

# **Computerized Patient Record System (CPRS)**

## **Technical Manual: GUI Version**



**MAY 2013**

**Department of Veterans Affairs  
Office of Information & Technology (OI&T)  
Product Development (PD)**

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## Revision History

This revision history contains the page numbers where changes in the manual begin. For the most recent entries in the MS Word file, the page number is also [hyperlink](#). Click (or Ctrl + Click depending on your options) on the page number to go to the section. Many entries under Change(s) also contain hyperlinks.

Date	Patch	Page(s)	Change(s)	Project Manager	Technical Writer
4/19/2013	OR*3.0*306	276, 398	Added definitions of the ORCDGRMC Earliest Date Default parameter that defines an Earliest Appropriate Date default value for Consult requests. Parameter is defined <a href="#">by function</a> and <a href="#">by name</a> .	K. Condie	T. Robinson
4/16/2013	OR*3.0*306	177	<a href="#">Added a section about DEA ePCS reports to aid in configuring providers to write outpatient electronic controlled substance orders.</a>	K. Condie	T. Robinson
2/27/2013	OR*3.0*306	33	<a href="#">Changed a reference to how the SHOWRPCS command line switch works (this was changed in OR*3.0*280 but not documented)</a>	K. Condie	T. Robinson
9/6/2012	OR*3.0*306	233	<a href="#">Added a note that caching for CPRS graphing is currently disabled.</a>	K. Condie	T. Robinson
8/30/2012	OR*3.0*306	278, 360	Added information about the new OR DEA PIV LINK MSG parameter <a href="#">by function</a> and <a href="#">by name</a> .	K. Condie	T. Robinson
6/26/2012	OR*3.0*306	169	<a href="#">Added information about how to configure provider information for the DEA ePCS project.</a>	K. Condie	T. Robinson
6/26/2012	OR*3.0*306	343, 441	Added information about the new parameter to suppress codes on the Problem List dialog <a href="#">by function</a> and <a href="#">by name</a> .	K. Condie	T. Robinson
6/26/2012	OR*3.0*306	167	<a href="#">Added information</a>	K. Condie	T. Robinson

	OR*3.0*218		<a href="#">about the new digital signature information related to the DEA ePCS project.</a>		
3/20/2012	OR*3.0*306	338, 369	Added notes to say that OR USE MH DLL was removed and will no longer be used.	K. Condie	T. Robinson
3/20/2012	OR*3.0*306	198	Removed a reference to configuring reminders to use OR USE MH DLL.	K. Condie	T. Robinson
11/17/11	OR*3.0*306	76	<a href="#">Added a description of how SNOMED is used to describe patient problems in CPRS.</a>	K. Condie	T. Robinson
1/12/11	OR*3.0*280	395	<a href="#">Added a note to indicate that ORB SURROGATE RECIPEINT parameter is no longer used.</a>	K. Condie	T. Robinson
1/12/11	OR*3.0*280	310, 394	Added information on the ORB SORT DIRECTION parameter <a href="#">by name</a> and <a href="#">by function</a> .	K. Condie	T. Robinson
1/12/11	OR*3.0*280	305, 391	Added information on the ORB OI RESULTS – OUTPT PR parameter <a href="#">by name</a> and <a href="#">by function</a> .	K. Condie	T. Robinson
1/12/11	OR*3.0*280	303, 389	Added information on the ORB OI RESULTS – INPT PR parameter <a href="#">by name</a> and <a href="#">by function</a> .	K. Condie	T. Robinson
1/12/11	OR*3.0*280	305, 386	Added information on the ORB OI ORDERED – OUTPT PR parameter <a href="#">by name</a> and <a href="#">by function</a> .	K. Condie	T. Robinson
1/12/11	OR*3.0*280	303, 385	Added information on the ORB OI ORDERED – INPT PR parameter <a href="#">by name</a> and <a href="#">by function</a> .	K. Condie	T. Robinson
1/11/11	OR*3.0*280	304, 383	Added information on the ORB OI EXPIRING – OUTPT PR parameter <a href="#">by name</a> and <a href="#">by function</a> .	K. Condie	T. Robinson
1/11/11	OR*3.0*280	302, 382	Added information on the ORB OI EXPIRING – INPT PR	K. Condie	T. Robinson

			parameter <a href="#">by name</a> and <a href="#">by function</a> .		
1/11/11	OR*3.0*280	308, 379	Added information on the ORB LAB < THRESHOLD parameter <a href="#">by name</a> and <a href="#">by function</a> .	K. Condie	T. Robinson
1/11/11	OR*3.0*280	308, 379	Added information on the ORB LAB > THRESHOLD parameter <a href="#">by name</a> and <a href="#">by function</a> .	K. Condie	T. Robinson
1/11/11	OR*3.0*280	312, 377	Added information on the ORB FORWARD BACKUP REVIEWER parameter <a href="#">by name</a> and <a href="#">by function</a> .	K. Condie	T. Robinson
1/11/11	OR*3.0*280	300, 377	Added that the ORB ERASE ALL parameter can be set at the package, system, and division levels in the listing <a href="#">by name</a> and <a href="#">by function</a> .	K. Condie	T. Robinson
12/13/10	OR*3.0*336	288, 357	<p><b>Note:</b> This patch has the same functionality as OR*3.0*290, which was marked as “Entered in Error”, but also addresses an installation error for sites that do not have the class III routine VEXRX, which is related to telephone prescription renewal, in their system.</p> <p>Added a description of the parameter OR AUTORENEWAL USER, which is related to telephone prescription renewal, <a href="#">by function</a> and <a href="#">by name</a>.</p>	M. Montali	T. Robinson
7/20/10	OR*3.0*280	92, 96	Added that the ORWOR CATEGORY SEQUENCE parameter can be set for the <a href="#">main order view</a> and for <a href="#">IMO orders</a> .	K. Condie	T. Robinson
7/20/10	OR*3.0*280	269, 468	Added the new level at which the ORWOR	K. Condie	T. Robinson

			CATEGORY SEQUENCE <a href="#">by function</a> and <a href="#">by name</a> .		
7/20/10	OR*3.0*280	321, 366	Added the new level at which the OR RA RFS CARRY ON <a href="#">by function</a> and <a href="#">by name</a> .	K. Condie	T. Robinson
7/15/10	OR*3.0*280	152	<a href="#">Added a brief section that refers to how orders lapse.</a>	K. Condie	T. Robinson
7/14/10	OR*3.0*280	321, 366	Added information about the OR RADIOLOGY ISSUES parameter <a href="#">by function</a> and <a href="#">by name</a> .	K. Condie	T. Robinson
7/14/10	OR*3.0*280	277, 473	Added information about the ORWOR WRITE ORDERS LIST being superseded by ORWDX WRITE ORDERS LIST parameter <a href="#">by function</a> and <a href="#">by name</a> .	K. Condie	T. Robinson
6/24/10	OR*3.0*280	311, 392	Added some additional options for the ORB PROVIDER RECIPIENTS parameter <a href="#">by function</a> and <a href="#">by name</a> .	K. Condie	T. Robinson
6/5/2010	OR*3.0*290	288, 357	Added a description of the parameter OR AUTORENEWAL USER, which is related to telephone prescription renewal, <a href="#">by function</a> and <a href="#">by name</a> .	M. Montali	T. Robinson
6/4/10	OR*3.0*280	274, 374	Added definitions for the OR VBECS REMOVE COLL TIME parameter <a href="#">by function</a> and <a href="#">by name</a> .	K. Condie	T. Robinson
6/4/10	OR*3.0*280	276, 373	Added definitions for the OR VBECS ON parameter <a href="#">by function</a> and <a href="#">by name</a> .	K. Condie	T. Robinson
6/4/10	OR*3.0*280	275, 372	Added definitions for the OR VBECS LEGACY REPORT parameter <a href="#">by function</a> and <a href="#">by name</a> .	K. Condie	T. Robinson
6/4/10	OR*3.0*280	275, 371	Added definitions for the OR VBECS ERROR MESSAGE	K. Condie	T. Robinson

			parameter <a href="#">by function</a> and <a href="#">by name</a> .		
6/3/10	OR*3.0*280	274, 371	Added definitions for the OR VBECS DIAGNOSTIC TEST ORDER parameter <a href="#">by function</a> and <a href="#">by name</a> .	K. Condie	T. Robinson
6/3/10	OR*3.0*280	275, 370	Added definitions for the OR VBECS DIAGNOSTIC PANEL 1 <sup>ST</sup> parameter <a href="#">by function</a> and <a href="#">by name</a> .	K. Condie	T. Robinson
1/11/10	OR*3.0*280	35	<a href="#">Added text to describe automatic and manually created submenus on the Tools menu.</a>	K. Condie	T. Robinson
1/11/10	OR*3.0*280	128	<a href="#">Made a change to the description of field 100.5, field 2 about manually releasing delayed orders.</a>	K. Condie	T. Robinson
6/1/09	OR*3.0*296	52	<a href="#">Added a small section describing how to disable and re-enable background processing for caching graphing data.</a>	K. Condie	T. Robinson
3/11/09	OR*3.0*296	417	Changed the ORPF ACTIVE ORDERS CONTEXT HRS parameter help description and <a href="#">by name</a> .	K. Condie	T. Robinson
3/5/09	OR*3.0*296	320, 364	Changed the OR OREMAS NON-VA MED ORDERS parameter description <a href="#">by function</a> and <a href="#">by name</a> to remove references to a choice of Unreleased rather than just Yes or No.	K. Condie	T. Robinson
12/1/08	OR*3.0*292	94, 267, 364	<a href="#">Updated the Order Authorization/Access section regarding clerk access to orders.</a> Changed the OR OREMAS MED ORDERS parameter description <a href="#">by function</a> and <a href="#">by name</a> to match what developers changed it to. It more accurately reflects how	J. Hartin	T. Robinson

			the parameter works.		
10/24/08	OR*3.0*212	275, 371	Added a section about the parameter OR VBECS ERROR MESSAGE <a href="#">by function</a> and <a href="#">by name</a> .	A. Ebert	T. Robinson
8/4/08	OR*3.0*212	158	<a href="#">Added a section about VBECS installation and set up.</a>	A. Ebert	T. Robinson
8/4/08	OR*3.0*243	233	<a href="#">Added a small section about an added resource device that enables caching with graphing to improve graphing performance.</a>	A. Ebert	T. Robinson
5/8/08	OR*3.0*243	273, 462	Added descriptions for ORWDXVB VBECS TNS CHECK <a href="#">by function</a> and <a href="#">by name</a> .	A. Ebert	T. Robinson
4/14/08	OR*3.0*243	321, 366	Added descriptions for OR RA RFS CARRY ON <a href="#">by function</a> and <a href="#">by name</a> .	A. Ebert	T. Robinson
4/2/08	N/A	n/a	Removed reference to a non-existent parameter OR DELAYED LAPSE ORDERS DAYS.	A. Ebert	T. Robinson
3/29/08	OR*3.0*243	152	<a href="#">Added information about lapsing of old orders.</a>	A. Ebert	T. Robinson
3/13/08	OR*3.0*243	94	<a href="#">Added some information about Recently Expired Orders.</a>	A. Ebert	T. Robinson
2/7/08	OR*3.0*243	226	<a href="#">Added some information about configuring the Mental Health dll for use with Reminders.</a>	A. Ebert	T. Robinson
2/1/08	OR*3.0*243	309, 338, 360, 369	Added information about parameter OR FLAGGED ORD REASONS <a href="#">by function</a> and <a href="#">by name</a> and parameter OR USE MH DLL <a href="#">by function</a> and <a href="#">by name</a> .	A. Ebert	T. Robinson



1/16/08	OR*3.0*243	128, 148	Changed references to TIME PAT OUT OR to TIME PAT IN OR for <a href="#">discontinuing orders</a> affecting <a href="#">delayed orders</a> .	A. Ebert	T. Robinson
12/17/07	OR*3.0*243	273, 370, 274, 373	Added information about OR VBECS COMPONENT ORDER by function and by name, OR VBECS MODIFIERS, by <a href="#">function</a> and by <a href="#">name</a> , OR VBECS REASON FOR REQUEST by <a href="#">function</a> and by <a href="#">name</a> , and OR VBECS SUPPRESS NURS ADMIN by <a href="#">function</a> and by <a href="#">name</a> .	A. Ebert	T. Robinson
11/21/07	OR*3.0*243	43	<a href="#">Added a section about date and time entry into CPRS, including how 00:00 is not changed to 00:00:01 to make is less ambiguous.</a>	A. Ebert	T. Robinson
11/19/07	OR*3.0*243	288, 470	Added an expanded description of the ORWOR EXPRIED ORDERS parameter <a href="#">by name</a> and <a href="#">by function</a> .	A. Ebert	T. Robinson
11/19/07	OR*3.0*243	330, 400	Added an expanded description of the ORCH CONTEXT MEDS parameter <a href="#">by name</a> and <a href="#">by function</a> .	A. Ebert	T. Robinson
11/8/07	OR*3.0*243	324, 362, 324, 362	Added a description of the OR LAPSE ORDERS parameter <a href="#">by name</a> and <a href="#">by function</a> and the OR LAPSE ORDERS DFLT parameter <a href="#">by name</a> and <a href="#">by function</a> .	A. Ebert	T. Robinson
8/6/07	OR*3.0*243	95	<a href="#">Added a note about IMO locations.</a>	A. Ebert	T. Robinson
7/6/07	OR*3.0*243	277, 466	Added a description of the new ORWLR LC CHANGED TO WC parameter that defines the text on the message screen when a lab	A. Ebert	T. Robinson

			collect order is changed to a ward collect. This parameter is in the manual <a href="#">by name</a> and <a href="#">by function</a> .		
4/4/07	OR*3.0*232	367	<a href="#">Added a note to the parameter definition.</a>	D. Rickard	T. Robinson
2/2/07	OR*3.0*232	various	Changed dates for release.	D. Rickard	T. Robinson
2/2/07	OR*3.0*232	315, 367	Added notes for setting Remote Data Interoperability (RDI) parameters through the menu OR RDI PARAMS <a href="#">by function</a> and <a href="#">by name</a> .	D. Rickard	T. Robinson
1/19/06	OR*3.0*243	323, 359	Added description of new parameter OR DC REASON LIST <a href="#">by function</a> and <a href="#">by name</a> .	A. Ebert	T. Robinson
1/19/06	OR*3.0*243	286, 356	Added description of new parameter OR ADMIN TIME HELP TEXT <a href="#">by function</a> and <a href="#">by name</a> .	A. Ebert	T. Robinson
1/19/06	OR*3.0*243	319, 358	Added description of new parameter OR CLOZ INPT MSG <a href="#">by function</a> and <a href="#">by name</a> .	A. Ebert	T. Robinson
12/19/06	OR*3.0*260	55	<a href="#">Updated the web addresses for the VHA Document Library (VDL).</a>	A. Ebert	T. Robinson
12/7/06	OR*3.0*260	55, 353, 463	Revised the sections regarding CPRS Graph Public Editor Classes <a href="#">by function</a> and <a href="#">by name</a> . Removed steps under “ <a href="#">Editing Public Display Options and Views</a> ” that referred to user level that has been removed.	A. Ebert	T. Robinson
11/27/06	OR*3.0*242	236	<a href="#">Added some information about the ORCL NATURE menu option.</a>	S. Madsen	T. Robinson
8/18/06	OR*3.0*260	36, 283,	Removed references to Treatments as a	Ebert	T. Robinson

		363	graphing item.		
7/11/06	OR*3.0*264	326, 482	Corrected the address for the ORWRP VISTAWEB ADDRESS parameter for the parameter listings <a href="#">by function</a> and <a href="#">by name</a> .	Ebert	T. Robinson
4/20/06	OR*3.0*215	31	Added a note to inform sites that the CPRS Technical Manual should be used in conjunction with this manual. It has not been retired.	Ebert	T. Robinson
4/3/06	OR*3.0*215	479	Added information about parameters that determine how items on the reports tab are listed by function and by name	Ebert	T. Robinson
4/3/06	OR*3.0*215	353, 463	Added information about several graphing parameters by function and by name.	Ebert	T. Robinson
3/30/06	OR*3.0*215	301, 394	Added information about the parameter ORB REMOVE NON-OR by function and by name.	Ebert	T. Robinson
3/30/06	OR*3.0*215	95	Added information about IMO set up.	Ebert	T. Robinson
3/3/06	OR*3.0*215	338, 356	Information about the parameter OR ALLERGY ENTERED IN ERROR by function and by name.	Ebert	T. Robinson
3/3/06	OR*3.0*215	33	Added information to about the CCOW PATIENTONLY command line switch.	Ebert	T. Robinson
3/2/06	OR*3.0*215	52	Added “ <a href="#">Configuring Graphing</a> ” section to explain graphing setup and configuration.	Ebert	Walton
2/7/06	OR*3*215	327, 477	Added information about a new parameter to control access to data from the health data repository (HDR). Described by function and by name.	A. Ebert	T. Robinson
8/11/05	OR*3*215	320, 475	Added information	D. Rickard	T. Robinson

			about the ORWPFSS ACTIVE parameter used for testing by function and by name.		
7/11/05	OR*3*215		Added information about the new VistaWeb parameter to indicate if users will use Remote Data Views or VistaWeb for remote data viewing. Defined by function and by name.	M. Hendry	T. Robinson
7/11/05	OR*3*215	326, 482	Added information about the new VistaWeb parameter to define the web address. Defined by function and by name.	M. Hendry	T. Robinson
5/2/05	n/a	51	Corrected outdated information about ORB SORT ORDER parameter values.	n/a	T. Robinson
12/28/04	n/a	various	Made changes to the manual to comply with SOP about Sensitive date.	N/A	T. Robinson
11/17/04	n/a	Revision history	Added project manager and technical writer names per direction from management	n/a	T. Robinson
11/4/04	OR*3.0*195	63	More minor revisions to this section.	T. Baxter	T. Robinson
10/27/04	OR*3.0*222	347, 361	Added information about the parameter for Group Notes locations <a href="#">by function</a> and <a href="#">by name</a> .	A. Ebert	T. Robinson
10/21/04	OR*3.0*195	63	Additional revisions to the CIDC section about the switches.	T. Baxter	T. Robinson
9/30/04	OR*3.0*195	63	Revised section dealing with the CIDC Individual Provider switch and accompanying reports.	T. Baxter	T. Robinson
8/16/04	OR*3.0*195	269, 357	Added a description of the CIDC parameter <a href="#">by function</a> and <a href="#">by name</a> .	T. Baxter	T. Robinson
8/10/04	OR*3.0*195	63	Updated the information about enabling the CIDC switch for individual clinicians.	T. Baxter	T. Robinson

