COSIGNER
DICTATION
EDIT DOCUMENT DEFINITION
EDIT RECORD
ENTRY
INCLUDE IN UNSIGNED LIST
MAKE ADDENDUM
PRINT RECORD
RELEASE FROM TRANSCRIPTION
SEND BACK
SIGNATURE
VERIFICATION
VIEW

ACTION: SEND BACK

USER CLASS: MEDICAL RECORD TECHNICIAN

AND FLAG: ??
This field allows the ADPAC to indicate whether the conditions specified by User Class and User Role should be logically "AND'ed," or logically "OR'ed," as they will be unless otherwise specified. i.e., if you want to specify that an unsigned discharge summary may be signed by a user, where:

User Class = Provider AND User Role = Author,
**Manage Business Rules option cont’d**

then you'll want to set this field to AND.
Choose from:

- & AND
- ! OR

AND FLAG: & AND

USER ROLE: ??
This identifies the role of the user with respect to the document in question (e.g., Author/Dictator, Expected Signer, Expected Cosigner, Attending Physician, etc.).

Choose from:

- ADDITIONAL SIGNER
- ATTENDING PHYSICIAN
- AUTHOR/DICTATOR
- EXPECTED COSIGNER
- EXPECTED SIGNER
- SURROGATE
- TRANSCRIBER

USER ROLE: <Enter>

DESCRIPTION:

1> <Enter>

---

**ASU Rule Browser**

Jan 09, 1997 17:35:52       Page: 1 of 1

List Business Rules by DOCUMENT               2 Rules
for CLINICAL DOCUMENTS

1    An UNTRANSCRIBED CLINICAL DOCUMENT may be ENTERED by A NURSE
2    An UNRELEASED CLINICAL DOCUMENT may be SENT BACK by a MEDICAL
     RECORDS TECHNICIAN

**Item 2 Added**

Find                   Edit Rule       Change View
Add Rule               Delete Rule     Quit
Select Action: Quit//
Example 2: Deleting and Editing Business Rules

In this example, we will be viewing business rules by User Class with Nurse as the User Class.

1. Choose Manage Business Rules from the User Class Management menu. Then select User Class for the search category and nurse for the user class.

   Select User Class Management Option: 5  Manage Business Rules
   Select SEARCH CATEGORY: DOCUMENT// USER CLASS
   Select USER CLASS: NURSE
   1  NURSE
   2  NURSE - STUDENT
   3  NURSE ANESTHETIST
   4  NURSE CLINICAL SPECIALIST
   5  NURSE EPIDEMIOLOGIST
   TYPE '^' TO STOP, OR
   CHOOSE 1-5: 1

2. The current rules for the Nurse User Class are displayed.

   List Business Rules by USER CLASS  2 Rules
   for NURSE
   1  An UNTRANSCRIBED NURSE'S NOTE may be ENTERED by A NURSE OR AN AUTHOR/DICTATOR
   2  An AMENDED NURSE'S NOTE may be EDITED by A NURSE OR AN AUTHOR/DICTATOR

   + Next Screen  - Prev Screen  ?? More Actions
   Find                 Edit Rule               Change View
   Add Rule             Delete Rule             Quit
   Select Action: Quit// D  Delete Rule

3. Select the number of the Business Rule you want to delete.

   Select Business Rule(s): (1-2): 2
   Deleting #2
   Removing the rule:
   An AMENDED NURSE'S NOTE may be EDITED by A NURSE OR AN AUTHOR/DICTATOR
   Are you SURE? NO// <Enter>
   Business Rule NOT Removed.

4. After first deciding to delete the rule, you change your mind and decide to edit it instead. Example dialogue for deleting a rule follows on the next page.
Deleting and Editing Business Rules cont’d

5. Select the action Edit Rule.

6. Select the rule (#2) and then respond to each of the prompts by entering a new rule component or hitting the enter key to accept the current component.

7. The screen is redisplayed with current rules for this User Class.

8. Note that the edited rule isn’t displayed. That’s because the User Class was changed; so you need to Change View to the new User Class, Nursing Supervisor.
Deleting and Editing Business Rules cont’d

9. After you respond to prompts for User Class and enter Nursing Supervisor, the screen is redisplayed with current rules for this User Class.

| Select SEARCH CATEGORY: DOCUMENT// USER CLASS |
| Select USER CLASS: NURSING SUPERVISOR |
| ASU Rule Browser | Jan 14, 1997 14:16:20       Page: 1 of 1 |
| List Business Rules by USER CLASS 1 Rule for NURSING SUPERVISOR |
| 1. An AMENDED NURSE'S NOTE may be EDITED by A NURSING SUPERVISOR OR An AUTHOR/DICTATOR |

NOTE: Your site might redefine the User Classes so that Nursing Supervisor is under the User Class Nurse. In this case, steps 8 and 9 in the above example wouldn’t be necessary.
Status List

**NOTE:** This list of statuses may be added to as additional document types are incorporated.

**NOTE:** Internal File Entry Numbers (IEN) in the USR Status File (#8930.6) are standardized and *must* not be changed.

<table>
<thead>
<tr>
<th>Status</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amended</td>
<td>The document has been completed and a privacy act issue has required its amendment.</td>
</tr>
<tr>
<td>Completed</td>
<td>The document has acquired all necessary signatures and is legally authenticated.</td>
</tr>
<tr>
<td>Deleted</td>
<td>The document has been deleted but the audit trail is retained.</td>
</tr>
<tr>
<td>Retracted</td>
<td>Used instead of Deleted after the document has been signed. If an error is discovered after signature, then the document is made invisible for most users, but retained as part of the audit trail.</td>
</tr>
<tr>
<td>Uncosigned</td>
<td>The document is complete, with the exception of cosignature by the attending physician.</td>
</tr>
<tr>
<td>Undicatated</td>
<td>The document is required and a record has been created in anticipation of dictation and transcription.</td>
</tr>
<tr>
<td>Unreleased</td>
<td>The document is in the process of being entered into the system, but hasn't been released by the originator (i.e., the person who entered the text online). See the TUI Document Parameters.</td>
</tr>
<tr>
<td>Unsigned</td>
<td>The document is online in a draft state, but the author's signature hasn't yet been obtained.</td>
</tr>
<tr>
<td>Untranscribed</td>
<td>This status is used for business rules permitting entry of non-existing documents into the file.</td>
</tr>
<tr>
<td>Unverified</td>
<td>The document has been released or uploaded, but an intervening verification step must be completed before the document is available for signature. See the TUI Document and Upload Parameters.</td>
</tr>
</tbody>
</table>
Action List