6/30/04	OR*3.0*195	277, 466	Added information about the parameter that controls the message on the dialog for Other schedules (custom or day-of-week or admin/time schedules) <a href="#">by function</a> and <a href="#">by parameter name</a> .	M. Hendry	T. Robinson
6/4/04	OR*3.0*195	156	Added information about modifications to the GMRAOR ALLERGY order-entry dialog. These modifications enable CPRS to enter allergy/adverse reaction information directly into the Allergy/Adverse Reaction Tracking (ART) package.	A. Ebert	C. Walton
5/19/04	OR*3.0*195	436, 436, 444	Added notes about previous date range parameters for the <a href="#">Cover Sheet start</a> and <a href="#">stop</a> dates and for the <a href="#">Encounter form visit start date and stop dates</a> being discontinued.	M. Hendry	T. Robinson
5/17/04	OR*3.0*195	345, 439	Added information about the new parameter that let's sites specify the number of days in the future that a user may select an encounter without CPRS warning them that the encounter is too far in the future and they may be violating local policy. This parameter is listed by <a href="#">function</a> and by <a href="#">name</a> .	M. Hendry	T. Robinson
5/17/04	OR*3.0*195	343, 438, 439	Added information about the new date range parameters (ORQQEAPT ENC APPT START and ORQQEAPT ENC APPT STOP) for appointments on the Encounter form <a href="#">by</a>	M. Hendry	T. Robinson

			<a href="#">function</a> and <a href="#">by name</a> .		
5/17/04	OR*3.0*195	342, 437	Added information about the new date parameters (ORQQCSDR CS RANGE START and ORQQCSDR CS RANGE STOP) for appointments, visits, and admissions on the Cover Sheet <a href="#">by function</a> and <a href="#">by name</a> .	M. Hendry	T. Robinson
5/5/04	OR*3.0*195	63	<a href="#">Added information about enabling Clinical Indicators Data Capture (CIDC) features.</a>	T. Baxter	T. Robinson
5/4/04	OR*3.0*190	42	<a href="#">Added information about the ORWCH BOUNDS parameter that now stores the sizes of the inpatient, Non-VA, and outpatient display areas on the Meds tab.</a>		
4/27/04	OR*3.0*190	352, 472	Highlighted information about the Surgery tab parameter ORWOR SHOW SURGERY TAB <a href="#">by function</a> and <a href="#">by name</a> .		
4/27/04	OR*3.0*190	364, 320	Added information about the new non-VA meds parameter that controls what clerks (those holding the OREMAS) key can do with entering and DCing non-VA Meds <a href="#">by name</a> and <a href="#">by function</a> .		
1/28/04	OR*3.0*190	<u>33</u>	<a href="#">Added information about command line switches available in CPRS.</a>		
1/28/04	OR*3.0*190	<u>288, 470</u>	<a href="#">Added description of Hours To Find Recently Expired Meds in the parameters by function section and ORWOR EXPIRED ORDERS in the parameters by name section.</a>		

1/27/04	OR*3.0*190	<u>313</u> , <u>395</u>	Added new values in the “ <a href="#">Notification Sort Method</a> ” parameter ( <a href="#">by function</a> ) named <a href="#">ORB SORT METHOD</a> ( <a href="#">by name</a> ) for saving Notification sort order.		
1/22/04	OR*3.0*190	<u>157</u>	<a href="#">Added instructions on how to enter different Non-VA Med reasons for the system and division levels of the ORWD NONVA REASON parameter.</a>		
1/22/04	OR*3.0*190	<u>393</u> , <u>300</u> , <u>448</u> , <u>288</u>	Added information about the parameter ORB REMOVE ( <a href="#">by name</a> and <a href="#">by function</a> ) controlling the use of the Notifications Remove button and the parameter ORWD NONVA REASON ( <a href="#">by name</a> and <a href="#">by function</a> ) where reasons for Non-VA Meds are stored.		
9/10/03	OR*3.0*187	94, <u>91</u> , 89	Added information about authorizing hospital locations to order inpatient medications for outpatients. This capability was added with CPRS GUI version 23. Also added information about configuring stop dates for inpatient medication orders for outpatients.		
9/9/03	OR*3.0*173	348	Added description of Show Unresolved Consults (ORWOR SHOW CONSULTS) parameter in section of parameters by function.		
9/9/03	OR*3.0*173	471	Added description of Show Unresolved Consults (ORWOR SHOW CONSULTS) parameter in section of parameters by name.		
7/8/03		167	Added more required information for PKI.		

3/2003		496	CPRS GUI v21 Changes to COM Object Template Functionality		
2/2003		167 , 470	Added information about digital signatures in CPRS. Also added the information about the PKI parameters.		
10/2002			Added new section on event-delayed orders. Added Automatically Discontinuing Orders Section  Frequently Asked Questions about Event- Delayed Orders and Automatically Discontinuing Orders (Auto-DC Rules)  Added new parameters for event-delayed orders (OREVNT COMMON LIST, OREVNT DEFAULT, OREVNT EXCLUDE DGRP, OREVNT MANUAL RELEASE, OREVNT MANUAL RELEASE CONTROL)		
May 2002			Added Appendix H - Accessibility about creating or adding to JAWS screen reader configuration files.		
April 2002			Added a note about SetContext for COM objects and a revision about the execute function; removed duplicate information from Appendix F		
June 2001			Patch 85		
August 2001			Added Appendix F - Creating CPRS extension COM object in Delphi  Reports tab		



			parameters, available reports		
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# Introduction

## What is CPRS?

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The Computerized Patient Record System v.1.0 (CPRS) is a Veterans Health Information Systems and Technology Architecture (VISTA) computer application. CPRS enables you to enter, review, and continuously update all information connected with any patient. With CPRS, you can order lab tests, medications, diets, radiology tests and procedures, record a patient's allergies or adverse reactions to medications, request and track consults, enter progress notes, diagnoses, and treatments for each encounter, and enter discharge summaries.

CPRS not only allows you to keep comprehensive patient records, it enables you to review and analyze the data gathered on any patient in a way that directly supports clinical decision-making.

## Using CPRS Documentation

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### Related Manuals

- Computerized Patient Record System Installation Guide
- Computerized Patient Record System Setup Guide
- Computerized Patient Record System Clinician Guide
- Computerized Patient Record System Technical Manual
- Text Integration Utility (TIU) Technical Manual
- TIU/ASU Implementation Guide
- Authorization/Subscription Utility (ASU) Technical Manual
- Consult/Request Tracking Technical Manual
- Clinical Reminders Manager Manual

**Note:** The CPRS Technical manual is a companion to this manual and contains a wealth of information about setting up CPRS, files, and how order checking and notifications work to name just a few items. Sites should be familiar with and use both manuals.

### World Wide Web

CPRS documentation is also available on the VistA Document Library (VDL) The online versions will be updated as needed. Please look for the latest version on the VDL:

<http://www.va.gov/vdl>

## **CPRS GUI Interface**

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CPRS was built to run in both the Microsoft Windows operating environment (usually referred to simply as Windows) and on terminals. The terminal, text-based version of CPRS is not described in this manual. This manual describes the Windows version of CPRS. The Graphical User Interface (GUI) version of CPRS uses graphical elements, such as lines, boxes, and pictures, to display information instead of just text. Windows is another example of a GUI.

## **The Organization of this Manual**

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This manual is organized in the way most people will see the CPRS GUI product. CPRS is patterned similar to the patient's chart. The technical aspects of each tab in the chart are explained. The configuration of CPRS is controlled using the Parameter file. Several parameters affect the presentation of the chart by controlling defaults and allowing functionality to be enabled. Parameters are further listed in the appendix. Remote Procedure Calls (RPC) are also listed. An RPC is a procedure called from the client (the user's workstation) communicating to the server (the M database).



# General Application Settings

The settings described in this section refer to those not generally tied to any tab in CPRS, but apply to the overall application. This section covers the following areas:

- Command line switches
- Initial View
- Tools Menu
- Window Layout
- Timeouts
- Miscellaneous

## Command Line Switches

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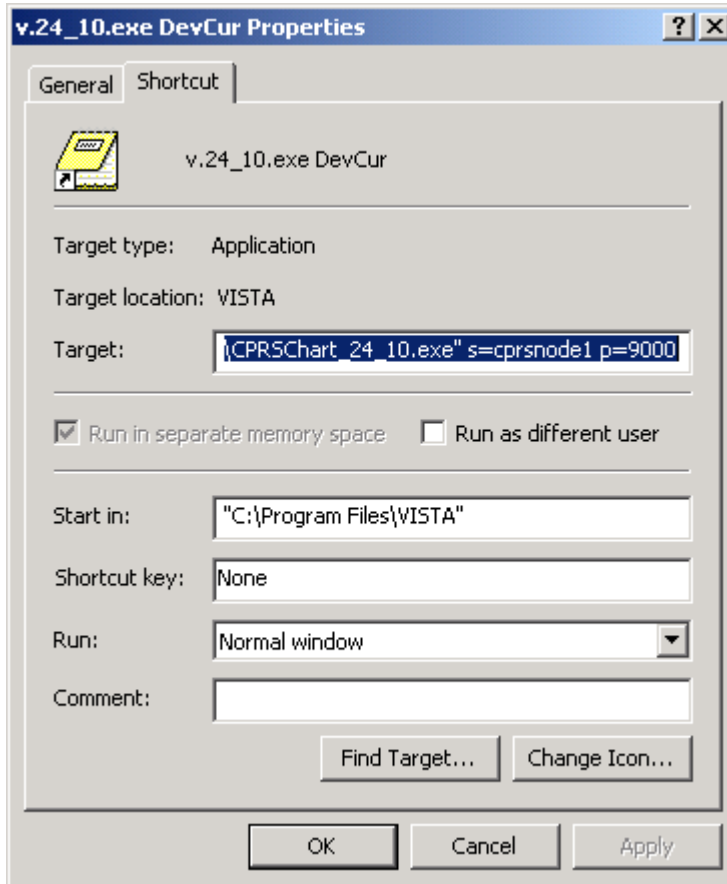
CPRS supports several command line switches. The switches enable users define certain parameters, such as the name of the server or the port number. Others enable users to force certain behaviors in CPRS, such as debugging, showing which remote procedure calls are executing, forcing, limiting, or disabling context management, and turning off the CPRS splash screen.

The switches supported by CPRS are as follows:

SERVER= or S=	name of server to connect to
PORT= or P=	broker port on that server
DEBUG	allow server-side debugging and breakpoints (see RPCBroker docs)
SHOWRPCS	putting this on the command line enables the user to see the last 100 RPCs if by using the Last Broker Call option on the Help menu
CCOW=	DISABLE - run in non-CCOW mode  FORCE - force second and subsequent instances of CPRS to link to context on startup  PATIENTONLY - limits context management to patient context only, not user context
SPLASH=	OFF - do not show splash screen

**Note:** Although there are three CCOW command line switches, CPRS can only use one at a time. If users put more than one CCOW switch in the shortcut, CPRS will use only the first one.

These switches can be placed anywhere used to run CPRS, such as the Run window, a batch file, or in the Target field of a CPRS shortcut as shown in the graphic below:



This screen shot shows the Properties of a windows shortcut. In the Target field, command line switches defining the server and the port are shown.

## Initial View

The first tab that displays when a user starts CPRS may be set by the parameter ORCH INITIAL TAB. This parameter may be set for the site and then overridden at the division and user levels, as needed. If no value is set, the chart will open, by default, to the Cover Sheet. ORCH INITIAL TAB may be set to the following values:

- 1 Cover
- 2 Problems
- 3 Meds
- 4 Orders
- 6 Notes
- 7 Consults
- 8 DC Summ
- 9 Labs
- 10 Reports

**Note:** The number 5 is not one of the possible values. It is reserved.

Additionally, CPRS may be configured to remain on the same tab when the user changes to another patient record. Setting ORCH USE LAST TAB to “yes” will accomplish this. If ORCH USE LAST TAB is set to “no” or not set, the chart will always open to the tab identified by ORCH INITIAL TAB when changing patients.

## Tools Menu

A site may use the Tools menu to give users access to other client software from within CPRS. The parameter, ORWT TOOLS MENU, is used to set up the list of software that appears on the menu. This parameter may be set up for the site, then overridden as appropriate at the division, service, and user levels. Below, you will find instructions on the format for entering items on this list and the use of submenus.

### Format for Entering Items in ORWT TOOLS MENU

Each item entered on the menu should have the form, NAME=COMMAND. NAME is the name you want the user to see on the menu. CPRS automatically assigns a letter in each item so that the user can select it using the keyboard. However, if you want to assign a specific letter for item, you can type an ampersand (&) in front of any letter to allow keyboard access to the menu item using that letter. In the example below, by entering the ampersand before the N in notepad, the user will see the item as Notepad on the menu. If the user had instead placed the ampersand before the “t”, the menu item would be Notepad. The COMMAND may be a line that can be executed by Windows. It may also be any file for which Windows has a file association.

*Example: Create a user’s tools menu that contains Notepad, access to the CPRS Web page, and a terminal session to the local site.*

```
Select General Parameter Tools Option:  ep  Edit Parameter Values
          --- Edit Parameter Values ---
Select PARAMETER DEFINITION NAME:  orwt TOOLS MENU      CPRS GUI Tools
MenuORWT TOOLS MENU may be set for the following:
    1  User          USR      [choose from NEW PERSON]
    2  Location      LOC      [choose from HOSPITAL LOCATION]
    2.5 Service      SRV      [choose from SERVICE/SECTION]
    3  Division      DIV      [REGION 5]
    4  System        SYS      [OEC.ISC-SLC.VA.GOV]
Enter selection: 1  User      NEW PERSON
Select NEW PERSON NAME:  CPRSPROVIDER,TEN              TC

----- Setting ORWT TOOLS MENU for User: CPRSPROVIDER, TEN -----
Select Sequence: 1
Are you adding 1 as a new Sequence? Yes//      YES
Sequence: 1//      1
Name=Command:  &Notepad=Notepad.exe
Select Sequence: 2
Are you adding 2 as a new Sequence? Yes//      YES
Sequence: 2//      2
Name=Command:  &CPRSInfo=http://vista.med.va.gov/cprs/index.html
Select Sequence: 3
Are you adding 3 as a new Sequence? Yes//      YES
Sequence: 3//      3
Name=Command:  &VistA="C:\Program Files\Attachmate\KEA! VT\keavt.exe"
LOCALVAMC
Select Sequence:
```

Note that CPRSInfo did not require an executable file to be identified. Since Windows understands hypertext transfer protocol (HTTP), it will launch the workstation’s default browser and navigate to the address. Also, note the quotation marks in the VistA

Terminal example. A path that contains space characters (like C:\Program Files\...) must be surrounded by quotation marks. Entries on the command line may also contain parameters. In the example above, LOCALVAMC is the name of a KEA! session that is passed as a command line parameter.

It is possible to pass context-sensitive parameters. These are parameters that are entered as placeholders, and then converted to the appropriate values at runtime. These placeholder parameters are:

%SRV           = Server name for the current broker connection.  
 %PORT          = Port number for the current broker connection.  
 %MREF          = M code giving the global reference where the patient DFN is stored.  
 %DFN           = The actual DFN of the currently selected patient.  
 %DUZ           = Internal entry number of the current user.

So, if you have another application that needs to know, for example, the identity of the current user and currently selected patient, you could list %DUZ and %DFN as parameters in the command that executes that program.

*Example: Add VistA Imaging as a fourth item on the Tools menu above. Pass it to the server and port used by CPRS, in addition to the global reference that contains the current patient identifier.*

```
Select General Parameter Tools Option: ep  Edit Parameter Values
          --- Edit Parameter Values ---
Select PARAMETER DEFINITION NAME: orwt TOOLS MENU      CPRS GUI Tools Menu
ORWT TOOLS MENU may be set for the following:
  1  User          USR      [choose from NEW PERSON]
  2  Location      LOC      [choose from HOSPITAL LOCATION]
  2.5 Service      SRV      [choose from SERVICE/SECTION]
  3  Division      DIV      [REGION 5]
  4  System        SYS      [OEC.ISC-SLC.VA.GOV]
Enter selection: 1  User      NEW PERSON
Select NEW PERSON NAME: CPRSPROVIDER, TEN              TC

----- Setting ORWT TOOLS MENU for User: CPRSPROVIDER, TEN -----
Select Sequence: 4
Are you adding 4 as a new Sequence? Yes//      YES
Sequence: 4//      4
Name=Command: Imaging=c:\cprs\exesave\arecvParam.exe S=%SRV P=%PORT
M=%MREF
```

When the user clicks "Imaging" from the Tools menu, Imaging will be called and the actual server, port, and global reference will be substituted as command line parameters.

## Automatic and User-Created Submenus

Previously, the ORWT TOOLS MENU enabled sites to place a maximum of 99 items on the tools menu, but with screen size, a lower number of items could be placed on the Tools menu before the menu would go off the screen. With the addition of submenus, the 99 items should now display on the screen.

### Automatically Created More... Submenus

If CAC or IRM personnel make entries for over 30 items, CPRS automatically creates submenus so that the menus do not exceed 30 items per menu or submenu. When the number of items entered without manual submenus exceed 30 items, CPRS automatically creates a submenu labeled "More...". Additional items entered with higher sequence numbers are then placed under the More submenu. If a user then adds more than 30

additional items (a total now of more than 60) another More... submenu is created from the first More... submenu.

### **User-Created Submenus**

In addition, users can create their own submenus to help them organize the items on their Tools menu. To manually create submenus on the Tools menu, users must place special text in the name and command values. Submenus must have Command text **SUBMENU ID**, where **ID** is a unique identifier for the submenu. Menu items belonging to the submenu must specify which submenu they belong to by appending [**ID**] after the caption.

Thus, the following entries create a Utilities submenu with 2 child items that bring up Notepad and the Calculator:

```
Utilities=SUBMENU 1
Calculator[1]=calc.exe
Notepad[1]=notepad.exe
```

```
Select OPTION NAME: ORMGR          CPRS Manager Menu
<CPM> Select CPRS Manager Menu Option: PE  CPRS Configuration (Clin
Coord)
<CPM> Select CPRS Configuration (Clin Coord) Option: GP  GUI Parameters
<CPM> Select GUI Parameters Option: TM  GUI Tool Menu Items
CPRS GUI Tools Menu may be set for the following:

      1   User          USR      [choose from NEW PERSON]
      2   Location      LOC      [choose from HOSPITAL LOCATION]
      2.5 Service      SRV      [choose from SERVICE/SECTION]
      3   Division      DIV      [choose from INSTITUTION]
      4   System        SYS      [CPRS28.FO-SLC.MED.VA.GOV]

Enter selection: 1  User      NEW PERSON
Select NEW PERSON NAME: CPRSPROVIDER,FO
      1   CPRSPROVIDER,FORTYFOUR          TR
      2   CPRSPROVIDER,FORTYTHREE         FTC
CHOOSE 1-2: 1  CPRSPROVIDER,FORTYFOUR  TR
----- Setting CPRS GUI Tools Menu   for User: CPRSPROVIDER,FORTYFOUR ---
-----
Select Sequence: 41
Are you adding 41 as a new Sequence? Yes//  YES

Sequence: 41//  41
Name=Command: Utilities=SUBMENU 2

Select Sequence: 42
Are you adding 42 as a new Sequence? Yes//  YES

Sequence: 42//  42
Name=Command: Calculator[2]=calc.exe

Select Sequence: 43
Are you adding 43 as a new Sequence? Yes//  YES

Sequence: 43//  43
Name=Command: Notepad[2]=notepad.exe
Select Sequence: <Enter>
```

To create a nested submenu, you create a submenu that belongs to another submenu's ID. For example, to create a nested submenu belonging the above Utilities submenu, you would do the following:

```
Utility Web Sites[2]=SUBMENU UtilWeb
Microsoft Tools[UtilWeb]=http:\\www.msdn.com
```

Submenu IDs at the end of a name are not displayed on the Tools menu—as long as a corresponding menu ID is found. If no Menu ID is found, the square brackets and included text will appear as part of the name on the Tools menu. This allows for existing bracketed text to remain displayed.

If two submenus share the same menu ID, the second submenu will be treated as belonging to the first menu.

Also, to create a divider, users can enter a name of a single dashes (hyphens or a single dash followed by a submenu id) to create a separator line in the menu or submenu. This is not new functionality, but may not have been previously documented.

```
CPRS GUI Tools Menu may be set for the following:

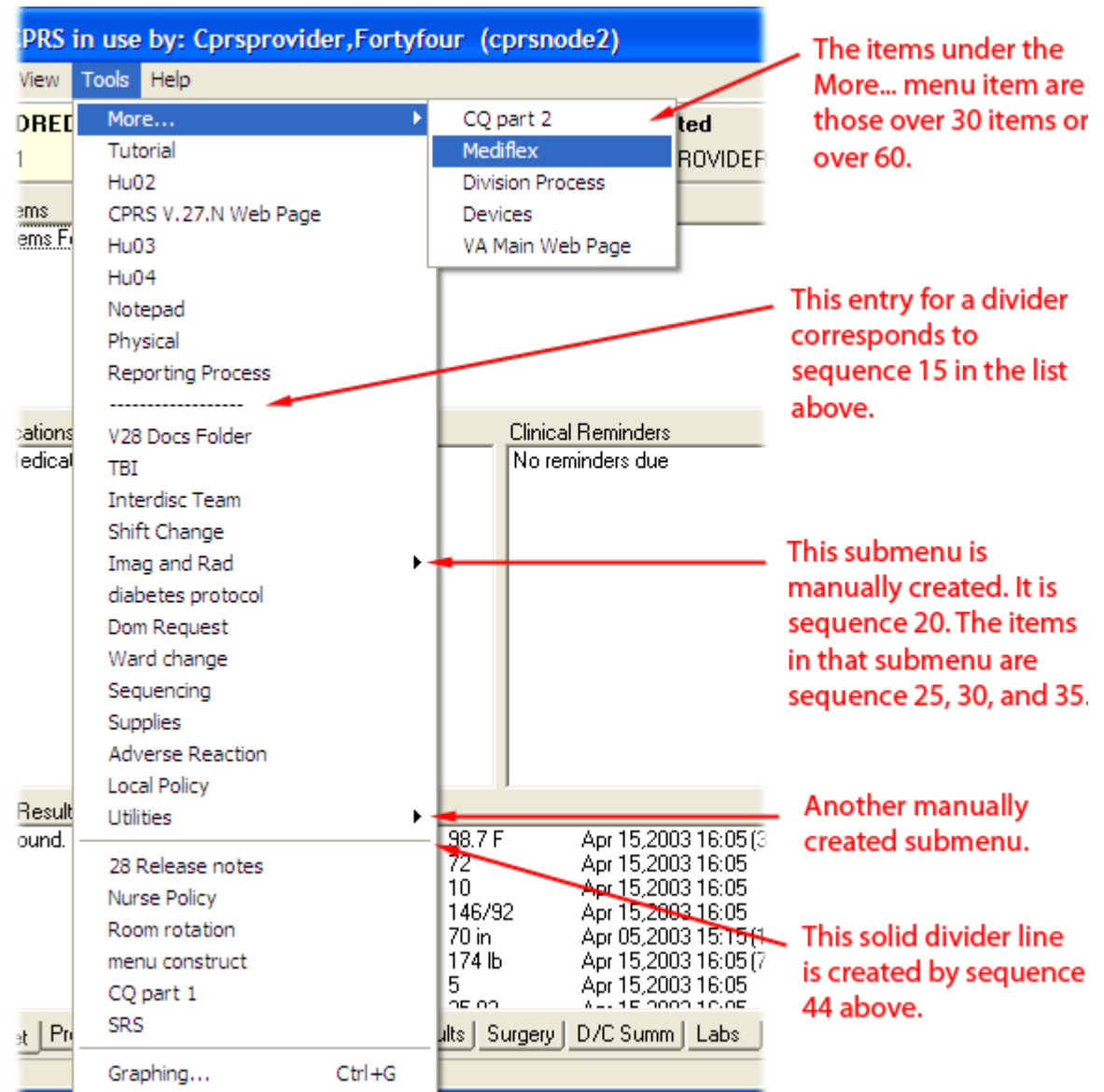
1  User      USR      [choose from NEW PERSON]
2  Location  LOC      [choose from HOSPITAL LOCATION]
2.5 Service  SRV      [choose from SERVICE/SECTION]
3  Division  DIV      [choose from INSTITUTION]
4  System    SYS      [CPRS28.FO-SLC.MED.VA.GOV]

Enter selection: 1  User      NEW PERSON
Select NEW PERSON NAME: cprspvprovider, fo
1  CPRSPROVIDER,FORTYFOUR      TR      COMPUTER SPECIALIST
2  CPRSPROVIDER,FORTYTHREE      FTC
CHOOSE 1-2: 1  CPRSPROVIDER,FORTYFOUR      TR      COMPUTER SPECIALIST

----- Setting CPRS GUI Tools Menu for User: CPRSPROVIDER,FORTYFOUR -----
Select Sequence: ?

Sequence  Value
-----
1          Tutorial="http://www.exampleurl.com/tutorial.htm"
3          Hu02=Hu02.exe
5          CPRS V.27.N Web Page=http://vista.med.va.gov/cprs/html/OR_3_296_test_
7          Hu03=Hu03.exe
8          Hu04=Hu04.exe
10         &Notepad=C:\windows\notepad.exe
12         Physical="http://anyexampleurl.med.org"
13         Reporting Process="\\server\docs\reporting\report.pdf"
14         -----=disabled on test system
15         V28 Docs Folder=\\server\OR_3_280
16         TBI="\\server\TBI\newprocedure.doc"
17         Interdisc Team="\\server\interdisciplinary team procedures.doc"
19         Shift Change="\\server\shiftchange.xls"
20         Imag and Rad=SUBMENU 1
22         diabetes protocol="\\server\lab ref range.docx"
23         Dom Request="\\server\docs\domiciliary request.doc"
25         Imaging[1]="C:\Program Files\Imaging\image.exe"
26         Ward change="\\server\docs\ward change procedures new.pdf"
27         Sequencing=segalinio.exe
30         Tomography[1]=tomography.exe
33         Supplies="http://www.exampleurlonly.com/supplies.html"
34         Adverse Reaction="http://www.exampleurl.com\advreac.html"
35         Radiology[1]= "\\server\policies\rad\2010-01-01rev.docx"
40         Local Policy="\\server\localpolicy"
41         Utilities=SUBMENU 2
42         Calculator[2]=calc.exe
43         Notepad[2]=notepad.exe
44         ==
45         28 Release notes="\\server\OR_3_280\or_3_280rn.doc"
50         Nurse Policy="\\server\docs\nursing policy.pdf"
55         Room rotation="\\server\room rotation.xlsx"
60         menu construct="\\server\OR_3_280\creating_sub_menus.doc"
65         CQ part 1="\\server\OR_3_280\cprs v28 cq 12-8-09.rtf"
70         SRS="\\server\OR_3_280\cprs srs v2.0.doc"
75         CQ part 2="\\server\OR_3_280\2010-01-12 v.28 CQ document.doc"
80         Mediflex="http://www.vaexampleonly.gov/mediflex.html"
85         Division Process="http://www.medintnews.exampleurl6.com"
90         Devices="http://exampleurl.vista.med.va.gov/devices.htm"
95         VA Main Internet Web Page=http://www.va.gov
```

The following screen captures shows what the tools menu would look like with the above entries made for a user.



This screen capture shows CPRS with the Tools menu displaying. CAC or IRM personnel at sites can create a listing of items to help users. When the number of items on a menu or submenu surpasses 30, CPRS automatically creates a More... submenu. This listing has dividers, links to applications, web pages, and documents.

#### To add a submenu to the Tools menu, do the following:

1. After logging in to the appropriate account using your terminal emulator software that you use to edit CPRS parameters, type **General Parameter Tools** and press **<Enter>**.
2. Select Edit Parameter Values by typing **EP** and pressing **<Enter>**.
3. At the select PARAMETER DEFINITION NAME: prompt, type **ORWT TOOLS MENU** and press **<Enter>**.

4. Select the appropriate level by typing the appropriate number from those listed and pressing **<Enter>**.

1	User	USR	[choose from NEW PERSON]
2	Location	LOC	[choose from HOSPITAL LOCATION]
2.5	Service	SRV	[choose from SERVICE/SECTION]
3	Division	DIV	[choose from INSTITUTION]
4	System	SYS	[CPRS28.FO-SLC.MED.VA.GOV]

5. If necessary, specify the user, location, service, or division that you want to set the Tools menu items for and press **<Enter>**.
6. At the Select Sequence: prompt, type a sequence number to edit an item or type an unused number to create a new sequence (entry) and press **<Enter>**.
7. At the Sequence: prompt, you can change the sequence number (where the item displays in the list) by typing a different number and pressing **<Enter>**, or to edit the item or create a new one, simply press **<Enter>**.
8. To create a submenu item, type the new entry using the format *NAME:=SUBMENU DESIGNATION* (the designation can be a word or number, for example, Imaging=SUBMENU 3) and press **<Enter>**.
9. To enter a new item, type a new entry using the format *NAME[DESIGNATION]=COMMAND* (for example, Dyes[3]=\\server\docs\dyes.pdf) and press **<Enter>**

### OR

To edit an existing entry, use the Replace/With feature to add the submenu designation to an item (such as Replace = With [3]=) and press **<Enter>**.

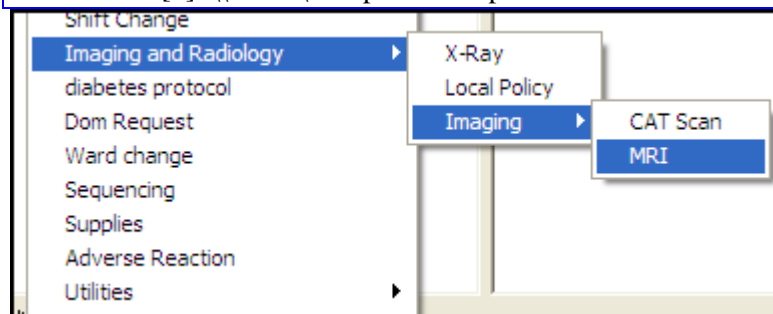
10. To add more items to a submenu, repeats step 9 until all appropriate items have been added.
11. To create another submenu, repeat steps 8 and 9.

An example of a submenu is:

```

10 Imaging and Radiology=SUBMENU 2
15 X-Ray[2]=\\server\docs\xray.pdf
20 Local policy[2]=\\server\docs\dyes.doc
25 Imaging[2]=SUBMENU 3
30 CAT Scan[3]= \\server\docs\tomograpy.pdf
35 MRI[3]=\\server\MRIprocedure.pdf

```



Nested submenus can help CAC or IRM personnel organize items on the Tools menus for users.



## Window Layout

When a user exits, the sizes and positions of major CPRS windows and controls are saved. The following parameters are used to store window settings:

**ORWCH BOUNDS** stores the left, top, width, and height pixel positions of a window, splitter, or display area (areas on the Meds tab). The internal window name is used to identify each instance of this parameter. For example, if user CPRSPROVIDER, TEN exits the main window in CPRS (frmFrame), a ORWCH BOUNDS parameter might be stored as:

1. Entity:               USR:CPRSPROVIDER,TEN
2. Instance:           frmFrame
3. Value:               0, 10, 730, 500

This would indicate that the window was to the left (left=0), 10 pixels from the top (top=0), 730 pixels wide and 500 pixels high.

Deleting an entry will reset the associated window or dialog to its default values. A value of all zeros (0,0,0,0) indicates that the window or dialog is maximized to fill the screen.

The following table lists the internal names that are commonly used with this parameter.

Name	Description
frmFrame	Main CPRS window (contains tabs, menus, header bar)
frmODAllergy	Allergy ordering dialog
frmODAuto	Auto-accept quick orders (normally not visible)
frmODCslt	Consult ordering dialog
frmODDiet	Diet ordering dialog
frmODGen	Dynamically created generic order dialog
frmODLab	Lab ordering dialog
frmODMedIV	IV ordering dialog
frmODMedIn	Inpatient medications ordering dialog
frmODMedOut	Outpatient medications ordering dialog
frmODMisc	Nursing orders dialog
frmODRad	Imaging ordering dialog
frmODVitals	Vitals ordering dialog
frmOMNavA	Order menu window
frmOMSet	Order set display
frmOMVerify	Verify order dialog
frmRemDlg	Reminders dialog

There are two internal names used with this parameter that store splitter positions, rather than window positions, with each value representing a different splitter position.

Name	Description
frmDrawerSplitters	Stores a different splitter value for drawer splitter position on the Notes, consults, and Discharge Summary tabs.
frmRemDlgSplitters	Stores two splitter positions for Reminder dialogs.

There are three internal names used with this parameter that store the sizes of inpatient, Non-VA Meds, and outpatient medication area. The left, top, width, and height pixel positions of each area are stored. If a user changes the sizes, the new values are stored in this parameter.

Name	Description
pnlMedIn	Stores the left, top, width, and height pixel positions of the inpatient medications display.
pnlMedOut	Stores the left, top, width, and height pixel positions of the outpatient medications display.
pnlNonVA	Stores the left, top, width, and height pixel positions of the Non-VA medications display.

**ORWCH WIDTH** stores the position of the splitter bar on most tabs. Usually the width of the left-most pane in the window is stored. Each instance is identified by the internal name of the window and control. A sample of this parameter could be:

1. Entity:                   USR: CPRSPROVIDER,TEN
2. Instance:   frmNotes.pnlLeft
3. Value:                 169

This would indicate that when the user last exited CPRS, the splitter bar on the notes tab was placed such that the left side (the list of notes) was 169 pixels wide.

The following tables list the internal names that are often used with this parameter.

Name	Description
frmConsults.pnlLeft	Consults tab, left side (list of consults)
frmDCSumm.pnlLeft	Discharge Summary tab, left side (list of summaries)
frmLabs.pnlLeft	Labs tab, left side (selection of report)
frmNotes.pnlLeft	Notes tab, left side (list of progress notes)
frmOrders.pnlLeft	Orders tab, left side (Order Sheets & Write Orders lists)
frmProblems.pnlLeft	Problems tab, left side (problem status & pick lists)
frmReports.pnlLeft	Reports tab, left side (list of reports)

**ORWCH COLUMNS** stores the width of columns for grid displays such as the medication lists. The width of individual columns is listed in a comma-delimited string. FormName.HeaderName identifies each instance. A sample of this parameter might be:

1. Entity:      USR: CPRSPROVIDER,TEN
2. Instance:   frmMeds.hdrMedsIn  
Value:           42,516,62,62

This would indicate that the column widths for the list of inpatient medications was last saved as Action = 42 pixels, Medication = 516 pixels, stop date = 62 pixels, and status = 62 pixels.