**NOTE:** This list of actions may be added to as additional document types and/or statuses are incorporated.

**NOTE:** File entry numbers in the USR ACTION file (#8930.8) are standard and must not be changed.

<table>
<thead>
<tr>
<th>File IEN</th>
<th>Action</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>AMENDMENT</td>
<td>Involves the Privacy Act Amendment of a document by authorized individuals after electronic Signature. (Note that the old unamended document is kept in a retracted status.)</td>
</tr>
<tr>
<td>25</td>
<td>ATTACH ID ENTRY</td>
<td>Rule applies to interdisciplinary PARENT notes and permits notes of this title to have child notes attached.</td>
</tr>
<tr>
<td>24</td>
<td>ATTACH TO ID NOTE</td>
<td>Rule applies to individual ID CHILD entries and permits notes of this title to be attached (to a parent note).</td>
</tr>
<tr>
<td>22</td>
<td>CHANGE TITLE</td>
<td>The title may be changed during the life of the document. This most often happens when the medical center is reorganizing their title structure.</td>
</tr>
<tr>
<td>16</td>
<td>COPY RECORD</td>
<td>Allows an authorized user to copy a document from one patient or encounter to another.</td>
</tr>
<tr>
<td>5</td>
<td>COSIGNATURE</td>
<td>This action occurs when a second-line signature is obtained for a document.</td>
</tr>
<tr>
<td>15</td>
<td>DELETE RECORD</td>
<td>The document is deleted. This only applies to unsigned documents. If the document has been signed, it is retracted and remains in the file as part of the audit trail.</td>
</tr>
<tr>
<td>9</td>
<td>EDIT RECORD</td>
<td>Users authorized to perform this action may edit the text of the document. The text of completed documents may not be edited. Edit attempts result in scrambled electronic signature blocks.</td>
</tr>
<tr>
<td>27</td>
<td>EDIT COSIGNER</td>
<td>Permits editing the Expected Cosigner of UNCOSIGNED and UNSIGNED documents using a new TIU VISTA List Manager action which does not include access to the text body.</td>
</tr>
<tr>
<td>2</td>
<td>ENTRY</td>
<td>Used to permit the creation of new documents in the TIU Document File (#8925).</td>
</tr>
<tr>
<td>File IEN</td>
<td>Action</td>
<td>Comments</td>
</tr>
<tr>
<td>---------</td>
<td>----------------------</td>
<td>------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>20</td>
<td>IDENTIFY SIGNERS</td>
<td>This action allows the identification of users whose signature is expected, but <em>not required</em>. This action causes VistA to send an alert to the selected provider(s). The recipient of the alert for an additional signature may add an addendum or sign the document, but may not generally edit the document itself. The signature in this case does not complete the document, but simply indicates that the document has been seen.</td>
</tr>
<tr>
<td>26</td>
<td>LINK TO FLAG</td>
<td>Users authorized to create NEW PRF documents are automatically authorized (in fact, REQUIRED) to link the new documents when creating them. Explicit authorization for (re)-linking a PRF document to a flag is required only for documents which already exist. Such documents may have been created before PRF Phase II introduced links and have NO links, or they may require re-linking to the correct Assignment History Action for the correct patient and flag assignment.</td>
</tr>
<tr>
<td>23</td>
<td>LINK WITH REQUEST</td>
<td>Involves the linking (or re-linking) of a result with a request in another application (e.g., a PULMONARY CONSULT with its corresponding request).</td>
</tr>
<tr>
<td>19</td>
<td>MAKE ADDENDUM</td>
<td>Addenda may be added to documents for the purposes of clarification or augmenting. Addenda may be thought of as extensions of their parent documents, and inherit their properties from them (i.e., an addendum to a discharge summary is treated like a discharge summary, while an addendum to a progress note is treated like a progress note, etc.).</td>
</tr>
<tr>
<td>14</td>
<td>PRINT RECORD</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>REASSIGN</td>
<td>Reassignment of records involves the correction of Patient, Visit, or Signatory information, and may typically be accomplished by the author or MIS prior to signature, or by the CHIEF, MIS following signature. (Note that the old unchanged document is kept in a retracted status.)</td>
</tr>
<tr>
<td>File IEN</td>
<td>Action</td>
<td>Comments</td>
</tr>
<tr>
<td>---------</td>
<td>--------------------------------</td>
<td>---------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>8</td>
<td>RELEASE FROM TRANSCRIPTION</td>
<td>The transcriptionist is satisfied with the transcription and releases the document for signature. See the TIU Document Parameters.</td>
</tr>
<tr>
<td>17</td>
<td>SEND BACK</td>
<td>Involves sending back a document to transcription for correction (and possibly redictation). It removes documents which require release from view, except by the originator or a transcriptionist.</td>
</tr>
<tr>
<td>4</td>
<td>SIGNATURE</td>
<td>This applies to a first-time signature or and additional signature depending on the document status</td>
</tr>
<tr>
<td>3</td>
<td>VERIFICATION</td>
<td>See TIU Document and Upload Parameters.</td>
</tr>
<tr>
<td>7</td>
<td>VIEW</td>
<td>This action permits users to view the text of the document.</td>
</tr>
</tbody>
</table>
Helpful Hints

Shortcut

Type the action abbreviation, then the number of the user class on the list (Example: ED=1 will process entry 1 for Edit) or vice versa. Type the item # followed by an equals sign (=) and the Action or its abbreviation ("1=L" will produce a List of members of the ADP Coordinator user class).

Troubleshooting & Helpful Hints for ASU Business Rules

1. If a particular person should be able to do something governed by a particular Business Rule, but can’t, check the following:

   • Make sure he/she is in the referenced User Class.
   
   • Check the business rule for the proper status.
   
   • Check that the document to be acted on is the one referenced by the rule or is a descendant of the document referenced by the rule. If the rule involves a User Role, make sure the person actually plays that role for the document.
   