The following table lists the internal names that are often used with this parameter.

Name	Description
frmMeds.hdrMedsIn	Meds tab, inpatient medications list
frmMeds.hdrMedsOut	Meds tab, outpatient medications list
frmOrders.hdrOrders	Orders tab, orders list

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## Entering Time into CPRS Fields

CPRS generally allows users to enter time in several different formats. Users can often enter month-day-year dates (such as 05/01/65) or users can sometimes spell out the month (November 22, 2001) or as a date referenced from today (t-30 for a month in the past, today minus 30).

Users often can enter a time as well as a date. For tasks such as medication ordering and administration, entering a time can be critical. Times are entered as a 24-hour time, not with a 12-hour clock and an a.m. and p.m. For example, the time 8 a.m. is entered as 08:00:00, whereas 8 p.m. is entered as 20:00:00.

**Note:** The time 00:00 presents a challenge because it can be ambiguous as to when it is. To address this issue, CPRS changes the time of 00:00 to 00:01. This makes the time belong to a specific day, increasing clarity. Similarly, if a user selects Midnight, CPRS makes the time 23:59.

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## Timeouts

Two parameters control the timeout behavior of the CPRS GUI.

- **ORWOR TIMEOUT CHART** allows the CPRS GUI to have its own timeout, independent of DTIME. This is the number of seconds that CPRS should remain idle before timing out. This timeout applies only to the GUI version of CPRS and not to any other application. If it is not set, the value of DTIME is used.
- **ORWOR TIMEOUT COUNTDOWN** is used to specify how long the warning window should appear before a user times out. It is possible that a user could timeout in CPRS while using another application on the workstation. So a warning window with a countdown is displayed to the user. The value is the number of seconds for the countdown before CPRS is closed.

## Miscellaneous

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### Event Notification

CPRS broadcasts messages to notify other applications about events within CPRS, such as when a patient changes.

ORWOR BROADCAST MESSAGES

## Web Access

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When this parameter is set to yes, web links in the CPRS GUI will be disabled or hidden.

ORWOR DISABLE WEB ACCESS.

## Personal Preferences (GUI)

Personal Preferences are edited in the GUI version of CPRS using the Tools | Options menu. A user's configurations are primarily determined by settings in CPRS parameters in the Parameter file, while other defaults may use file settings or Kernel utilities. This outline shows which parameters are being used at the user level.

### General tab

Tab Element	Dialog Element	Field	Parameter(s)	Note
Date Range Defaults	Lab Results	Use Defaults (uses non-user defaults)	ORQQLR DATE RANGE INPT	
			ORQQLR DATE RANGE OUTPT	
		Inpatient days	ORQQLR DATE RANGE INPT	
		Outpatient day	ORQQLR DATE RANGE OUTPT	
	Appointments and Visits	Use Defaults (uses non-user defaults)	ORQQVS SEARCH RANGE START	When settings are stored: Both ORQQVS SEARCH RANGE START and ORQQAP SEARCH RANGE START store the same value. Both ORQQVS SEARCH RANGE STOP and ORQQAP SEARCH RANGE STOP store the same value.
			ORQQAP SEARCH RANGE STOP	
		Start	ORQQAP SEARCH RANGE START	
		Stop	ORQQAP SEARCH RANGE STOP	

Clinical Reminders		Reminders not being displayed		These are the entries from the REMINDER DEFINITION file (#811.9) except for entries that are used by the user (ORQQPX SEARCH ITEMS) or those that are not active.
		Reminders being displayed	ORQQPX SEARCH ITEMS	
Other Parameters	Chart tabs	Initial tab	ORCH INITIAL TAB	
		Use last selected tab on patient change	ORCH USE LAST TAB	

## Notifications tab

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Tab Element	Dialog Element	Field	Parameter	Note
		Send me a MailMan bulletin for flagged orders	ORB FLAGGED ORDERS BULLETIN	
		Surrogate Settings		
		Remove Pending Notifications	ORB ERASE ALL	(Used to allow removal.)
		Display Sort	ORB SORT METHOD	
		Notification List	ORB PROCESSING FLAG	

## Order Checks

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Tab Element	Dialog Element	Field	Parameter	Note
		Order Check List	ORK PROCESSING FLAG	
			ORK EDITABLE BY USER	

## List/Team

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Tab Element	Dialog Element	Field	Parameter	Note
Patient Selection Defaults	Patient Selection Defaults	List Source	ORLP DEFAULT LIST SOURCE	
		Sort Order	ORLP DEFAULT LIST ORDER	
		Start	ORLP DEFAULT CLINIC START DATE	
		Stop	ORLP DEFAULT CLINIC STOP DATE	
		Primary Provider	ORLP DEFAULT PROVIDER	
		Treating Specialty	ORLP DEFAULT SPECIALTY	
		Team/List	ORLP DEFAULT TEAM	
		Ward	ORLP DEFAULT WARD	

		Monday	ORLP DEFAULT CLINIC MONDAY	
		Tuesday	ORLP DEFAULT CLINIC TUESDAY	
		Wednesday	ORLP DEFAULT CLINIC WEDNESDAY	
		Thursday	ORLP DEFAULT CLINIC THURSDAY	
		Friday	ORLP DEFAULT CLINIC FRIDAY	
		Saturday	ORLP DEFAULT CLINIC SATURDAY	
		Sunday	ORLP DEFAULT CLINIC SUNDAY	
	Source Combinations	Combinations		User's definition of a combination list is stored in OE/RR PT SEL COMBO file (#100.24)
Personal Lists and Teams	Personal Lists	Clinic Date Range		This is only used to display patients for selection that have clinic appointments during this date range.
		New List (Name of personal list)		Adds entry to OE/RR LIST file (#100.21).
		Delete List		Removes entry to OE/RR LIST file (#100.21).
		Save Changes		Saves changes to OE/RR LIST file (#100.21).
	Teams Information	Remove yourself from this team		Removes user from multiple in OE/RR LIST file (#100.21)



		Subscribe to a team		Adds user to multiple in OE/RR LIST file (#100.21)
--	--	---------------------	--	--

## Notes tab

---

Tab Element	Dialog Element	Field	Parameter	Note
Notes		Interval for autosave	ORWOR AUTOSAVE NOTE	
		Ask subject for progress notes		Uses ASK SUBJECT FOR PROGRESS NOTES field in TIU PERSONAL PREFERENCES file (#8926).
		Verify Note Title	ORWOR VERIFY NOTE TITLE	
		Default Cosigner		Uses DEFAULT COSIGNER field in TIU PERSONAL PREFERENCES file (#8926).
Document Titles		Your list of titles		Titles for a class are from TIU DOCUMENT DEFINITION file (#8925.1) as determined from TIU PERSONAL DOCUMENT TYPE LIST file (#8925.98).
		Save changes		Save changes to TIU PERSONAL DOCUMENT TYPE LIST file (#8925.98).
		Set as Default only		Sets DEFAULT TYPE field in TIU PERSONAL DOCUMENT TYPE LIST file (#8925.98).

## Reports Tab

---

Tab Element	Dialog Element	Field	Parameter	Note
Set All Reports		Start Date	ORWRP TIME/OCC LIMITS ALL	
		Stop Date		
		Max		
Set Individual Report		Report Name	ORWRP TIME/OCC LIMITS INDV	
		Start Date		
		Stop Date		
		Max		

# Patient Selection Settings

## Patient List Settings

---

Patients can be selected by typing their name and then selecting the patient or by selecting the patient from lists. Algorithms protect against displaying sensitive or inappropriate data. Patient list settings can be controlled through the List Manager version of CPRS.

User defaults can be set to display patients from a particular source (Primary Provider, Treating Specialty, Team/List, Ward Clinic, or Combination). The user can define the defaults (e.g. a specific clinic, ward, and provider) for each of these sources. Clinic locations can be specific for different days of the week. The patients displayed for a clinic can be restricted to only show patients with appointments during a specific date range. The order the patients are displayed can also be defined (e.g. alphabetical, room/bed, etc.). Personal patient lists can be defined. Criteria for a combination list of patients can be defined (e.g., patients for specific clinics and providers). These settings can be made using the Personal Preference options available from the CPRS menus (not the GUI menus). These parameters are further explained in the Appendices D and E of this manual that define the parameters in CPRS.

## Notifications

---

The order in which notifications are displayed on the patient selection screen of the GUI depends on the parameter ORB SORT METHOD. This parameter can be set at the SYSTEM, DIVISION, and USER level. The possible sort fields are:

- P - Patient
- M - Message
- U - Urgency
- I - Info
- L - Location
- D - Date/Time
- F - Forwarded By/When

The sort order can be set using the Set Notification Display Sort Method (GUI) option on the Notification Management Menu [ORB NOT COORD MENU]. There should be no need to edit the parameter directly.

The urgency for any particular notification type can also be set from this menu, using the Set Urgency for Notifications (GUI) option. The urgency for a notification can be set at the USER, DIVISION, SERVICE, and SYSTEM levels. The combination of these two settings (urgency and sort order) allows a variety of methods for displaying the most important notifications for a given user.

# Graphing Configuration

The CPRS GUI 26 installation package includes new graphing functionality. Although graphing is enabled by default, to make the most of this functionality, you must configure graphing to use your site's data sources and reflect its business rules. The following sections provide instructions for:

- Disabling the graphing tool
- Disabling the background graphing processing for caching
- Identifying the data sources from which the graphing tool draws information
- Setting up selected users with a privilege that enables them to create, edit, and save predefined graphs—called public views—that are available to all users
- Creating graph reports (available on the **Reports** tab)

## Disabling CPRS Graphing

---

If you don't want to provide graphing functionality for users at your site, you—or someone who has programmer access (required)—can disable it.

**Take the following steps to disable graphing:**

1. Log into VistA.
2. From the General Parameter Tools [XPAR MENU TOOLS] menu, select `EP Edit Parameter Values`.
3. At the `Select PARAMETER DEFINITION NAME` prompt, type **ORWG GRAPH SETTING** and press the `<Enter>` key.
4. At the `Enter selection` prompt, type one of the following expressions: **Package, PKG, or 9**. Press the `<Enter>` key.
5. At the `Replace` prompt, type `@` and press the `<Enter>` key.

**To subsequently enable the graphing tool:**

1. Follow steps 1–4 above.
2. At the `Replace` prompt, type the following value:  
**63;53.79;55;55NVA;52;70;120.5|BCEFGHIK|1|4|90||100||**. (This value represents CPRS GUI 26 default settings for the ORWG GRAPH SETTING parameter.)

## Disabling CPRS Graphing Background Processing

---

CPRS graphing will sometimes cache patient data so that it improves the performance of displaying graph results to the user. This extra processing can sometimes slow the overall system performance. The processing is done in the background and restricted using a resource device - ORWG GRAPHING RESOURCE. This processing can be disabled or enabled at the System level.

**Take the following steps to disable graphing:**

1. Log into VistA.
2. From the General Parameter Tools [XPAR MENU TOOLS] menu, select `EP Edit Parameter Values`.

3. At the `Select PARAMETER DEFINITION NAME` prompt, type **ORWG GRAPH SETTING** and press the **<Enter>** key.
4. At the `Enter selection` prompt, type one of the following expressions: **System, SYS, or 8**. Press the **<Enter>** key.
5. At the `Replace` prompt, make the 6<sup>th</sup> | piece 0:

For example:

**63;53.79;55;55NVA;52;70;120.5|BCEFGHIK|1|4|90||100||.**

Replace 90||100 with 90|0|100

It will now be

**63;53.79;55;55NVA;52;70;120.5|BCEFGHIK|1|4|90|0|100||.**

#### To subsequently enable background processing of the graphing tool:

1. Follow steps 1–4 above.
2. At the `Replace` prompt, remove 0 as the 6<sup>th</sup> | piece:

For example:

**63;53.79;55;55NVA;52;70;120.5|BCEFGHIK|1|4|90|0|100||.**

Replace 90|0|100 with 90||100

It will now be

**63;53.79;55;55NVA;52;70;120.5|BCEFGHIK|1|4|90||100||.**

## Disabling Data Sources

---

CPRS graphing includes the following data sources, which are enabled by default:

Source	Type Value
Admissions	405
Allergies	120.8
Anatomic pathology	63AP
Blood bank	63BB
Exams	9000010.13
Health factors	9000010.23
Immunizations	9000010.11
Lab tests	63
Medication, BCMA	53.79
Medication, Inpatient	55
Medication, Non-VA	55NVA
Medication, Outpatient	52
Medicine	690

<b>Source</b>	<b>Type Value</b>
Mental health	601.2
Microbiology	63MI
Notes	8925
Orders	100
Patient education	9000010.16
Problems	9000011
Procedures	9000010.18
Purpose of visit	9000010.07
Radiology exams	70
Registration, DX	45DX
Registration, OP/Proc	450P
Skin tests	9000010.12
Surgery	130
Visits	9000010
Vitals	120.5

**The following two data types are for grouping:**

Drug class	500.605
Reminder Taxonomy	811.2

CPRS graphing uses the type value listed above for data mapping. If you want to disable one or more data sources—because your site doesn’t use them, they are politically sensitive, or they cause CPRS performance problems, for example—you use the type value to do so.

**Take the following steps to disable one or more data sources:**

1. Log into VistA.
2. From the General Parameter Tools [XPAR MENU TOOLS] menu, select `EP Edit Parameter Values`.
3. At the `Select PARAMETER DEFINITION NAME` prompt, type **ORWG GRAPH EXCLUDE DATA TYPE** and press the **<Enter>** key.
4. At the `Enter selection` prompt, type one of the following expressions: **System**, **SYS**, or **8**. Press the **<Enter>** key.
5. At the `Value` prompt, type the value types of each data source you want to exclude, separating each source with a semicolon. For example, type the following values to exclude laboratory tests and mental health assessments: **63; 601.2**. Press **<Enter>**.

**To enable all disabled data sources:**

1. Follow steps 1–4 above.
2. At the Value prompt, type @ and press the <Enter> key.

---

## Editing Public Display Options and Views

---

CPRS graphing provides users with the ability to set and save display options and create and save predefined views. CPRS always displays graphs with user-level settings if these settings exist. If they don't exist, CPRS displays graphs using public settings, which you or authorized users define at the system level. (Public views and settings are available to all of the users at your site, but only authorized users can create or alter these views and settings.)

CPRS stores all graph display settings using the ORWG GRAPH SETTING parameter. You can edit public settings by using the CPRS GUI. (See the “Configure Settings” section of *Computerized Patient Record System (CPRS) User Manual: GUI Version* for step-by-step instructions. This manual is available online at <http://www.va.gov/vdl>.)

Before you can save public settings and views, you must first add yourself as a value in the public-editor (ORWG GRAPH PUBLIC EDITOR) parameter.

**Take the following steps to add yourself and/or other (trusted) users to the public-editor class:**

1. Log into VistA.
2. From the General Parameter Tools [XPAR MENU TOOLS] menu, select EP Edit Parameter Values.
3. At the Select PARAMETER DEFINITION NAME prompt, type **ORWG GRAPH PUBLIC EDITOR** and press the <Enter> key.
4. At the Select Sequence Number prompt, type a sequence number and press the <Enter> key. (Type a question mark (?) at the prompt to determine the best sequence number. If no sequence numbers exist, type the number one (1) at the prompt.)
5. At the User Class prompt, type your user class or the user class of the person to whom you are providing public-editor privileges. Press the <Enter> key.
6. Repeat steps 4–7 as needed.

---

## Creating Graph Reports

---

If a significant number of users at your site frequently graph specific collections of items, you can incorporate these items in graph reports as a convenience to the users. That is, you can create graph reports and add them to the **Available Reports** list on the **Reports** tab. When users select graph reports, CPRS graphing opens to the selection of views that comprise the reports.

To create graph reports you must have:

- Permission to edit file number 101.24 (OE/RR REPORT)
- Permission to edit OR parameters
- Permission to create, edit, or remove public settings and views (through the ORWG GRAPH PUBLIC EDITOR parameter)

Before you add graph reports to the **Available Reports** list, you must first:

- Create the public views that you want to display as graph reports.
- Create individual graph reports
- Create a menu for graph reports
- Add the menu to the **Available Reports** list

## Creating Public Views

---

Each graph report can incorporate one or two public views. If you plan to combine two views in a single graph report, set one of the views to display in the bottom of a split-pane view. You can find step-by-step instructions for creating public views in *Computerized Patient Record System (CPRS) User Manual: GUI Version*. (Look for the “Creating Predefined Views” section of “Using CPRS Graphing.”) This manual is available online at <http://www.va.gov/vdl>.

## Creating Graph Reports

---

Your site’s graph reports must follow the conventions of file 101.24 (the OE/RR REPORT file).

**Take the following steps to create graph reports:**

1. Log in to VA FileMan.
2. At the `Select` option prompt, type the number **1** (for the `ENTER OR EDIT FILE ENTRIES` selection) and press the **<Enter>** key.
3. At the `INPUT TO WHAT FILE` prompt, type either **101.24** or **OE/RR REPORT** and press the **<Enter>** key.
4. At the `EDIT WHAT FIELD` prompt, type **ALL** and press the **<Enter>** key.
5. At the `Select OE/RR REPORT NAME` prompt, type a descriptive name for your report and press the **<Enter>** key. Your report name should begin with your site’s local namespace. For example, if your site’s namespace were **ZZ** and your report name were **DIABETES INDICATORS**, you would type the following report name: **ZZDIABETES INDICATORS**.
6. At the `Are you adding [your new report name] as a new OE/RR REPORT` prompt, type **YES** and press the **<Enter>** key.
7. At the `OE/RR REPORT NUMBER` prompt, accept the default next-available report number (which should be under 1000) by pressing the **<Enter>** key or type a different number for your report and press the **<Enter>** key. (The system will not



accept the number of an existing report unless you are editing the existing report.)