   • Check to see if the rule has been overridden. If the same rule (same action and same status) is defined for a lower-level document, the lower level rule overrides the rule at the higher level. For example, suppose you are checking the rule, “An UNDICATATED PROGRESS NOTE can be ENTERED by a PROVIDER.” You wonder why Dr. Jones, a Provider, can’t enter a Nurse Practitioner Note, which is a descendant of Progress Notes. If there is a rule, “An UNDICTATED NURSE PRACTITIONER NOTE can be ENTERED by a NURSE PRACTITIONER,” then the rule you are checking has been overridden for Undictated Nurse Practitioner Notes. Any User Classes who can enter Nurse Practitioner Notes must have their own explicit Business Rule at the Nurse Practitioner Note level. The easiest way to check for overriding rules is to do a FileMan print by the same Action and the same Status.

1. If a particular person should NOT be able to do something, but CAN, check the following:

   • That the person doesn’t have inappropriate menus.
   
   • That he/she is not a member of inappropriate User Classes.
• That the document involved is in the correct place in the document definition hierarchy.

• Check any business rules for the given action, status, user role, and document or ancestors of the document.

• Check to see if they have somehow been given an inappropriate role in relation to the document. For example, the person might mistakenly have been made the author when he/she isn’t the author.

Q: When I edited a rule, the edited rule wasn’t displayed, even though it said “Rule #2 edited” in the black bar.

A: In changing the rule, you may have changed the User Class. Look at the top of the screen to see if you are in a different User Class than the one you started with. If so, you need to Change View to the new User Class.
More Information about ASU and User Class

Relationship between User Class file and Person Class file

Although there are a number of superficial similarities between the User Class File (#8930) and Kernel’s Person Class File (#8932.1), the files are structurally dissimilar, designed to serve completely different applications. In fact, the roles of the two files are analogous to those of the LABORATORY TEST File (#60) and the WKLD CODE File (#64).

The User Class File provides for the definition of a hierarchy of User Classes, flexible enough to describe the organizational structure of the local facility. To that end, it is designed to be both general and extensible, much in the same way that file 60 can be viewed as a “model” of the local laboratory’s “catalogue” of tests and panels.

The Person Class File, in contrast, is designed to accommodate the HCFA National Provider System Taxonomy of Professionals/Occupations, which is an emerging industry standard for identifying the Occupations, Specialties, and Subspecialties to which Health Care Providers belong. This file is standardized across VHA, and cannot be extended to accommodate differences in local organizational structure. It is very useful, however, for inter-facility data transfer, where enterprise-wide consistency is the name of the game. The same role is fulfilled, in the case of laboratory tests, by file 64. This combination of locally extensible files which help to model the differences between facilities, mapped to national “nomenclature” files which help to impose a standard reference frame, has proven to be most useful on many occasions throughout VISTA.

Other Differences between User Class and Person Class

- User Class is general, allowing for identification of an array of non-Providers whose access to clinical applications must be accommodated and controlled (e.g., transcribers, file clerks, ward clerks, unit secretaries, hospital directors, etc.). The HCFA Taxonomy (and therefore the Person Class file) currently offers a very restricted subset of the administrative or clerical occupations required by the applications which ASU is designed to serve.

- User Class may be dynamically extended or revised to accommodate a wide variety of common organizational changes (e.g., product line reorganizations, site consolidations, etc.), with their attendant local variations.
**Differences between User Class and Person Class cont’d**

- The User Class file accommodates a true “object-class” hierarchy, which allows the definition of a set of locally controlled business rules, conferring privileges which may be defined for any level in the hierarchy, and “inherited” by members of all subordinate classes. For example, one such rule states that a User may view a completed Clinical Document, where User is the “root class” of the User Class Hierarchy, and Clinical Document is the root class of TIU’s Document Definition hierarchy.

**Amount of Set-up for User Class & Business Rules**

**Initial Population of Basic User Classes**
In the initial implementation of TIU and ASU, it is **NOT** necessary to populate all of the exported user classes, or to allocate every VISTA user membership in any of the exported classes. Any users who are not allocated to a specific class will be treated as members of the root class USER. An option is provided to “seed” the PROVIDER class based on ownership of the PROVIDER Security Key.

**NOTE:** If your site has allocated the PROVIDER key to non-Providers in order to accommodate the requirements of the Ambulatory Care Data Capture package, we suggest that you review the holders of the key and de-allocate it from such users as necessary.

In the set-up section of this Guide, we illustrate how you might allocate members to the Medical Records Technician, Chief, MIS, and Transcriptionist classes. These are the only user classes whose membership must be allocated for basic implementation of TIU.

**Creation of Business Rules**
TIU and ASU are exported with a very general set of business rules, which should be sufficient for initial implementation. As stated earlier in this Guide, we recommend that you **keep the User Class file, TIU Document Definition Hierarchy, and Business Rule base as simple as possible** in your initial implementation. Once you have grown acquainted with the basic operation of these two complex packages, you might then begin to explore the more advanced levels of control that are possible in accordance with your site’s HIM by-laws and concerns for the trade-off between access and confidentiality. Instructions for creating Business Rules are also provided earlier in this Guide.
# Glossary

<table>
<thead>
<tr>
<th>Term</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action</td>
<td>A functional process that a clinician or clerk uses in the ASU computer program; for example, “Edit.” An action is also called a protocol.</td>
</tr>
<tr>
<td>Authorization</td>
<td>Who is AUTHORIZED to do something (for example, sign and order).</td>
</tr>
<tr>
<td>Business Rules</td>
<td>Business Rules authorize specific users or groups of users to perform specified actions on documents in particular statuses.</td>
</tr>
<tr>
<td>Clinician</td>
<td>A doctor or other provider in the medical center who is authorized to provide patient care.</td>
</tr>
<tr>
<td>Discharge Summary</td>
<td>A formal synopsis of a patient’s medical care during a single hospitalization, including tests procedures, and conclusions. A discharge summary is prepared for all discharges and transfers from a VA medical center or domiciliary or from nursing home care. The automated Discharge Summary module of TIU provides an efficient and immediate mechanism for clinicians to capture transcribed patient discharge summaries online, where they’re available for review, signing, adding addendum.</td>
</tr>
<tr>
<td>Document Class</td>
<td>Classes group documents. For example, “Progress Notes” is a class with many kinds of progress notes under it. Classes may themselves be subdivided into further Classes and/or Document Classes. Besides grouping documents, Classes also store behavior which is then inherited by lower level entries.</td>
</tr>
<tr>
<td>Document Definition</td>
<td>Document Definition provides the building blocks for TIU, by organizing the elements of documents in a hierarchy structure. This structure allows documents (Titles) to inherit characteristics (such as signature requirements and print characteristics) of the higher levels, Class and Document Class.</td>
</tr>
</tbody>
</table>
**Progress Notes**
The Progress Notes module of TIU is used by health care givers to enter and sign online patient progress notes and by transcriptionists to enter notes to be signed by caregivers at a later date. Caregivers may review progress notes online or print progress notes in chart format for filing in the patient’s record.

**Subscription**
A group of persons who *subscribe* to receive something; for example, an Attending physician receives a resident’s unsigned Discharge Summary on his/her list of Unsigned Discharge Summaries. (Subscription is not included in this version of ASU)

**TIU**
Text Integration Utilities, a *VISTA* document management application.

**User Class**
User Classes and sub-classes (e.g., Provider, physician, transcriptionist, Medical Record Technician, MIS Manager, Medical Student, Nurse, Resident, etc.) are defined in the User Class File (8930), which is the principal foundation for ASU. Responsibilities and privileges (for signing, cosigning, editing, etc.) are defined through this file.
Appendices

A. Exported User Classes

B. Exported Business Rules
<table>
<thead>
<tr>
<th>User Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACTING ASSISTANT CHIEF</td>
</tr>
<tr>
<td>ACTING CHIEF</td>
</tr>
<tr>
<td>ADDICTION MEDICINE</td>
</tr>
<tr>
<td>ADJUDICATION OFFICER</td>
</tr>
<tr>
<td>ALLERGIST</td>
</tr>
<tr>
<td>ALLERGY &amp; IMMUNOLOGY</td>
</tr>
<tr>
<td>ALLERGY &amp; IMMUNOLOGY: CLINICAL &amp; LABORATORY</td>
</tr>
<tr>
<td>ANCILLARY TESTING</td>
</tr>
<tr>
<td>ANESTHESIOLOGIST</td>
</tr>
<tr>
<td>ANESTHESIOLOGIST - CRITICAL CARE</td>
</tr>
<tr>
<td>ANESTHESIOLOGIST - PAIN MANAGEMENT</td>
</tr>
<tr>
<td>ASSISTANT CHIEF</td>
</tr>
<tr>
<td>ASSISTANT CHIEF OF STAFF</td>
</tr>
<tr>
<td>ASSOCIATE CHIEF OF STAFF</td>
</tr>
<tr>
<td>ATTENDING PHYSICIAN</td>
</tr>
<tr>
<td>AUDIOLOGIST</td>
</tr>
<tr>
<td>AUDIOVISUAL SPECIALIST</td>
</tr>
<tr>
<td>BODY IMAGING</td>
</tr>
<tr>
<td>CARDIOLOGIST</td>
</tr>
<tr>
<td>CAST TECHNICIAN</td>
</tr>
<tr>
<td>CHAPLAIN</td>
</tr>
<tr>
<td>CHIEF</td>
</tr>
<tr>
<td>CHIEF RESIDENT</td>
</tr>
<tr>
<td>CHIEF TECHNOLOGIST</td>
</tr>
<tr>
<td>CHIEF, ANESTHESIOLOGY SERVICE</td>
</tr>
<tr>
<td>CHIEF, MEDICAL SERVICE</td>
</tr>
<tr>
<td>CHIEF, MIS</td>
</tr>
<tr>
<td>CHIEF, PSYCHIATRY SERVICE</td>
</tr>
<tr>
<td>CHIEF, RESEARCH SERVICE</td>
</tr>
<tr>
<td>CHIEF, SURGICAL SERVICE</td>
</tr>
<tr>
<td>CLINICAL CLERK</td>
</tr>
<tr>
<td>CLINICAL COORDINATOR</td>
</tr>
<tr>
<td>CLINICAL DIETITIAN</td>
</tr>
<tr>
<td>CLINICAL INTERN</td>
</tr>
<tr>
<td>CLINICAL PHARMACIST</td>
</tr>
<tr>
<td>CLINICAL SERVICE CHIEF</td>
</tr>
<tr>
<td>CLINICAL SPECIALIST</td>
</tr>
<tr>
<td>CONSULT/LIAISON</td>
</tr>
<tr>
<td>CONSULTANT</td>
</tr>
<tr>
<td>COORDINATOR, OPERATING ROOM</td>
</tr>
<tr>
<td>COORDINATOR, QM/MIS</td>
</tr>
<tr>
<td>COUNSELOR</td>
</tr>
<tr>
<td>CYTOTECHNOLOGIST</td>
</tr>
<tr>
<td>DENTAL ASSISTANT</td>
</tr>
<tr>
<td>DENTAL INTERN</td>
</tr>
<tr>
<td>DENTAL RESIDENT</td>
</tr>
<tr>
<td>DENTIST</td>
</tr>
<tr>
<td>DERMATOLOGIST</td>
</tr>
</tbody>
</table>
Exported User Classes cont’d

DERMATOLOGIST: CLINICAL & LABORATORY
DERMATOLOGY FELLOW
DERMATOPATHOLOGIST
DIABETES STUDY NURSE
DIALYSIS TECHNICIAN
DIETETIC INTERN
DIETETIC TECHNICIAN STUDENT
DIETITIAN
DIETITIAN CLINICAL SPECIALIST
DISTINGUISHED PHYSICIAN
DRG COORDINATOR
ECHO TECHNICIAN
EDUCATION STAFF SPECIALIST
ELECTRON MICROSCOPIST
EMERGENCY MEDICINE PHYSICIAN
EMERGENCY SPORTS MEDICINE
EMG TECHNICIAN
ENDOCRINOLOGIST
EPIDEMIOLOGIST
EXERCISE PHYSIOLOGIST
FAMILY GERIATRICIAN
FAMILY PRACTICE PHYSICIAN
FAMILY SPORTS MEDICINE
FEE BASIS NURSE
FELLOW
GENERAL PRACTICE PHYSICIAN
GENERIC SCREENING NURSE
GERIATRICS, GENERAL PRACTITIONER
GRADUATE NURSE TECHNICIAN
GYNECOLOGIST
HEAD NURSE
HEALTH CARE TECHNICIANS
HEMATOLOGY & ONCOLOGY
HEMODIALYSIS TECHNICIAN
HISTOPATHOLOGY TECHNICIAN
HISTOTECHNOLOGIST
HIV/AIDS COORDINATOR
HOME CARE CLINICAL COORDINATOR
HOSPITAL EPIDEMIOLOGIST
HYGIENIST
IMAGE ASSISTANT
INDUSTRIAL HYGIENIST
INFECTION CONTROL NURSE
INFECTIONOUS DISEASE FELLOW
INPATIENT PSYCHOLOGIST
INTERN
INTERN PHYSICIAN
INTERN: ALLOPATHIC
**Exported User Classes cont’d**