Numbers for your site's reports must be under 1000. Numbers over 1000 are reserved for national use. If you give your report a number that is greater than 1000, future patches will overwrite your entries.

8. At the OE/RR REPORT HEADING prompt, type the name of the graph report as you want it to appear in the **Available Reports** list and press the <Enter> key.
9. At the OE/RR REPORT DESCRIPTIVE TEXT prompt, type a word or phrase that describes the purpose of your graph report and press the <Enter> key.
10. At the ID prompt, type **OR\_GRAPHs** and press the <Enter> key.
11. Press the <Enter> key to bypass unneeded fields.
12. At the QUALIFIER prompt, type **DateTime** and press the <Enter> key.
13. Press the <Enter> key to bypass unneeded fields.
14. At the CATEGORY prompt, type **FIXED W/DATE** and press the <Enter> key.
15. At the TAB prompt, type **REPORTS TAB** and press the <Enter> key.
16. Press the <Enter> key to bypass unneeded fields
17. At the TYPE prompt, type **GRAPH** and press the <Enter> key.
18. Press the <Enter> key to bypass unneeded fields
19. At the DATE FORMAT prompt, type **DATE WITH TIME** and press the <Enter> key.  
Press the <Enter> key to bypass unneeded fields
20. At the PARAM 1 prompt, type the name of the first public view you want to associate with your graph report. Press the <Enter> key.
21. (Optional) If you want to associate a second public view with this graph report, type the name of the second public view at the PARAM 2 prompt and press the <Enter> key.
22. At the Replace prompt, type the caret symbol (^) and press the <Enter> key.

## Creating a Graph-Reports Menu

---

Take the following steps to create a menu for graph reports:

1. Log in to VA FileMan.
2. At the Select option prompt, type the number **1** (for the ENTER OR EDIT FILE ENTRIES selection) and press the <Enter> key.
3. At the INPUT TO WHAT FILE prompt, type either **101.24** or **OE/RR REPORT** and press the <Enter> key.
4. At the EDIT WHAT FIELD prompt, type **ALL** and press the <Enter> key.
5. At the Select OE/RR REPORT NAME prompt, type a descriptive name for your menu and press the <Enter> key. Your menu name should begin with your site's local namespace. For example, if your site's namespace were **ZZ** and your menu name were **GRAPHS**, you would type the following menu name: **ZZGRAPHS**.

6. At the Are you adding [your menu name] as a new OE/RR REPORT prompt, type **YES** and press the <Enter> key.
7. At the OE/RR REPORT NUMBER prompt, accept the default next-available report number (which should be under 1000) by pressing the <Enter> key or type a different number for your report and press the <Enter> key. (The system will not accept the number of an existing report or menu unless you are editing the report or menu.)  
  
Numbers for your site's menus must be under 1000. Numbers over 1000 are reserved for national use. If you give your menu a number that is greater than 1000, future patches will overwrite your entries.
8. At the OE/RR REPORT HEADING prompt, type the name of the menu as you want it to appear in the **Available Reports** list and press the <Enter> key.
9. At the OE/RR REPORT DESCRIPTIVE TEXT prompt, type a word or phrase that describes the purpose of your menu and press the <Enter> key.
10. At the ID prompt, type **OR\_GRAPHs** and press the <Enter> key.
11. Press the <Enter> key to bypass unneeded fields.
12. At the TAB prompt, type **REPORTS TAB** and press the <Enter> key.
13. Press the <Enter> key to bypass unneeded fields
14. At the TYPE prompt, type **MENU** and press the <Enter> key.
15. Press the <Enter> key to bypass unneeded fields
16. At the Select ITEM prompt, type the name or number of the first graph report and press the <Enter> key.
17. At the Are you adding [report name] as a new ITEM (the 1st for this OE/RR REPORT prompt, type **YES** and press the <Enter> key.  
  
Press the <Enter> key to bypass unneeded fields
18. Repeat steps 13–14 until you have added all graph reports as items to this menu.
19. Type the caret symbol (^) and press the <Enter> key.

## Adding Your Graph Menu to the Available Reports List

---

The following instructions are for adding a graph menu to the **Available Reports** list, which you do by editing the ORWRP REPORT LIST parameter. This parameter is available for all levels (package level to user level). However, CPRS displays in its **Available Reports** list only the items in the lowest level that has entries.

For example, if this parameter has 20 reports listed at the package level and no reports at any other level, CPRS displays for all users the reports listed at the package level. If you then add one report at the system level, CPRS displays to all users on the system only this one report. Similarly, if you add one report at the user level, CPRS displays for this user only the one report.

In other words, if you want to add a report to the system level and still display all of the reports listed at the package level, you must add the package-level reports to the system level, and so on down to the user level.

**Take the following steps to view a listing of reports entered at all levels:**

1. Log into VistA.
2. From the General Parameter Tools [XPAR MENU TOOLS] menu, select LV  
List Parameter Values.
3. At the Select PARAMETER DEFINITION NAME prompt, type **ORWRP  
REPORT LIST** and press the <Enter> key.
4. Save this list for future reference.

**Take the following steps to add menus and reports to the Available Reports list:**

1. Log into VistA.
2. From the General Parameter Tools [XPAR MENU TOOLS] menu, select EP  
Edit Parameter Values.
3. At the Select PARAMETER DEFINITION NAME prompt, type **ORWRP  
REPORT LIST** and press the <Enter> key.
4. At the Enter selection prompt, type the name or number of the level to  
which you want to add the menu or report and press the <Enter> key.
5. At the Select Sequence prompt, type an unused sequence number and press  
the <Enter> key. Sequence numbers determine the order in which CPRS  
displays reports. To determine which sequence numbers are unused, type a  
question mark (?) at the prompt.
6. At the Are you adding [number] as a new Sequence prompt, type  
**Yes** and press the <Enter> key.
7. Press the <Enter> key again to accept the sequence number.
8. At the Report prompt, type the name of the report you want to add and press  
the <Enter> key.
9. Repeat steps 5–8 until you have entered all menus and reports you want CPRS to  
display to users at the level you selected in step 4.

## Remote Data View Configuration

Remote Views allows you to review patient data that is collected at other facilities. Data can be retrieved from one, many, or all sites at which a patient has been seen. Those facilities must have Master Patient Index (MPI) installed. Remote Data Views use HL7 messaging and server-to-server connections with the RPC Broker. Health summaries can be used, but the retrieval site must have a health summary component of the same name. This means that nationally exported health summaries can be used. If sites wish to have specific types of health summaries available (e.g. VISN-specific patient reports), then those sites should coordinate the naming of those reports.

**Note:** The Adhoc health summary report and the imaging (local only) report (on the reports tab) will not return remote data. In addition, the Most Recent, Selected Tests by Date, Worksheet, and Graph lab report (on the labs tab) will not return remote data.

### Master Patient Index (MPI)

---

The Master Patient Index stores data about where and when patients are seen within the VA. The data as well as the location of the master record are transmitted to local facilities. This provides an index to where data has been stored. Data can be retrieved from these locations and viewed at any facility that has been configured for display.

### Configuring Remote Data Views

---

DEVICE file (#3.5)

DSM sites

NAME: DEC-NETWORK	\$I: SYS\$NET
LOCATION OF TERMINAL: DEC NETWORK DEVICE	
SUBTYPE: P-OTHER	TYPE: OTHER

TERMINAL TYPE file (#3.2)

NAME: P-OTHER	RIGHT MARGIN: 80
FORM FEED: #	PAGE LENGTH: 64
BACKSPACE: \$C(8)	DESCRIPTION: General printer (80 column)

Cache sites:

NAME: TCP/IP DEVICE	\$I:  TCP
ASK DEVICE: NO	ASK PARAMETERS: NO
SIGN-ON/SYSTEM DEVICE: NO	
LOCATION OF TERMINAL: TCP/IP DEVICE	
SUBTYPE: P-OTHER	TYPE: VIRTUAL TERMINAL

The following parameters may be set to control remote data:

- ORWRP CIRN REMOTE DATA ALLOW – Set to Yes to enable Remote Data button on the GUI. (User, Division, or System level)
- ORWRP CIRN SITES – Enter the facilities from which you want to allow data retrieval. (Division or System level)
- ORWRP CIRN SITES ALL – Set to Yes and users will see data from any site at which a patient has been seen. (Division or System level)

Tips:

- Test with just one site first
- Test with only a few users initially

## Security

---

The names of the users who view data will be stored in the remote site's database.

Sensitive record access will be audited, enabling a site to follow up on a record accessed by a remote location.

Parameters (as mentioned above) can be used to limit the users or sites that have access to retrievable data.

## Department of Defense Data

---

The following reports on the Reports tab can display remote data from the Department of Defense:

**Under the Clinical Reports heading:**

- Allergies
- Expanded ADT
- Consults (DoD remote data only)
- Discharge Summary
- Histories
  - Family History
  - Social History
  - Other Past Medical History
- Laboratory
  - Lab Orders
  - Chem & Hematology
  - Surgical Pathology
  - Cytology
  - Microbiology
- Outpatient Encounter
- Outpatient Medications
- Progress Notes
- All Problem List
- Questionnaires (DoD remote data only)

- Radiology Report
- Vital Signs

If CPRS cannot communicate with the Health Data Repository but RDI is enabled, CPRS will display the following in the order check window if order checks display: “Remote Order Checking not available – checks done on local data only”.

Under the Clinical Reports | Radiology heading:

- Report
- Status

Under the Clinical Reports | Pharmacy heading:

- Active Outpatient
- All Outpatient

## Overview of Clinical Indicators Data Capture

CPRS controls the entry of Clinical Indicators Data Capture (CIDC) information using two switches. When the switches are turned on, clinicians who hold the Provider key will enter diagnoses for orders. Two List Manager options on the OR BDC MENU control the switches:

- **OR BDC MASTER SWITCH**—The master switch turns on CIDC functionality at the system level. However, individual clinicians will not be prompted for CIDC information until the **OR BDC PROVIDER SWITCH** is enabled for individual clinicians holding the Provider key.
- **OR BDC PROVIDER SWITCH**—The provider switch must be assigned and enabled for each clinician that will use the CIDC features. The switch can be assigned and enabled for individual clinicians holding the Provider key one-at-a-time to allow for training or for all clinicians holding the Provider key at once. This switch can also be assigned and disabled for all those providers who do not have the switch assigned.

The following table shows how the two switches work together.

System Switch	Provider Switch	Is CIDC displayed?
On	Off	No
On	On	Yes
Off	On	No
Off	Off	No

### Enabling the Master Clinical Indicators Data Capture Switch

The master Clinical Indicators Data Capture (CIDC) switch turns on the features at the system level, but users will see no changes until **OR BDC PROVIDER SWITCH** is enabled for the individual clinicians.

**Note:** Because this switch turns on or off these features for the system, great caution should be used before disabling this feature. If this switch is turned off, the diagnoses will not be collected. You must have Clinical Coordinator privileges to enable this switch.

**To enable the master CIDC switch, use the following steps:**

1. In the List Manager interface, log in and type **OR BDC MENU** and press **<Enter>**.
2. Type **MS** and press **<Enter>**.

**Note:** When you choose this option, the application checks the status of the main CIDC switch and displays the status on the screen.

3. Check to make sure the switch is OFF. To enable the Main switch, type **E** and press **<Enter>**.
4. Type **Q** and press **<Enter>** to leave this option.

The following capture shows an example of how to turn on the main CIDC Switch.

```
Select OPTION NAME: OR BDC MENU          Billing Data Capture Configuration

MS      Billing Data Capture Master Switch
PP      Billing Data Capture By Provider Parameter

Select Billing Data Capture Configuration Option: MS  Billing Data
Capture Master Switch

Enable/Disable Billing Data Capture Master Switch

Billing Data Capture Master Switch is now * > OFF < *

    Select one of the following:

        E      Enable Billing Capture Functionality
        Q      Quit

Selection: E
```

## Disabling the Main Clinical Indicators Data Capture Switch

The main Clinical Indicators Data Capture (CIDC) switch can be turned off if there is ever a need.

**Note:** Because this switch turns on or off these features for the system, be careful about disabling this feature. If this switch is turned off, the order diagnoses will not be collected. You must have Clinical Coordinator privileges to disable this switch.

**To disable the main CIDC switch, use the following steps:**

1. In the List Manager interface, log in and type **OR BDC MENU** and press **<Enter>**.
2. Type **MS** and press **<Enter>**.  
**Note:** When you choose this option, the application checks the status of the main CIDC switch and displays the status on the screen.
3. Check to make sure the switch is ON. To disable the Main switch, type **D** and press **<Enter>**.
4. Type **Q** and press **<Enter>** to leave this option.



## Assigning, Enabling, Disabling, and Reporting on the Clinical Indicators Data Capture Provider Switch

---

To give providers the ability to enter Clinical Indicators Data Capture (CIDC), a coordinator or responsible person at each site must assign and enable this switch for individual providers. This switch (parameter) is somewhat different from other CPRS parameter because it is first assigned and then has a state of either enabled or disabled. CPRS provides the following methods to manage this switch:

- **Manage Parameter by Provider** - This option allows the user to search for a specific clinician who has the Provider key and then assign and enable or assign and disable the switch (parameter) if it is not yet assigned. If the switch has already been assigned to the clinician, the user can either enable it if it is disabled or disable it if it is enabled.
- **Assign Parameter and Enable for All Providers** - This option searches for all active clinicians who hold the Provider key that are not currently assigned the switch (parameter), assigns them the switch, and enables it.
- **Assign Parameter and Disable for All Providers** - This option searches for all active clinicians who hold the Provider key that are not currently assigned the switch (parameter), assigns them the parameter, but disables the parameter. A coordinator or responsible person at the site would then have to enable these providers one-at-a-time.

**Note:** With the main CIDC switch disabled, the only change users will see if the CIDC patches are installed is that they will not have to address service connection for all eligible patients, not just those with more than 50% service connection.

Coordinators can also run three reports:

- All active clinicians who hold the Provider key who have been assigned the switch and whether it is enabled or disabled
- Active clinicians who hold the Provider key with the switch enabled
- Active clinicians who hold the Provider key who have the switch but it is disabled

These reports show only active clinicians who hold the provider key and have been assigned the switch.

You must have Clinical Coordinator privileges to enable this switch and run the reports.

### Managing the CIDC Provider Switch for Individual Providers

To manage the provider switch for clinicians one at a time, use the following steps:

1. In the List Manager interface, log in and type **OR BDC MENU** and press **<Enter>**.
2. Type **PP** and press **<Enter>**.
3. To assign and enable or assign and disable the switch for an individual provider, type **M** and press **<Enter>**.
4. Enter the name of the individual that you want to complete CIDC information for the appropriate orders and press **<Enter>**. If more than one name appears, select the number for the appropriate person and press **<Enter>**.

The text will indicate if the provider you selected is enabled or disabled.

5. If the switch for the provider is not enabled and you want to enable the CIDC switch for this provider, the prompt will ask if you want to enable the switch for that provider and Yes will be the default, press **<Enter>**. If the provider is enabled and you want to disable the switch, the prompt will ask if you want to disable the switch, and Yes will be the default, press **<Enter>**.
6. To enable additional providers, repeat steps 4 and 5 until you have assigned it to all the clinicians who need it.
7. When you have enabled or disabled the switch for the necessary providers, press **<Enter>** until you exit the option.

The following capture shows enabling an individual provider the CIDC User Level Switch

```
Select OPTION NAME: OR BDC MENU          Clinical Indicator Data Capture
Configuration

    MS      Clinical Indicator Data Capture Master Switch
    PP      CIDC By Provider Parameter

Select Clinical Indicator Data Capture Configuration Option: PP  CIDC By
Provider Parameter

Enable Clinical Indicator Data Capture By Provider Parameter Management
Select Parameter Management Option

    Select one of the following:

        M      Manage parameter by provider
        E      Assign parameter and Enable for all providers
        D      Assign parameter and Disable for all providers
        L      List providers with the assigned parameter

Select Enable CIDC By Provider parameter option: Manage parameter by
provider

Clinical Indicator Data Capture By Provider Parameter Management

Select the provider to manage the parameter: CPRSPROVIDER,TEN

Clinical Indicator Data Capture By Provider Parameter Management
Edit Assigned CIDC Functionality Parameter of CPRSPROVIDER,TEN
CIDC Functionality for this provider is currently DISABLED

Enable CIDC Functionality (YES/NO)? YES//
```

## Enabling the CIDC Provider Switch for Multiple Providers Simultaneously

To help sites quickly enable a group of providers, CPRS gives sites an option to assign and enable the CIDC provider switch for all active clinicians who hold the Provider key and who currently do NOT have the switch assigned to them.

**Note:** This option does NOT enable any provider who already has the switch assigned it has been disabled.

**To enable the provider switch for all providers who do not have it assigned currently, use the following steps:**

1. In the List Manager interface, log in and type **OR BDC MENU** and press **<Enter>**.
2. Type **PP** and press **<Enter>**.
3. To assign and enable the switch for all providers who do not have the switch assigned currently, type **E** and press **<Enter>**.

**Note:** This option does NOT enable any provider who already has the switch assigned and it has been disabled. Users cannot disable these providers as a group after doing this, users must do it individually.

4. If you want to proceed and assign the switch to all active clinicians who hold the Provider key who do not have it assigned and enable the switch, type **YES** (you must type the entire word in all capital letters) and press **<Enter>**. If users do not want to proceed, type **NO** and press **<Enter>**.
5. When you have enabled it for the necessary providers, press **<Enter>** until you exit the option.

Example of assigning and enabling multiple providers simultaneously.

```
Select OPTION NAME: OR BDC MENU          Clinical Indicator Data Capture
Configuration

    MS      Clinical Indicator Data Capture Master Switch
    PP      CIDC By Provider Parameter

Select Clinical Indicator Data Capture Configuration Option: PP  CIDC By
Provider Parameter

Enable Clinical Indicator Data Capture By Provider Parameter Management
Select Parameter Management Option

    Select one of the following:

        M      Manage parameter by provider
        E      Assign parameter and Enable for all providers
        D      Assign parameter and Disable for all providers
        L      List providers with the assigned parameter

Select Enable CIDC By Provider parameter option: E  Assign parameter and
Enable for all providers

Enable Clinical Indicator Data Capture By Provider Parameter Management
Assign/Enable Parameter For All Active Providers Option

    Select one of the following:

        YES      Enter YES to begin process of assign/enable
        NO      Enter NO to cancel process of assign/enable and quit

105 active providers do not have this parameter assigned to them.
You have selected to assign the parameter and enable Clinical Indicator
Data Capture for all of these providers. This may take some time.
Are you sure you want to do this? (YES/NO - must be all cap): YES
```

## Assigning but Disabling the CIDC Provider Switch for Multiple Providers Simultaneously

CPRS gives an additional method to assign a group of clinicians who hold the Provider key the switch but disable the switch. This option also affects only active clinicians who hold the Provider key and who currently do NOT have the switch assigned to them.

**Note:** This option does NOT disable any provider who already has the switch assigned it has been disabled.

**To assign and disable the provider switch for all providers who do not have it assigned currently, use the following steps:**

1. In the List Manager interface, log in and type **OR BDC MENU** and press **<Enter>**.
2. Type **PP** and press **<Enter>**.
3. To assign but disable the switch for all active clinicians who hold the Provider key but who do NOT have the switch assigned currently, type **D** and press **<Enter>**.

**Note:** This option does NOT disable the switch for any provider who already has the switch assigned and it has been enabled. You cannot enable these providers as a group after doing this, you must do it individually.

4. If you want to proceed and assign the switch to all active clinicians who hold the Provider key but who do NOT have the switch assigned and disable it, type **YES** (you must type the entire word in all capital letters) and press **<Enter>**. If you do not want to proceed, type **NO** and press **<Enter>**.
5. When you have enabled it for the necessary providers, press **<Enter>** until you exit the option.

Example of assigning but disabling the switch for multiple provider simultaneously.

```
Select OPTION NAME: OR BDC MENU          Clinical Indicator Data Capture
Configuration

      MS      Clinical Indicator Data Capture Master Switch
      PP      CIDC By Provider Parameter

Select Clinical Indicator Data Capture Configuration Option: PP  CIDC By
Provider Parameter

Enable Clinical Indicator Data Capture By Provider Parameter Management
Select Parameter Management Option

      Select one of the following:

      M      Manage parameter by provider
      E      Assign parameter and Enable for all providers
      D      Assign parameter and Disable for all providers
      L      List providers with the assigned parameter

Select Enable CIDC By Provider parameter option: D  Assign parameter and
Disable for all providers

Enable Clinical Indicator Data Capture By Provider Parameter Management
Assign/Disable Parameter For All Active Providers Option

      Select one of the following:

      YES      Enter YES to begin process of assign/disable
      NO      Enter NO to cancel process of assign/disable and quit

105 active providers do not have this parameter assigned to them.
You have selected to assign the parameter and disable Clinical Indicator
Data Capture for all of these providers. This may take some time.
Are you sure you want to do this? (YES/NO - must be all cap): YES
```

## **Creating Reports on the CIDC Provider Switch**

CPRS provides three reports regarding who has the CIDC provider switch assigned and enabled and disabled.

- All active clinicians who hold the Provider key who are have been assigned the switch and whether it is enabled or disabled
- Active clinicians who hold the Provider key with the switch enabled
- Active clinicians who hold the Provider key who have the switch but it is disabled

These reports show only active clinicians who hold the provider key and have been assigned the switch.

You must have Clinical Coordinator privileges to enable this switch and run the reports.

### **Reporting on All Providers Assigned the Provider Switch and Its Status**

This option creates a report on all active providers who have the switch assigned and whether the switch is enabled and disabled.

**To run this report on all providers with the provider switch status, use the following steps:**

1. In the List Manager interface, log in and type **OR BDC MENU** and press **<Enter>**.
2. Type **PP** and press **<Enter>**.
3. Select the reporting option by typing **L** and press **<Enter>**.
4. Select All Providers with CIDC Parameter by typing **A** and pressing **<Enter>**.
5. When finished, press **<Enter>** until you exit the option.

Below is an example of how to run this report.

```
Select OPTION NAME: OR BDC MENU          Clinical Indicator Data Capture
Configuration

MS      Clinical Indicator Data Capture Master Switch
PP      CIDC By Provider Parameter

Select Clinical Indicator Data Capture Configuration Option: PP  CIDC By Provider
Parameter

Enable Clinical Indicator Data Capture By Provider Parameter Management
Select Parameter Management Option

    Select one of the following:

        M      Manage parameter by provider
        E      Assign parameter and Enable for all providers
        D      Assign parameter and Disable for all providers
        L      List providers with the assigned parameter

Select Enable CIDC By Provider parameter option: List providers with the assigned
parameter

Enable Clinical Indicator Data Capture By Provider Parameter Management
Assigned Parameter Report

    Select one of the following:

        A      All providers with CIDC parameter
        E      Only providers with CIDC enabled
        D      Only providers with CIDC disabled

Enter the search criteria: All providers with CIDC parameter
DEVICE: HOME//  ANYWHERE
```



An example of the report is shown below.

Clinical Indicator Data Capture By Provider Parameter Report Sep 00, 2004@00:00:00		
All Providers With Clinical Indicator Data Capture Parameter		
Provider	Section	Enabled
-----		
CPRSPROVIDER,FIVE	MEDICINE	Yes
CPRSPROVIDER,FOUR	MEDICINE	Yes
CPRSPROVIDER,NINE	IRM FIELD OFFICE	No
CPRSPROVIDER,ONE	INFORMATION RESOURCE MGMT	Yes
CPRSPROVIDER,SEVEN	MEDICINE	Yes
CPRSPROVIDER,SIX	IRM FIELD OFFICE	Yes
CPRSPROVIDER,TEN	INFORMATION RESOURCE MGMT	Yes
CPRSPROVIDER,THIRTY	MEDICINE	Yes
CPRSPROVIDER,THREE	IRM FIELD OFFICE	Yes
CPRSPROVIDER,TWO	IRM FIELD OFFICE	Yes
Run another report? N//		

### **Reporting on All CIDC Enabled Providers**

This option creates a report that lists all active providers who have the switch enabled.

**To run this report on all enabled providers, use the following steps:**

1. In the List Manager interface, log in and type **OR BDC MENU** and press **<Enter>**.
2. Type **PP** and press **<Enter>**.
3. Select the reporting option by typing **L** and press **<Enter>**.
4. Select Only Providers with CIDC Enabled by typing **E** and pressing **<Enter>**.
5. When finished, press **<Enter>** until you exit the option.

Below is an example of how to run this report and a sample report.

```
Select OPTION NAME: OR BDC MENU          Clinical Indicator Data Capture
Configuration

MS      Clinical Indicator Data Capture Master Switch
PP      CIDC By Provider Parameter

Select Clinical Indicator Data Capture Configuration Option: PP  CIDC By Provider
Parameter

Enable Clinical Indicator Data Capture By Provider Parameter Management
Select Parameter Management Option

    Select one of the following:

        M      Manage parameter by provider
        E      Assign parameter and Enable for all providers
        D      Assign parameter and Disable for all providers
        L      List providers with the assigned parameter

Select Enable CIDC By Provider parameter option: List providers with the assigned
parameter

Enable Clinical Indicator Data Capture By Provider Parameter Management
Assigned Parameter Report

    Select one of the following:

        A      All providers with CIDC parameter
        E      Only providers with CIDC enabled
        D      Only providers with CIDC disabled

Enter the search criteria: E  Only providers with CIDC enabled
DEVICE: HOME//  ANYWHERE

Clinical Indicator Data Capture By Provider Parameter Report
Sep 00, 2004@00:00:00

Only Providers With Clinical Indicator Data Capture Enabled

Provider                                Section                                Enabled
-----
CPRSPROVIDER,FIVE                      MEDICINE                                Yes
CPRSPROVIDER,FOUR                      MEDICINE                                Yes
CPRSPROVIDER,ONE                       INFORMATION RESOURCE MGMT              Yes
CPRSPROVIDER,SEVEN                     MEDICINE                                Yes
CPRSPROVIDER,SIX                       IRM FIELD OFFICE                       Yes
CPRSPROVIDER,TEN                       INFORMATION RESOURCE MGMT              Yes
CPRSPROVIDER,THIRTY                    MEDICINE                                Yes
CPRSPROVIDER,THREE                     IRM FIELD OFFICE                       Yes
CPRSPROVIDER,TWO                       IRM FIELD OFFICE                       Yes

Run another report? N//
```

### **Reporting on All CIDC Disabled Providers**

This option creates a report that lists all active providers who have the switch disabled.

**To run this report on all disabled providers, use the following steps:**

1. In the List Manager interface, log in and type **OR BDC MENU** and press **<Enter>**.
2. Type **PP** and press **<Enter>**.
3. Select the reporting option by typing **L** and press **<Enter>**.

4. Select Only Providers with CIDC Disabled by typing **D** and pressing **<Enter>**.
5. When finished, press **<Enter>** until you exit the option.

Below is an example of how to run the report for active providers who have the CIDC switch assigned and disabled and a sample report.

```

Select OPTION NAME: OR BDC MENU          Clinical Indicator Data Capture
Configuration

MS      Clinical Indicator Data Capture Master Switch
PP      CIDC By Provider Parameter

Select Clinical Indicator Data Capture Configuration Option: PP  CIDC By Provider
Parameter

Enable Clinical Indicator Data Capture By Provider Parameter Management
Select Parameter Management Option

    Select one of the following:

        M      Manage parameter by provider
        E      Assign parameter and Enable for all providers
        D      Assign parameter and Disable for all providers
        L      List providers with the assigned parameter

Select Enable CIDC By Provider parameter option: List providers with the assigned
parameter

Enable Clinical Indicator Data Capture By Provider Parameter Management
Assigned Parameter Report

    Select one of the following:

        A      All providers with CIDC parameter
        E      Only providers with CIDC enabled
        D      Only providers with CIDC disabled

    Select one of the following:

        A      All providers with CIDC parameter
        E      Only providers with CIDC enabled
        D      Only providers with CIDC disabled

Enter the search criteria: D  Only providers with CIDC disabled
DEVICE: HOME//  ANYWHERE

Clinical Indicator Data Capture By Provider Parameter Report
Sep 30, 2004@17:58:16

Only Providers With Clinical Indicator Data Capture Disabled

Provider                               Section                               Enabled
-----
CPRSPROVIDER,FIVE                     MEDICINE                             No
CPRSPROVIDER,FOUR                     MEDICINE                             No

Run another report? N//

```

## SNOMED to Describe Problems in CPRS

CPRS implemented the Systematized Nomenclature of Medicine concept terms (SNOMED CT) so that clinicians can describe the problems the patient is experiencing using terms more familiar to them. CPRS also uses the International Classification of Diseases (ICD) coding system version 9. However, while the ICD system is more weighted toward billing codes, the SNOMED system was created by the College of American Pathologists (CAP) and is therefore, more clinical in nature. The implementation of SNOMED CT codes is also to help transition to version 10 of the International Classification of Diseases (ICD) coding system.

SNOMED contains a fairly comprehensive set of codes. However, in an effort to make it even more complete and useful to VA clinicians, developers have included two ways to update mappings for 799.9 (Other unknown or unspecified cause) ICD-9 codes and to get new terms added to the SNOMED clinical subset that CPRS uses.

### A New Mail Group for Term Review

When a clinician searches for the correct term for a patient's problem, the look up and extended search may not find the term that the clinician wants. If the extended search fails, the clinician has the option to request that a new term be added to the clinical subset. Before this request is sent to the Standards and Terminology Services (STS) team, CPRS first sends it to the local OR CACS mail group, for them to review whether the site agrees that a new term should be requested. If the person reviewing the request agrees, the person can submit a new term request by going to the following web site and following the instructions there: <http://vista.med.va.gov/ntrt>.

During the installation process for CPRS GUI v.29, one of the questions prompts the person installing the patch to designate the Mail Group Coordinator for the OR CACS mail group as shown below:

```
This Distribution was loaded on Oct 03, 2011@13:40:39 with header of
CPRS29V2 AND REQUIRED PATCHES ;Created on Aug 31, 2011@09:29:58
It consisted of the following Install(s):
OR GMPL GMTS 29 1.0      GMPL*2.0*36      GMTS*2.7*86      OR*3.0*306
Checking Install for Package OR GMPL GMTS 29 1.0
Will first run the Environment Check Routine, ORYCHKE

Install Questions for OR GMPL GMTS 29 1.0

Checking Install for Package GMPL*2.0*36

Install Questions for GMPL*2.0*36

Incoming Files:

    125.99      PROBLEM LIST SITE PARAMETERS (Partial Definition)
Note: You already have the 'PROBLEM LIST SITE PARAMETERS' File.

    9000011     PROBLEM (Partial Definition)
Note: You already have the 'PROBLEM' File.

Want KIDS to Rebuild Menu Trees Upon Completion of Install? NO//

Checking Install for Package GMTS*2.7*86
```

```

Install Questions for GMTS*2.7*86

Checking Install for Package OR*3.0*306

Install Questions for OR*3.0*306

Incoming Mail Groups:

Enter the Coordinator for Mail Group 'OR CACS': PROGRAMMER,ONE//
PROGRAMMER,ONE
WARD          Salt Lake City      UTAH          PO              COMPUTER PROGRAMMER

Want KIDS to Rebuild Menu Trees Upon Completion of Install? NO//

Want KIDS to INHIBIT LOGONs during the install? NO//
Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//

```

The user entered at this prompt will be able to manage the OR CACS mail group, adding and removing members as needed.

## Adding Members to the OR CACS Mail Group

After the installation completes, the user designated during installation as the OR CACS mail group coordinator will need to go in to the [XMMGR-MAIL-GRP-COORDINATOR] option to specify who the members of the group will be.

**Note:** You may need to add as XMMGR-MAIL-GRP-COORDINATOR as a secondary menu for the user designated as the OR CACS mail group coordinator.

The people added to this group will receive the bulletins that will be sent out when new terms are created. Below is an example of adding members to this mail group.

```

Select OPTION NAME: XMMGR-MAIL-GRP-COORDINATOR      Mail Group
Coordinator's Ed
it
Mail Group Coordinator's Edit

Select MAIL GROUP NAME: OR CACS
Select MEMBER: CPRSCAC,TEN// ?
    Answer with MEMBER:
    CPRSCAC,TEN

    You may enter a new MEMBER, if you wish
    Enter a local user who should receive mail addressed to this
group.
    User must have an access code and a mailbox.

    Answer with NEW PERSON NAME, or INITIAL, or SSN, or VERIFY CODE, or
    NICK NAME, or SERVICE/SECTION, or DEA#, or VA#, or ALIAS, or NPI
Do you want the entire NEW PERSON List?
Select MEMBER: CPRSCAC,TEN // CPRSCAC
1   CPRSCAC,EIGHT      NE      NURSE
2   CPRSCAC,EIGHTEEN   NE      NURSE
3   CPRSCAC,ELEVEN     NE      NURSE
4   CPRSCAC,FIFTEEN    NF      NURSE
5   CPRSCAC,FIFTY      NF      NURSE

```

```

Press <RETURN> to see more, '^' to exit this list, OR
CHOOSE 1-5: 1  CPRSCAC,EIGHT          NE          NURSE
Are you adding "
'CPRSCAC,EIGHT' as a new MEMBER (the 2ND for this MAIL GROUP)? No
// Y (Yes)
TYPE: ?
Choose from:
C          CC
I          INFO
TYPE: <Enter>
Select MEMBER: NURSE,NINE
1  NURSE,NINE          NN          NURSE
2  NURSE,NINETEEN      NT          NURSE
CHOOSE 1-2: 1  NURSE,NINE          NN          NURSE
Are you adding 'NURSE,NINE' as a new MEMBER (the 3RD for this MAIL
GROUP)? No/
/ Y (Yes)
TYPE: <Enter>
Select MEMBER: NURSE,TEN          NT          NURSE
Are you adding 'NURSE,TEN' as a new MEMBER (the 4TH for this MAIL
GROUP)? No//
Y (Yes)
TYPE: <Enter>
Select MEMBER: <Enter>
Select MEMBER GROUP NAME: <Enter>

Do you wish to forward past mail group messages
to the user(s) you just added to the mail group(s)? No// YES ← This is
optional, but it fills the new members in...

You will now choose a date range for the messages to be searched
and forwarded. The oldest message is from 2/5/2010.

Message sent on or after: (2/5/2010 - 10/3/2011): 10/3/2010// <Enter>
(OCT 03, 2010)
Message sent on or before: (10/3/2010 - 10/3/2011): 10/3/2011// <Enter>
(OCT 03, 2011)

Task #460520 will find and forward past messages.

Select MAIL GROUP NAME: <Enter>

```

## NTRT Request Bulletin Sent to OR CACS Mail Group

After the creation of the mail group and installation of the necessary patches, when a user does a Problem List Extended Search that fails to find any candidate term, and the user chooses to enter an NTRT request, CPRS send the members of the OR CACS mail group a bulletin for a new term request that looks something like this:

```

Subj: NEW PROBLEM/DIAGNOSIS TERM REQUEST  [#106396] 10/03/11@14:13  33
lines
From: OR PROBLEM NTRT BULLETIN  In 'IN' basket.  Page 1  *New*
-----
*** New Problem/Diagnosis Term Request ***

Requested term: Steamroller Blues
Date/Time of request: 10/3/11@14:13
Name of requester: CPRSPROVIDER,FIFTY
Service: INFORMATION SYSTEMS CENTER
Location: ZZ ALBANY-PRRTP(500PA)

A New Term Rapid Turnaround (NTRT) mail message has been sent to you
because a user from your facility has failed to find a suitable term
after initiating the search options within the Problem List application

```

and has chosen to request a new term to be added to the Problem List subset.