INTERN: OSTEOPATHIC  
IV PHARMACIST  
IV TECHNICIAN  
JUNIOR ASSISTANT RESIDENT  
JUNIOR RESIDENT  
KINESIOTHERAPIST  
LABORATORY PATHOLOGIST  
LABORATORY PROGRAM ASSISTANT  
LABORATORY TECHNICIAN  
LEAD PHARMACIST  
MEDICAL CLERK  
MEDICAL CLERK SUPERVISOR  
MEDICAL DATA CLERK  
MEDICAL INFORMATION SECTION  
MEDICAL INTERN  
MEDICAL PROGRAM ASSISTANT  
MEDICAL RECORD SUPERVISOR  
MEDICAL RECORDS TECHNICIAN  
MEDICAL STUDENT  
MEDICAL STUDENT III  
MEDICAL STUDENT IV  
MEDICAL TECHNICIAN  
MEDICAL TECHNOLOGIST  
MEDICAL TECHNOLOGY STUDENT  
MEDICAL TOXICOLOGIST  
MIS FILE CLERK  
NARCOTIC TECHNICIAN  
NEUROLOGY PROGRAM CLERK  
NEUROLOGY RESIDENT  
NEUROLOGY TECHNICIAN  
NUCLEAR CARDIOLOGY  
NUCLEAR CARDIOLOGY DIRECTOR  
NUCLEAR MEDICINE TECHNICIAN  
NURSE  
NURSE - STUDENT  
NURSE ANESTHETIST  
NURSE CLINICAL SPECIALIST  
NURSE EPIDEMIOLOGIST  
NURSE LICENSED PRACTICAL  
NURSE PRACTITIONER  
NURSING ASSISTANT  
NURSING CLERK TYPIST  
NURSING CONTINUING CARE  
NURSING SUPERVISOR  
NUTRITION CLINIC DIETITIAN  
NUTRITION SUPPORT NURSE  
OCCUPATIONAL THERAPIST  
OCCUPATIONAL THERAPY ASSISTANT  
OCCUPATIONAL THERAPY STUDENT
Exported User Classes cont’d

OCCURRENCE SCREENING
ONCOLOGY NURSE
OPC SCHEDULING SUPERVISOR
OPERATING ROOM COORDINATOR
OPERATING ROOM TECHNICIAN
OPHTHALMOLOGIST
OPTOMETRIST
ORAL SURGERY RESIDENT
ORTHOTIST/PROSTHETIST
OTOLARYNGOLOGY
OUTPATIENT CLINIC
OUTPATIENT CLINIC SUPERVISOR
OUTPATIENT PSYCHOLOGIST
OUTPATIENT RX SUPERVISOR
OUTPATIENT TECHNICIAN
PATHOLOGIST
PATHOLOGY RESIDENT
PEDIATRIC EMERGENCY PHYSICIAN
PHARMACIST
PHARMACY COORDINATOR
PHARMACY MEDICAL CLERK
PHARMACY STUDENT
PHARMACY SUPERVISOR
PHARMACY TECHNICIAN
PHARMACY TRAINEE
PHLEBOTOMIST
PHYSICAL THERAPIST
PHYSICAL THERAPY AID
PHYSICIAN
PHYSICIAN ASSISTANT
PHYSICIST
PODIATRIST
POST GRADUATE YEAR 1 RESIDENT
POST GRADUATE YEAR 2 RESIDENT
POST GRADUATE YEAR 3 RESIDENT
POST GRADUATE YEAR 4 RESIDENT
PRIVACY ACT OFFICER
PROCTOLOGIST
PROSTHETIC REPRESENTATIVE TRAINEE
PROSTHETICS
PROSTHETICS CLERK
PROSTHETICS REPRESENTATIVE
PROVIDER
PSYCHIATRIC RESEARCH ASSISTANT
PSYCHIATRIST
PSYCHIATRY CLERK
PSYCHIATRY PROGRAM ASSISTANT
PSYCHIATRY RESIDENT
PSYCHOLOGY CLINICAL ASSOCIATE
Exported User Classes cont’d

PSYCHOLOGY INTERN
PSYCHOLOGY PROGRAM CLERK
PSYCHOLOGY REHABILITATION TECHNICIAN
PSYCHOLOGY RESEARCH
PSYCHOLOGY VOCATIONAL REHAB SPEC
PULMONARY CHIEF
PULMONARY CLINICAL SPECIALIST
PULMONARY FELLOW
PULMONARY FUNCTION TECH
PULMONARY LAB SUPERVISOR
PULMONARY STAFF CHIEF OF STAFF
PULMONARY TECHNICIAN
RADIATION DIAGNOSTIC TECHNOLOGIST
RADIATION ONCOLOGIST
RADIATION THERAPY TECHNOLOGIST
RADIOGRAPHER
RADIOLOGIST
RADIOLOGY DIAGNOSTIC TECH
RADIOLOGY FILE ROOM SUPERVISOR
RADIOLOGY RESIDENT
RADIOLOGY TECHNICIAN
RADIOLOGY TRANSCRIPTIONIST
RECREATION THERAPIST
RECREATIONAL THERAPY ASSISTANT
REMOTE USER
RENAL FELLOW
RESEARCH NURSE
RESEARCH TECHNICIAN
RESEARCH TECHNOLOGIST
RESIDENT PHYSICIAN
RESPIRATORY THERAPIST
SECTION CHIEF
SENIOR ASSISTANT RESIDENT
SENIOR RESIDENT
SOCIAL WORK ASSOCIATE
SOCIAL WORK INTERN
SOCIAL WORK SECRETARY
SOCIAL WORKER
SOCIAL WORKER SUPERVISOR
SOLUTIONS TECHNICIAN
SPECIAL PROCEDURES
SPEECH PATHOLOGIST
SPEECH PATHOLOGY SECTION CHIEF
STAFF DENTIST
STAFF INTERNIST
STAFF NURSE
STAFF PATHOLOGIST
STAFF PHARMACIST
Exported User Classes cont’d

STAFF PHYSICIAN
STAFF PSYCHIATRIST
STAFF PSYCHOLOGIST
STAFF RADIOLOGIST
STAFF SOCIAL WORKER
STAFF SURGEON
STUDENT
STUDENT RADIOGRAPHER
SUB-INTERN
SUPERVISOR
SUPERVISOR, BLOOD BANK
SUPERVISOR, C&P UNIT
SUPERVISOR, EVENING LABS
SUPERVISOR, HEMATOLOGY LAB
SUPERVISOR, IMMUNOLOGY LAB
SUPERVISOR, MICROBIOLOGY LAB
SUPERVISOR, MIS
SUPERVISOR, PULMONARY FUNCTION LAB
SUPERVISOR, SPECIAL CHEM LAB
SUPERVISOR, STAT CHEM LAB
SUPERVISORY BIOCHEMIST
SUPERVISORY IMMUNOLOGIST
SUPERVISORY MICROBIOLOGIST
SUPERVISORY PHARMACIST
TRANSCRIPTIONIST
TUMOR REGISTRAR
UNIT COORDINATOR
UNIT NURSE
UNIT TEACHER
USER
VASCULAR NURSE
VETERINARIAN MEDICAL OFFICER
VOCATIONAL REHABILITATION SPECIALIST
Appendix B: Exported Business Rules

1. An UNTRANSCRIBED (CLASS) CLINICAL DOCUMENT may be ENTERED by a USER.
2. An UNRELEASED (CLASS) CLINICAL DOCUMENT may be RELEASED by a TRANSCRIBER.
3. An UNSIGNED (CLASS) CLINICAL DOCUMENT may be EDITED by an AUTHOR/DICTATOR.
4. An UNSIGNED (CLASS) CLINICAL DOCUMENT may be SIGNED by an EXPECTED SIGNER.
5. An UNSIGNED (CLASS) CLINICAL DOCUMENT may be SIGNED by a PROVIDER who is also an EXPECTED COSIGNER.
6. A COMPLETED (CLASS) CLINICAL DOCUMENT may be VIEWED by a USER.
7. An UNRELEASED (CLASS) CLINICAL DOCUMENT may be EDITED by a TRANSCRIPTIONIST.
8. An UNRELEASED (CLASS) CLINICAL DOCUMENT may be EDITED by a TRANSCRIBER.
9. An UNRELEASED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
10. A COMPLETED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
11. A COMPLETED (CLASS) CLINICAL DOCUMENT may be PRINTED by a USER.
12. A COMPLETED (CLASS) CLINICAL DOCUMENT may be COPY by an AUTHOR/DICTATOR.
13. A COMPLETED (CLASS) CLINICAL DOCUMENT may be COPY by a USER.
14. A DELETED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
15. An AMENDED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
16. An AMENDED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
17. A COMPLETED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
18. An AMENDED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
19. A COMPLETED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
20. A COMPLETED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
21. A COMPLETED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
22. A COMPLETED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
23. A COMPLETED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
24. A COMPLETED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
25. A COMPLETED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
26. A COMPLETED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
27. A COMPLETED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
28. A COMPLETED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
29. A COMPLETED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
30. A COMPLETED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
31. A COMPLETED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
32. A COMPLETED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
33. A COMPLETED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
34. A COMPLETED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
35. A COMPLETED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
36. A COMPLETED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
37. A COMPLETED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
38. A COMPLETED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
39. A COMPLETED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
40. A COMPLETED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
41. A COMPLETED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
42. A COMPLETED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
43. A COMPLETED (CLASS) CLINICAL DOCUMENT may be DELETED by a CHIEF, MIS.
### Exported Business Rules, cont’d

<table>
<thead>
<tr>
<th>Rule</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>44</td>
<td>A PURGED (CLASS) CLINICAL DOCUMENT may be VIEWED by A USER</td>
</tr>
<tr>
<td>45</td>
<td>An UNTRANSCRIBED (CLASS) CLINICAL DOCUMENT may be VIEWED by A CHIEF, MIS</td>
</tr>
<tr>
<td>46</td>
<td>An UNRELEASED (CLASS) CLINICAL DOCUMENT may be VIEWED by A CHIEF, MIS</td>
</tr>
<tr>
<td>47</td>
<td>An UNDICTATED (CLASS) CLINICAL DOCUMENT may be VIEWED by A USER</td>
</tr>
<tr>
<td>48</td>
<td>A COMPLETED (CLASS) CLINICAL DOCUMENT may be IDENTIFIED FOR SIGNATURE by An AUTHOR/DICTATOR</td>
</tr>
<tr>
<td>49</td>
<td>An UNCOSIGNED (CLASS) CLINICAL DOCUMENT may be IDENTIFIED FOR SIGNATURE by An AUTHOR/DICTATOR</td>
</tr>
<tr>
<td>50</td>
<td>An UNCOSIGNED (CLASS) CLINICAL DOCUMENT may be IDENTIFIED FOR SIGNATURE by An EXPECTED COSIGNER</td>
</tr>
<tr>
<td>51</td>
<td>A COMPLETED (CLASS) CLINICAL DOCUMENT may be IDENTIFIED FOR SIGNATURE by An EXPECTED COSIGNER</td>
</tr>
<tr>
<td>52</td>
<td>An UNSIGNED (CLASS) CLINICAL DOCUMENT may be REASSIGNED by A MEDICAL INFORMATION SECTION</td>
</tr>
<tr>
<td>53</td>
<td>An UNSIGNED (CLASS) CLINICAL DOCUMENT may be REASSIGNED by An AUTHOR/DICTATOR</td>
</tr>
<tr>
<td>54</td>
<td>An UNSIGNED (CLASS) CLINICAL DOCUMENT may be HAVE ITS TITLE CHANGED by An AUTHOR/DICTATOR</td>
</tr>
<tr>
<td>55</td>
<td>A COMPLETED (CLASS) CLINICAL DOCUMENT may be HAVE ITS TITLE CHANGED by A CHIEF, MIS</td>
</tr>
<tr>
<td>56</td>
<td>An UNCOSIGNED (CLASS) CLINICAL DOCUMENT may be HAVE ITS TITLE CHANGED by An EXPECTED COSIGNER</td>
</tr>
<tr>
<td>57</td>
<td>An UNCOSIGNED (CLASS) CLINICAL DOCUMENT may be HAVE ITS TITLE CHANGED by A CLINICAL SERVICE CHIEF</td>
</tr>
<tr>
<td>58</td>
<td>A COMPLETED (CLASS) CLINICAL DOCUMENT may be REASSIGNED by A CHIEF, MIS</td>
</tr>
<tr>
<td>59</td>
<td>An UNVERIFIED (CLASS) CLINICAL DOCUMENT may be VERIFIED by A MEDICAL INFORMATION SECTION</td>
</tr>
<tr>
<td>60</td>
<td>An UNVERIFIED (CLASS) CLINICAL DOCUMENT may be EDITED by A MEDICAL INFORMATION SECTION</td>
</tr>
<tr>
<td>61</td>
<td>An UNVERIFIED (CLASS) CLINICAL DOCUMENT may be PRINTED by A MEDICAL INFORMATION SECTION</td>
</tr>
<tr>
<td>62</td>
<td>An UNRELEASED (CLASS) CLINICAL DOCUMENT may be VIEWED by A TRANSCRIPTIONIST</td>
</tr>
</tbody>
</table>