Please review the requested term and verify it is understandable, clinically useful, and does not already exist within the Problem List subset. If the term is found appropriate, then submit a NTRT request at the NTRT website, <http://vista.med.va.gov/ntrt/>. Follow the link to Access the NTRT Request Web Site.

The Problem List domain steward will review each request and respond to you with the outcome of this request. If the term is approved by the Problem List NTRT committee it will be added to the Problem List subset and made available within future searches.

The progress of this request may be monitored by accessing the NTRT website at the NTRT website.

If you have questions, need more information, or are having accessibility problems with this website, please contact STS by Exchange E-Mail: [VHA OI HDI STS NTRT].

Thank-you.

After conferring with local subject matter experts (SMEs) to determine if the site concurs with sending an NTRT request, the site designee will log in to the NTRT web site and file the NTRT Request.

## Automatic Update for 799.9 Codes

The bulletin for selection of an Unmapped term from the Clinical Findings Hierarchy of SNOMED CT, which is generated when the user selects a term from the extended search that's mapped only to ICD-9-CM 799.9, will not go to the OR CACS mail group by default (because they really don't need to do anything in this case). Instead, the bulletin will go directly to the G.PROBLEM LIST [NTRT@FORUM.VA.GOV](mailto:NTRT@FORUM.VA.GOV) mail group. If the site wants to review these bulletins, the site's coordinator can edit the MAIL GROUP multiple of the GMPL PROBLEM NTRT BULLETIN to include the OR CACS mail group. This can be done either using VA FileMan, or the option [XMEDITBUL].

**WARNING:** Do not to modify anything other than adding the mail group.

The dialog looks like this:

```
Select OPTION NAME: XMEDITBUL          Bulletin edit
Bulletin edit

Select BULLETIN NAME: GMPL PROBLEM NTRT BULLETIN
NAME: GMPL PROBLEM NTRT BULLETIN  Replace <Enter>
SUBJECT: UNMAPPED PROBLEM/DIAGNOSIS NTRT REQUEST  Replace <Enter>
Select MAIL GROUP: ?
    You may enter a new MAIL GROUP, if you wish
    To which mail group should this bulletin be sent?

    Answer with MAIL GROUP NAME
Do you want the entire 381-Entry MAIL GROUP List?
    You may enter a new MAIL GROUP, if you wish
    ANSWER MUST BE 3-30 CHARACTERS IN LENGTH

Select MAIL GROUP: OR CACS
    Are you adding 'OR CACS' as a new MAIL GROUP (the 1ST for this
BULLETIN)? No//
Y (Yes)
Select MAIL GROUP: <Enter>
RETENTION DAYS: ^
Select BULLETIN NAME: <Enter>
```

And the bulletin will look something like this:

```
Subj: UNMAPPED PROBLEM/DIAGNOSIS NTRT REQUEST  [#99765] 09/21/11@13:17
41 lines
From: GMPL PROBLEM NTRT BULLETIN  In 'IN' basket.    Page 1
-----
-----
*** Unmapped Problem/Diagnosis NTRT Request ***

Selected SNOMED CT term: Louse-borne typhus
Selected SNOMED CT ID: 39111003
  Name of requester: CPRSPROVIDER,FORTY
  Date/Time of request: 9/21/11@13:17
    Service: INFORMATION SYSTEMS CENTER
    Location: ZZ ALBANY-PR RTP (500PA)
    Search History: Louse-borne

A New Term Rapid Turnaround (NTRT) mail message has been sent to the
Standards & Terminology Services (STS) team, and the site coordinator has
been copied on the message thread. This is informational only and no work
is required by the site coordinator for processing of this request.

This request is generated when a user from the listed facility selects a
valid SNOMED CT problem/diagnosis from the extended search option when
the initial search does not find a suitable term. The selected
problem/diagnosis already has a SNOMED CT ID, but it will be assigned a
temporary ICD-9-CM code of 799.9 until a correct ICD-9-CM code is
assigned

After the SNOMED CT problem/diagnosis term is mapped to a valid ICD-9-CM
code or set of codes, it will be deployed through the NTRT process and
become available for selection by all users who use the search function
within the Problem List application. The ICD-9-CM code 799.9 will be
automatically updated to the correct ICD-9-CM code after the NTRT
deployment and will display in the detail view of the patient's problem
on the Problem List tab.

The status and progress of this request may be monitored by accessing the
NTRT Web site at http://vista.med.va.gov/ntrt/. Follow the link to
Access the NTRT Request Web Site. This mail message is provided to site
coordinators as information only, since the Problem List domain steward
will be responsible for resolving the unmapped problem/diagnoses
requests.

If you have questions, need more information, or are having accessibility
problems with this Web site, please contact STS by Exchange email: [VHA
OI HDI STS NTRT].

Thank you.
```



# Cover Sheet Settings

## Background / Foreground Retrieval

The CPRS Cover Sheet may be populated by a foreground process. You must wait until this process is complete before moving to other activities. Populating the cover sheet with a background process allows the user to perform other chart activities while the cover sheet loads. There is some Taskman overhead in using the background process, so the cover sheet will not load as fast. The allergies list box always loads in the foreground. The parameter, ORWOR COVER RETRIEVAL, controls which of the other list boxes on the cover sheet load in the background. No matter how many sections are selected to load in the background, only *one* background process is used to load the cover sheet. The following table lists the sections of the cover sheet along with the default value for background loading as exported by CPRS. You may override these settings by setting the parameter at the system level.

Section	Default Value	Description
Allergies/Adverse Reactions	No	Load in foreground
Problem List	No	Load in foreground
Postings	No	Load in foreground
Medications	No	Load in foreground
Reminders	Yes	Load in background
Lab Results	Yes	Load in background
Vitals	No	Load in background
Encounters	Yes	Load in background

To set any of these sections to load in the background, set the parameter ORWOR COVER RETRIEVAL for that section to “Yes.” To load a section in the foreground, set the parameter for that section to “No.” If you wish to change the exported setting for any section, it is best to set all sections. This will allow you to see exactly what is set.

*Example: Load all sections of the cover sheet in the foreground.*

```
Select General Parameter Tools Option: EP  Edit Parameter Values
      --- Edit Parameter Values ---
Select PARAMETER DEFINITION NAME: ORWOR COVER RETRIEVAL      Cover Sheet
Retrieval Mode
--- Setting ORWOR COVER RETRIEVAL  for System: ROX-KCM.ISC-SLC.VA.GOV ---
Select Section: Problem List
Section: Problem List//      Problem List
Background Retrieval: YES// NO
Select Section: CWAD (Postings)
Section: CWAD (Postings)//      CWAD (Postings)
Background Retrieval: NO//
Select Section: Medications
Section: Medications//      Medications
```

```

Background Retrieval: YES// NO
Select Section: Reminders
Section: Reminders//      Reminders
Background Retrieval: YES// NO
Select Section: Lab Results
Section: Lab Results//      Lab Results
Background Retrieval: YES// NO
Select Section: Vitals
Section: Vitals//      Vitals
Background Retrieval: YES// NO
Select Section: Encounters
Section: Encounters//      Encounters
Background Retrieval: YES// NO
Select Section:

```

When the cover sheet is loaded in the background, a resource device is used to limit the number of background processes that are committed to loading cover sheets. The resource device is ORW THREAD RESOURCE. It is exported with nine slots. If an error occurs while loading the cover sheet, it is possible that all the slots could become unavailable. When this happens, use the option “Monitor Taskman”(XUTM ZTMON) on the TaskMan Management menu to show tasks waiting for the ORW THREAD RESOURCE DEVICE:

```

Checking Taskman.    Current $H=58337,48570   (Sep 00, 2000@13:00:00)
                   RUN NODE=58337,48567   (Sep 00, 2000@13:00:00)
Taskman is current..
Checking the Status List:
  Node      weight  status      time      $J
OER:CACHE          RUN      T@13:00:00  262      Main Loop

Checking the Schedule List:
  Taskman has no tasks scheduled.
Checking the IO Lists:  Last TM scan: 1 sec,
  Device: ORW THREAD RESOURCE is not available, with one task waiting.
  Device: |LAT|ISC504:LOOP: is not available, with 3 tasks waiting.
  Device: |LAT|ISC504:LTA35: is not available, with one task waiting.
Checking the Job List:
  There are no tasks waiting for partitions.
Checking the Task List:
  There is 1 task currently running.
  On node OER:CACHE there are 3 free Sub-Manager(s). Run
  On node OER:NTA there are no free Sub-Manager(s). Run
Enter monitor action: UPDATE//

```

To clear the resource device, use Clear One Resource on the Device Management menu to clear each slot. Start with the highest numbered slot and work back to the lowest number to avoid inadvertently clearing a slot that is in actual use.

```

Select Device Management Option: CLEAR ONE Resource
Select RESOURCE NAME: ORW THREAD RESOURCE
Select SLOTS IN USE SLOT IN USE: 9
Select Device Management Option: CLEAR ONE Resource
Select RESOURCE NAME: ORW THREAD RESOURCE
Select SLOTS IN USE SLOT IN USE: 8
Select Device Management Option: CLEAR ONE Resource
Select RESOURCE NAME: ORW THREAD RESOURCE
Select SLOTS IN USE SLOT IN USE: 7
etc....

```

It is important to find the source of the error and fix it. Since the cover sheet calls into a wide variety of packages, the error could be in almost any namespace.

## Content Criteria

---

The criteria for determining what gets loaded into each section of the cover sheet are listed below. Certain sections are affected by parameter settings. To set Cover Sheet parameters, use the “CPRS Configuration (Clin Coordinator)” menu option then “GUI Parameters” and then “GUI Cover Sheet Display Parameters” on the CPRS Configuration menu to set Cover Sheet parameters. These parameters may be set for the system, a division, a service, a location, or an individual user.

### Problem List

Currently active problems are shown in the list.

### Allergies

CPRS displays all allergies and reactions.

### Postings

All currently active postings are shown.

### Medications

If the patient is an outpatient, outpatient prescriptions are shown. If the patient is an inpatient, inpatient medications are shown. Only medications with the following statuses appear in the list:

- Active
- Drug Interactions
- Hold
- Incomplete
- Non-verified
- On Call
- Pending
- Provider Hold
- Refill
- Suspended

Medications that are not active (discontinued, expired, etc.) are not shown in the list. The medications on the list are displayed in inverse chronological order by the time of the order. In other words, they are listed from newest medication order to oldest medication order.

### Reminders

The parameter, ORQQPX SEARCH ITEMS, controls which reminders are displayed on the Cover Sheet. After the reminders contained in ORQQPX SEARCH ITEMS are evaluated, those that are due are displayed. For sites with complex cover sheet reminder needs, a more comprehensive mechanism is available for defining cover sheet reminders (see the New Cover Sheet Reminder List section).

## **Lab Results**

Lab orders that have been completed within the preceding number of days are listed. ORQQLR DATE RANGE INPT is used where the patient is an inpatient. The default value is two days. ORQQLR DATE RANGE OUTPT is used where the patient is an outpatient. The default value is 30 days. When changing the value of these parameters, caution should be used to not make the length of time too great. It can cause performance problems and memory allocation errors if a patient has a large number of lab orders and the time range is large.

## **Vitals**

The most recent vital measurements are listed.

## **Visits/Admissions**

Appointments and admissions that occur within a preset time frame are listed. The time frame is determined by the value of the parameters, ORQQVS SEARCH RANGE START and ORQQAP SEARCH RANGE STOP. ORQQVS SEARCH RANGE START identifies the beginning date for appointments and admissions. This date should be relative to the current date, entered as "T-n" where T is today and n is the number of days in the past. ORQQVS SEARCH RANGE STOP identifies the ending date for listing appointments and admissions. It should be entered as a relative number of days. CPRS is delivered with the beginning date set to "T-90" and the ending date set to "T".

# Problem Tab Settings

## Default Views

---

The user's default view on the Problems tab is determined by two different settings.

Both the GUI and the List Manager versions of CPRS use the ORCH CONTEXT PROBLEMS parameter. Its value can be set at the SYSTEM and USER levels. The parameter takes the form of a semicolon-delimited string, with the different pieces meaning as follows:

a;b;c;d;e            (example: T-180;T;A;1;1329)

- a        Begin date
- b        End date
- c        Status (A = active, I = inactive, B = both, R = removed)
- d        If "1", show all comments as default
- e        Provider internal entry number

The user-level value for this parameter can be set using the **View | Filter** menu and saving the selected settings as the default. There should be no need to edit the parameter directly at the user level.

Both the GUI and List Manager versions of CPRS use the PROBLEM LIST PRIMARY VIEW field (#125) of the NEW PERSON (#200) file. The contents of the field determine whether the outpatient (clinics) or inpatient (services) view of the problem list will be used, and can also be used to specify clinics or services to include in the list. The field will contain a "C" or "S," followed by a list of internal entry numbers of clinics and services, separated by a forward slash ( / ) and ending with a trailing forward slash. Here is an example, excerpted from a VA FileMan INQUIRE into the NEW PERSON file for a user:

PROBLEM LIST PRIMARY VIEW: C/4/5/

- "C" indicates outpatient (Clinics) view should be used. "S" indicates that the inpatient (Services) view should be used.
- "4" and "5" are pointers to default clinics or services (depending on "C" or "S") to include in the view. Others will be hidden. If none are specified, all will be shown.

For users of the GUI, it is best to use the **View | Filter** menu to set this field. Save as Default will update it with the selected view and clinics or services to include. Because it is stored in the NEW PERSON file, it is applicable only to the individual user.

## Setting Up Problem Pick Lists

---

To create, maintain, customize, and assign problem selection lists for users, use the GMPL MGT MENU option, “Create Problem Selection Lists | Build Problem Selection Lists.” The following sub-options are available, and are documented in the manuals for the Problem List package:

- Build Problem Selection List(s)
- Copy Selection List from IB Encounter Form
- Assign Selection List to User(s)
- Remove Selection List from User(s)
- Delete Problem Selection List

A named LIST is made up of CATEGORIES. These categories appear in the upper list box if the user is assigned a default list.

A CATEGORY contains specific PROBLEMS. These problems appear in the lower list box when a category is selected in the upper list box.

Affected files include:

- PROBLEM SELECTION LIST (#125) - the named lists, and optionally, an associated clinic for each. If the current user has no default list defined, but the current encounter location appears in the CLINIC field of an entry in this file, the categories will also appear based on that setting.
- PROBLEM SELECTION LIST CONTENTS (#125.1) - categories contained in each named list.
- PROBLEM SELECTION CATEGORY (#125.11) - category names.
- PROBLEM SELECTION CATEGORY CONTENTS (#125.12) - problems contained in each category.
- NEW PERSON (#200), “125.1” field PROBLEM SELECTION LIST - pointer to PROBLEM SELECTION LIST (#125) file for the user.

### File 125.99 - Problem List Site Parameters

To modify entries in this file, use the menu option GMPL MGT MENU - Edit PL Site Parameters. Changes made to these settings will affect ALL users. The settings included are as follows:

- VERIFY TRANSCRIBED PROBLEMS. Does your site require verification of problems entered by holders of the OREMAS key?
- PROMPT FOR CHART COPY. This setting is not used by the GUI version.
- USE CLINICAL LEXICON. Does your site use the Clinical Lexicon for problem lookup and entry, or should only free-text entries be used?
- DISPLAY ORDER. C: Chronological; R: Reverse chronological
- SCREEN DUPLICATE ENTRIES. Not used by the GUI Problems tab. If a duplicate entry is found when a new problem is being entered, the user is warned, and given the choice of whether or not to continue.

## **User Access and Privileges**

If the user holds any of the ORES/ORELSE/PROVIDER keys, that user is viewed as a clinical user, and has full access privileges to all problem list options.

If a user holds the OREMAS key, that user is viewed as a clerical user. In that case, the Verify, Remove, Restore, and View Removed options will not be available. If the site parameter requiring verification is set to TRUE, then problems entered will be left in an UNVERIFIED state until a clinical user verifies them. Problems in the UNVERIFIED state are denoted by a dollar sign (\$) inserted at the beginning of the line.

These access levels are also enforced when problems are entered via the encounter form. Problems entered on the encounter form by clerical personnel will be left as UNVERIFIED.

CPRS List Manager and the Problem List package do not operate exactly the same as described above. The Problem List package evaluates the presence/absence of menu options in the user's menu tree, and determines access accordingly. Since CPRS LM sometimes drops into PL package code, it uses a hybrid method of keys and menu options to determine access.

# Medications Tab Settings

## Medication List Content

---

All active medication orders are listed. In the case of outpatient orders, this includes medications that have been active within the last 120 days. So medications with a non-active status, such as DISCONTINUED, may be included in the list of outpatient medications. Each list of medications is sorted first by status. Active statuses are at the top of the list. Pending statuses are listed next, followed by any non-active statuses.