### List Business Rules by DOCUMENT DEFINITION

#### for CLASS PROGRESS NOTES

<table>
<thead>
<tr>
<th>Rule</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>A COMPLETED (CLASS) PROGRESS NOTE may be VIEWED by A USER</td>
</tr>
<tr>
<td>2</td>
<td>An UNSIGNED (CLASS) PROGRESS NOTE may be EDITED by A STUDENT who is also An AUTHOR/DICTATOR</td>
</tr>
<tr>
<td>3</td>
<td>An UNSIGNED (CLASS) PROGRESS NOTE may be DELETED by An AUTHOR/DICTATOR</td>
</tr>
<tr>
<td>4</td>
<td>An UNSIGNED (CLASS) PROGRESS NOTE may be VIEWED by An AUTHOR/DICTATOR</td>
</tr>
<tr>
<td>5</td>
<td>An UNCOSIGNED (CLASS) PROGRESS NOTE may be VIEWED by An AUTHOR/DICTATOR</td>
</tr>
<tr>
<td>6</td>
<td>An UNCOSIGNED (CLASS) PROGRESS NOTE may be VERIFIED by An EXPECTED COSIGNER</td>
</tr>
<tr>
<td>7</td>
<td>An UNCOSIGNED (CLASS) PROGRESS NOTE may be PRINTED by An EXPECTED COSIGNER</td>
</tr>
<tr>
<td>8</td>
<td>An UNCOSIGNED (CLASS) PROGRESS NOTE may be EDITED by An EXPECTED COSIGNER</td>
</tr>
<tr>
<td>9</td>
<td>An UNCOSIGNED (CLASS) PROGRESS NOTE may be SIGNED by An EXPECTED COSIGNER</td>
</tr>
<tr>
<td>10</td>
<td>An UNCOSIGNED (CLASS) PROGRESS NOTE may be SIGNED by An EXPECTED COSIGNER</td>
</tr>
<tr>
<td>11</td>
<td>An UNCOSIGNED (CLASS) PROGRESS NOTE may be SIGNED by An EXPECTED COSIGNER</td>
</tr>
<tr>
<td>12</td>
<td>An UNCOSIGNED (CLASS) PROGRESS NOTE may be SIGNED by An EXPECTED COSIGNER</td>
</tr>
<tr>
<td>13</td>
<td>An UNCOSIGNED (CLASS) PROGRESS NOTE may be SIGNED by An EXPECTED COSIGNER</td>
</tr>
<tr>
<td>14</td>
<td>An UNCOSIGNED (CLASS) PROGRESS NOTE may be VIEWED by A CHIEF, MIS</td>
</tr>
<tr>
<td>15</td>
<td>An UNCOSIGNED (CLASS) PROGRESS NOTE may be DELETED by A CHIEF, MIS</td>
</tr>
<tr>
<td>16</td>
<td>An UNCOSIGNED (CLASS) PROGRESS NOTE may be VIEWED by A CHIEF, MIS</td>
</tr>
<tr>
<td>17</td>
<td>An UNCOSIGNED (CLASS) PROGRESS NOTE may be DELETED by A CHIEF, MIS</td>
</tr>
<tr>
<td>18</td>
<td>An UNCOSIGNED (CLASS) PROGRESS NOTE may be EDITED by An EXPECTED COSIGNER</td>
</tr>
<tr>
<td>19</td>
<td>An UNCOSIGNED (CLASS) PROGRESS NOTE may be VIEWED by An EXPECTED COSIGNER</td>
</tr>
<tr>
<td>20</td>
<td>An UNCOSIGNED (CLASS) PROGRESS NOTE may be EDITED by A CLINICAL SERVICE CHIEF</td>
</tr>
<tr>
<td>21</td>
<td>An UNCOSIGNED (CLASS) PROGRESS NOTE may be VIEWED by A CLINICAL SERVICE CHIEF</td>
</tr>
<tr>
<td>22</td>
<td>An UNCOSIGNED (CLASS) PROGRESS NOTE may be SIGNED by A CLINICAL SERVICE CHIEF</td>
</tr>
<tr>
<td>23</td>
<td>An UNCOSIGNED (CLASS) PROGRESS NOTE may be SIGNED by An EXPECTED COSIGNER</td>
</tr>
</tbody>
</table>
Exported Business Rules, cont’d

List Business Rules by DOCUMENT DEFINITION for CLASS DISCHARGE SUMMARY

<table>
<thead>
<tr>
<th>Rule</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>An UNSIGNED (CLASS) DISCHARGE SUMMARY may be EDITED by A PROVIDER who is also An EXPECTED COSIGNER</td>
</tr>
<tr>
<td>2</td>
<td>An UNSIGNED (CLASS) DISCHARGE SUMMARY may be SIGNED by A PROVIDER who is also An ATTENDING PHYSICIAN</td>
</tr>
<tr>
<td>3</td>
<td>An UNCOSIGNED (CLASS) DISCHARGE SUMMARY may be COSIGNED by A PROVIDER who is also An EXPECTED COSIGNER</td>
</tr>
<tr>
<td>4</td>
<td>An UNVERIFIED (CLASS) DISCHARGE SUMMARY may be VIEWED by A MEDICAL INFORMATION SECTION</td>
</tr>
<tr>
<td>5</td>
<td>An UNCOSIGNED (CLASS) DISCHARGE SUMMARY may be EDITED by A PROVIDER who is also An EXPECTED COSIGNER</td>
</tr>
<tr>
<td>6</td>
<td>An UNSIGNED (CLASS) DISCHARGE SUMMARY may be SIGNED by A CLINICAL SERVICE CHIEF</td>
</tr>
<tr>
<td>7</td>
<td>An UNVERIFIED (CLASS) DISCHARGE SUMMARY may be VERIFIED by A MEDICAL INFORMATION SECTION</td>
</tr>
<tr>
<td>8</td>
<td>An UNVERIFIED (CLASS) DISCHARGE SUMMARY may be EDITED by A MEDICAL INFORMATION SECTION</td>
</tr>
<tr>
<td>9</td>
<td>An UNVERIFIED (CLASS) DISCHARGE SUMMARY may be PRINTED by A MEDICAL INFORMATION SECTION</td>
</tr>
<tr>
<td>10</td>
<td>An UNSIGNED (CLASS) DISCHARGE SUMMARY may be VIEWED by A USER</td>
</tr>
<tr>
<td>11</td>
<td>An UNSIGNED (CLASS) DISCHARGE SUMMARY may be PRINTED by A USER</td>
</tr>
<tr>
<td>12</td>
<td>An UNSIGNED (CLASS) DISCHARGE SUMMARY may be ADDENED by A USER</td>
</tr>
<tr>
<td>13</td>
<td>An UNCOSIGNED (CLASS) DISCHARGE SUMMARY may be ADDENED by A USER</td>
</tr>
<tr>
<td>14</td>
<td>An UNCOSIGNED (CLASS) DISCHARGE SUMMARY may be VIEWED by A USER</td>
</tr>
<tr>
<td>15</td>
<td>An UNCOSIGNED (CLASS) DISCHARGE SUMMARY may be COSIGNED by A CLINICAL SERVICE CHIEF</td>
</tr>
<tr>
<td>16</td>
<td>An UNCOSIGNED (CLASS) DISCHARGE SUMMARY may be EDITED by A CLINICAL SERVICE CHIEF</td>
</tr>
<tr>
<td>17</td>
<td>An UNSIGNED (CLASS) DISCHARGE SUMMARY may be SIGNED by An EXPECTED SIGNER</td>
</tr>
</tbody>
</table>
Index

<

<Enter>, 6

A

About This Manual, 5
Action, 46
Action Definitions, 21
Action List, 39
Actions, 8
active, 11, 16
Adding a new Business Rule, 32
Adding and Editing Business Rules, 24
Amended, 38
AMENDMENT, 39
Appendices, 48
Appendix A: Exported User Classes, 50
Appendix B: Exported Business Rules, 56
ASU home page, 5
ASU Rule Browser, 24, 32
ATTACH ID ENTRY, 39
ATTACH TO ID NOTE, 39
Authorization, 46
AUTHORIZED, 3, 46

B

Benefits, 4
Browser, 24, 32
Business Rules, 24, 46

C

CHANGE TITLE, 39
Class, 20
Clinician, 46
Completed, 38
Copy or Send Back a Clinical Document, 28
COPY RECORD, 39
COSIGNATURE, 39
CPRS, 11
Create or edit Business Rules, 14
creating user classes, 14

D

Defining and Managing User Classes, 11
DELETE RECORD, 39
Deleting and Editing Business Rules, 35
Discharge Summaries, 3
Discharge Summary, 46
Document Class, 46
Document Definition, 46

E

Edit Business Rules, 25
EDIT COSIGNER, 39
EDIT RECORD, 39
ENTRY, 39
Expand/Collapse Tree, 17
Exported Business Rules, 56
Exported User Classes, 50

F

Features, 4
hidden) Actions, 8
hiderecaries, 11
HIMS, 22

H

Icons, 6
IDENTIFY SIGNERS, 40
inactive, 11
Introduction, 1
Introduction to TIU, 3

L

LINK TO FLAG, 40
LINK WITH REQUEST, 40
List Manager utility, 7
List Membership by Class, 20
List Membership by User, 19

M

MAKE ADDENDUM, 40
Manage Business Rules, 24, 32
Medical Record Technicians, 22
Menu and options, 14
MIS, 22

O

Online Help, 7

P

Progress Notes, 3, 47
Provider Class, 11
Purpose of ASU, 3
<table>
<thead>
<tr>
<th>R</th>
<th>U</th>
</tr>
</thead>
<tbody>
<tr>
<td>REASSIGN, 40</td>
<td>Uncosigned, 38</td>
</tr>
<tr>
<td>RELEASE FROM TRANSCRIPTION, 41</td>
<td>Undicatated, 38</td>
</tr>
<tr>
<td>Rule Browser, 24, 32</td>
<td>Unreleased, 38</td>
</tr>
<tr>
<td></td>
<td>Unsigned, 38</td>
</tr>
<tr>
<td></td>
<td>unverified progress note, 38</td>
</tr>
<tr>
<td></td>
<td>Untranscribed, 38</td>
</tr>
<tr>
<td></td>
<td>Unverified, 38</td>
</tr>
<tr>
<td>S</td>
<td>User Class, 20, 47</td>
</tr>
<tr>
<td>Screen Display, 7</td>
<td>User Class Definition, 16</td>
</tr>
<tr>
<td></td>
<td>User Classes, 11</td>
</tr>
<tr>
<td></td>
<td>User Role SURROGATE, 27</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>T</td>
<td>V</td>
</tr>
<tr>
<td>Text Integration Utility, 11</td>
<td>Verification, 41</td>
</tr>
<tr>
<td>TIU home page, 5</td>
<td>View, 41</td>
</tr>
<tr>
<td></td>
<td>VistA Document Library (VDL), 5</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>W</td>
<td></td>
</tr>
<tr>
<td>Web Resources, 5</td>
<td></td>
</tr>
</tbody>
</table>