### Active

Active statuses include:

- Active
- Refill
- Hold
- Suspended
- Provider Hold
- On Call

### Pending

Pending statuses include:

- Non-Verified
- Drug Interactions
- Incomplete
- Pending

### Non-active

Non-active statuses include:

- Done
- Expired
- Discontinued
- Deleted
- Discontinued by Provider
- Discontinued (Edit)
- Reinstated
- Renewed

Within each group of statuses, the medications are sorted by expiration date, with those that expire last at the top of the list.



## How Long to Display Expired and Discontinued Meds

---

The CPRS parameter ORCH CONTEXT MEDS enables sites to set the length of time that expired and discontinued medications display on the Meds tab. This parameter does not affect the display of active medications, only how long expired and discontinued medications continue to display on the Meds tab.

CPRS enables the user to set a date range for which the expired and discontinued medications will display. For example, a user could decide to view the expired medications for the user from one year in the past (T-365). Or the user could set a period in the past such as June 16, 2006 to September 16, 2006. Normally, this date range should use relative dates such as T-180, T-365, or something similar.

The rules for how the date the user sets affects the display of Inpatient Medications, Non-VA Medications, and Outpatient Medications are slightly different:

- **Inpatient Meds**
  - Under Inpatient Medications, CPRS displays all expired and discontinued orders received from Inpatient Medications that have stop date and time that falls between the beginning and ending dates specified by the ORCH CONTEXT MEDS parameter.
  - If ORCH CONTEXT MEDS does not have a date, CPRS displays all active inpatient medications (including Pending) only. No expired or discontinued medications are displayed.
- **Non-VA Meds**
  - CPRS displays all Non-VA Meds without a start date/time.
  - For active Non-VA medications to be displayed, the order start date if it has one must be between ORCH CONTEXT MEDS start and stop date.
  - The order start date does not need to be absolute, meaning it could only be a month and a year.
  - To display a Non-VA medication that has expired, the order stop date must be after the ORCH CONTEXT MEDS start date.
- **Outpatient Meds**
  - CPRS displays all Active orders, including “active” Pending orders regardless of ORCH CONTEXT MED’s settings.
  - CPRS filters out deleted prescriptions and Pending orders that are DC (discontinued), DE (Discontinue edit), or RF (refill).
  - For outpatient medications, CPRS displays the orders from Outpatient Pharmacy that have a medication expiration date that is the same as the start date from ORCH CONTEXT MEDS or is closer to the present.
  - Outpatient Pharmacy ignores the end date of ORCH CONTEXT MEDS.
  - If CPRS does not pass a start date to Outpatient Pharmacy, then Outpatient Pharmacy uses a start date of T-120 or 120 days in the past.

## New Medication Orders

---

When a user clicks **Action | New Medication**, the order dialog that is displayed is controlled by the parameter ORWDX NEW MED. The parameter allows separate values to be set for the inpatient and outpatient settings. If your site uses the standard PSJ OR PAT OE or PSO OERR orderable-item display lists, the default behavior of CPRS is to display the Inpatient Medication ordering dialog for inpatients and the Outpatient Medication dialog for outpatients. Using CPRS GUI versions 23 and later, authorized hospital locations can order inpatient medications for outpatients. (To make this option available, you must first install the following pharmacy and scheduling patches: PS\*1.0\*59, PSJ\*5.0\*111, and SD\*5.3\*285.)

For hospital locations that are authorized to place inpatient medication orders for outpatients, you can override the default behavior of the **Action | New Medication** option through the ORWDX NEW MED parameter. Specifically, you can set this parameter to include menus that enable users to place these orders from the **Meds** tab. (See the [“Inpatient Medication Orders for Outpatients: Setting the ORWDX NEW MED Parameter”](#) and [“Ordering Menus and Quick Orders”](#) sections of this manual for more information about displaying menus. For information about authorizing a hospital location to place inpatient orders for outpatients, see the [“Inpatient \(Unit Dose\) Medications for Outpatients”](#) section of this manual.)

### Inpatient Medication Orders for Outpatients: Setting the ORWDX NEW MED Parameter

Take the following steps to enable users at authorized hospital locations to order inpatient medications for outpatients from the **Meds** tab:

1. Access General Parameter Tools [XPAR MENU TOOLS].
2. Select Edit Parameter Values [XPAR EDIT PARAMETER].
3. Select the New Med Dialog [ORWDX NEW MED] parameter. You can set this parameter at one of the following three levels:
  - User (USR) [choose from NEW PERSON]
  - System (SYS) [YOUR SYSTEM NAME]
  - Package (PKG) [ORDER ENTRY/RESULTS REPORTING]
4. Select the level at which you want to set the ORWDX NEW MED parameter.
5. At the *Patient Status* prompt, enter o (for outpatient).
6. At the *Order Dialog* prompt, enter your menu selection.

When (in CPRS) users subsequently select **Action | New Medication** for outpatients, CPRS displays this menu. If the menu includes inpatient medications and users select an authorized Encounter Location for their orders, they can then order inpatient medications for outpatients.

## Additional Options

### Menu Options

You can also use the ORWDX NEW MED parameter to display other types of menus. For example, you can use this parameter to display a menu that directs users to the Orders tab for placing medication orders.

*Example: Display a menu that tells the user to use the orders tab for med ordering.*

The captioned output for a display-only menu looks similar to the following:

```
NAME: NO MED ORDERING          DISPLAY TEXT: NO MED ORDERING
  TYPE: menu                     COLUMN WIDTH: 80
SEQUENCE: 1.1
  DISPLAY TEXT: Ordering not allowed from here - use the orders tab.
  DISPLAY ONLY?: YES
  TIMESTAMP: 58337,65573
```

Do the following, to attach this menu so that it displays when the user clicks **New Medication...**

```
Select General Parameter Tools Option: EP  Edit Parameter Values
--- Edit Parameter Values ---
Select PARAMETER DEFINITION NAME: ORWDX NEW MED      New Med Dialog
ORWDX NEW MED may be set for the following:
  1  User      USR      [choose from NEW PERSON]
  3  System    SYS      [ROX-KCM.ISC-SLC.VA.GOV]
  4  Package    PKG      [ORDER ENTRY/RESULTS REPORTING]

Enter selection: 1  User      NEW PERSON
Select NEW PERSON NAME: CPRSPROVIDER,TEN          TC

----- Setting ORWDX NEW MED  for User: CPRSPROVIDER,TEN-----
Select Patient Status: Inpatient
Are you adding Inpatient as a new Patient Status? Yes// YES
Patient Status: Inpatient//      Inpatient
Order Dialog: NO MED ORDERING
Select Patient Status: Outpatient
Are you adding Outpatient as a new Patient Status? Yes//      YES

Patient Status: Outpatient//      Outpatient
Order Dialog: NO MED ORDERING
Select Patient Status:
```

Note that the parameter needed to be set for both the inpatient and outpatient settings. Attaching a quick-order menu is done the same way. Of course, the quick order menu would contain medication quick orders and the medication ordering dialogs, rather than just display text.

### Stop Date for Inpatient Medication Orders

With PSS\*1\*59 and PSJ\*5\*111 and later, you can specify a stop date that applies to all inpatient medication orders for outpatients. The PSJ CSD parameter allows you to define the information used to calculate the stop date for inpatient medication orders for outpatients.

**Note:** IMO orders are affected by both CPRS auto-DC rules and Inpatient Medications rules for auto-discontinuing orders on admission and discharge. If sites do not want IMO orders to auto-discontinue on admission and discharge, sites will have to ensure that neither CPRS nor Inpatient Medications discontinues IMO orders. Inpatient Medications uses the AUTO-DC IMO ORDERS parameter to exclude IMO orders from being discontinued.

# Orders Tab Settings

## Order View

The list of orders that are viewed may be configured in several ways. A user may list orders by Display Group. The sequence of Display Groups is controlled by the parameter, ORWOR CATEGORY SEQUENCE. This parameter may be set at the package, system, or user level.

*Example: Create a system level sequence for the order review screen and add a site defined Display Group for Restraints.*

From the XPAR MENU TOOLS option, use “LV” to list the exported values for the ORWOR CATEGORY SEQUENCE parameter.

Use “EP” to edit the ORWOR CATEGORY SEQUENCE parameter at the system or user level. The system and the user level do not “inherit” any values from the exported package level; it will be necessary to re-enter all the exported values for these levels.

Assuming you have created a display group for Restraints, you can now enter that display group at the position you wish.

If you wish to change the order of the exported display groups, you can change the sequence numbers.

```
Select Sequence: 15
Are you adding 15 as a new Sequence? Yes// YES
Sequence: 15// 15
Display Group: RESTRAINTS
Select Sequence: ?
```

Sequence	Value
-----	-----
10	M.A.S.
15	RESTRAINTS
20	ALLERGIES
30	VITALS/MEASUREMENTS
35	ACTIVITY
40	NURSING
50	DIETETICS
60	IV MEDICATIONS
65	OUTPATIENT MEDICATIONS
70	INPATIENT MEDICATIONS
75	LABORATORY
80	IMAGING
90	CONSULTS
100	PROCEDURES
110	SURGERY
120	OTHER HOSPITAL SERVICES

The initial view that is shown on the orders tab is controlled by the parameter, ORCH CONTEXT ORDERS. This parameter may be set at the system level or for an individual user. The parameter is updated at the user level whenever a user selects **View | Save as Default View...** While seldom done, you can change the default for the site by editing the parameter directly using the XPAR MENU TOOLS option. The default view is saved as a semi-colon delimited string.

*Example: Context string for All Current Orders, Reverse Sort, Group by Service*

```
ORCH CONTEXT ORDERS = ";;2;ALL;L;R;1"
1 - Beginning Date      5 - For List Manager Use
2 - Ending Date         6 - "R" if Reverse Sort
3 - Status Filter       7 - "1" if Group by Service
4 - Display Group
```

If you want to show orders with a completed status (complete, DC, etc.) in the Current Orders list for a number of hours after the time of completion, set the number of hours in the ORPF ACTIVE ORDERS CONTEXT HRS parameter. This may only be set at the system level. If you want the Current Orders list to only show pending, active, and hold orders, set the number of hours to 0.

If you wish to show the lab-assigned order number in the text of a lab order after it has been released to lab service, set the ORPF SHOW LAB # parameter to "yes". This may only be set at the system level.

## Expiring Orders

Expiring orders are those orders with a stop time between the present and midnight of the following day and on which no user has taken an action less than 24 hours from the expiration date/time. If the "following day" is a holiday, all orders with a stop date between now and midnight of the day after the holiday expire. If a user takes an action on the order less than 24 hours before the expiration date/time, the alert will not be generated. There is no parameter to change this.

## Active Orders

Active orders include orders that have a status of:

- Hold
- Flagged
- Pending
- Active
- Scheduled
- Partial Results
- Unreleased
- Renewed

Also, orders with the following statuses are included if they have been assigned that status within the number of hours identified by the parameter ORPF ACTIVE ORDERS CONTEXT HRS:

- Discontinued
- Complete
- Expired
- Cancelled

So recent activity in this case means that the orders expired, the patient was discharged, etc. within the number of hours identified by the parameter, ORPF ACTIVE ORDERS CONTEXT HRS. The parameter may only be set for the entire site; there are no other levels.

## Recent Activity

Recent Activity (today's orders) means the orders that have been released since midnight.

## Recently Expired

This view looks only at order status not order action status. Looking at orders action status was causing duplicates with a DC/Edit and an Expired status. The number of hours that CPRS looks in the past for expired orders is defined in the parameter ORWOR EXPIRED ORDERS. This parameter can be set only at the system level.

## Ordering Access/Authorization

---

Access to ordering is controlled by a combination of several parameters. These parameters are modified from the XPAR MENU TOOLS option.

ORWOR DISABLE ORDERING can be used to prevent writing new orders and taking action on existing orders. It only affects ordering in the GUI; LM does not check this parameter. The main use for this parameter is for phasing in GUI order entry. It can be set at the system level initially (set ORWOR DISABLE ORDERING = "yes" at the system level). Then, as you wish to give individual users the ability to order via the GUI, the parameter may be set to "no" for each user.

ORWOR ENABLE VERIFY is used to allow nurses to verify orders in the GUI. List Manager does not check this parameter. It can be used in cases where you want to disallow GUI ordering, but still want the nurses to verify using the GUI and visa versa.

Disable Ordering	Enable Verify	Behavior
Yes	Yes	Nurses can verify but users cannot order via GUI.
Yes	No	Both nurse verify & ordering are disabled via GUI.
No	Yes	Both nurse verify & ordering are allowed via GUI.
No	No	Ordering is allowed in GUI, but nurse verify is not.

OR OREMAS MED ORDERS determines what holders of the OREMAS key (clerks) are allowed to do with medication orders. The parameter may only be set at the system level. It may have the following values:

- **0 NO:** A clerk is completely prohibited from handling medication orders.
- **1 UNRELEASED ONLY:** A clerk may only enter unreleased orders for both Inpatient and Outpatient.
- **2 YES:** Clerks may take action on all medication orders. A clerk may enter new medication orders or DC these medication orders. Inpatient orders may be released to the Pharmacy as 'Signed on Chart'. Outpatient orders will require the physician's signature.

ORWOR DISABLE HOLD ORDERS will remove the "Hold" and "Release from Hold" items from the Action menu. Some sites prefer to implement holds as generic orders rather than require users to identify the specify orders to hold. For example, the generic order "Hold all oral medications" might be created and used instead of the hold action.

## **Inpatient Orders for Outpatients**

The Inpatient Medications for Outpatients (IMO) project is designed to enable a CPRS user to order a unit-dose medication that is dispensed by inpatient pharmacy and administered to an outpatient in a clinic setting. Users can also order intravenous (IV) fluid infusion orders and Nursing text orders from an IMO location. It will also implement the display of those unit-dose orders, IV Fluid (Infusion) orders, and Nursing text orders written in an IMO location under a new display group named Clinic Orders. IMO allows VistA order checks to function for such medication orders. For the purposes of this document, IMO orders are defined as unit-dose medication orders, IV Fluid (Infusion) orders, and Nursing text orders written from an authorized IMO location.

Sites must do specific set up steps before users will be able to write IMO orders. To see more about set up and what sites need to consider before implementing IMO features, please see the Release Notes for patch PSJ\*5\*121.

### **Designating IMO Locations**

To create an IMO location, sites designate specific clinics as IMO authorized locations by setting the ADMINISTER INPATIENT MEDS? field (#2802) to YES for the clinic, using either of these menu options that will be available when Scheduling patch SD\*5.3\*285:

- Set up a Clinic
- Inpatient Medications to Clinic

**Note:** To determine whether a location is an authorized IMO location, CPRS calls a Scheduling API to check if the patient has an appointment scheduled. As of the release of CPRS v.27, the Scheduling database is not yet ready. The API then returns a value of -3 to CPRS, which tells CPRS that the database could not be reached. CPRS then checks the location file and if the clinic is designated as an IMO clinic, the user can write IMO orders.

### **Ordering IMO Medications from the Meds Tab**

IMO orders use a new ordering dialog if orders are being placed from the Meds tab. To use the Meds tab to place IMO orders, sites must do the following:

1. In List Manager, select the Edit Parameter Values [**XPAR EDIT PARAMETER**] option.

2. Enter the parameter **ORWDX NEW MED** parameter.

3. Select the appropriate level: User, System, or Package.

**Note:** To set the package level, the user must be in programmer mode.

4. At the Patient Status prompt, enter **Outpatient**.

5. Add the order dialog **PSJ OR PAT OE** to the menu you have assigned to the Outpatient patient status.

6. When done, you may exit List Manager.

### **Displaying IMO Orders on the Meds Tab**

On the Meds tab, all statuses (unreleased, pending, active, discontinued, expired, etc.) of IMO orders display at the top of the Inpatient Medications pane. Users can tell which orders are IMO orders because IMO orders have a location in the location column. There is no set up required for this display to occur.

### **Displaying IMO Orders on the Orders Tab**

On the Orders tab, the order of display groups depends on the parameter ORWOR CATGEORY SEQUENCE. Sites need to decide where the Clinic Orders display group will appear. Sites may want to ensure that Clinic Orders display close to Inpatient and Outpatient display groups. To do this, pick a sequence number close to the numbers for these display groups.

The ORWOR CATEGORY SEQUENCE parameter can be set at the Package, System, or User levels. Remember that to set the parameter at the Package level, the user must be in programmer mode. An example of setting this parameter is shown under [Order View](#).

### **Using Quick Orders with IMO**

Sites must evaluate their quick orders based on the new processes to determine if they need to be edited for use in IMO clinics.

If patients are shared between locations, such as inpatients receiving dialysis in the Dialysis Unit, it is helpful to use quick orders and include the ordering location in the provider comments. This helps reinforce where the medication should be administered, in addition to the Clinic Orders display group and the Location column.

For all of the following examples we will start on the Order Menu Management [ORCM MGMT] option in Vista.

#### ***Setting up Nursing Generic Text Orders***

1. Select **GO** Enter/Edit Generic Orders.
2. At the select order dialog name, enter one of the following:
  - OR GXTEXT WORD PROCESSING ORDER
  - OR GXMISC GENERAL
  - OR GXTEXT TEXT ONLY ORDER
3. Enter a generic order name at the Select Generic Order Name prompt.
4. At the Type of Generic Order prompt select **Nursing**.
5. Enter Display Text (optional).
6. Continue through the rest of the prompts and answer appropriately for your site.
7. The text instructions are entered at the Instructions: prompt.

**Note:** The Type of Display Group prompt is used to determine under which display group text orders will appear. If the user setting up IMO enters a group other than Nursing into this field, the text order will not follow the IMO rules. For Nursing quick orders, use the OR GXMISC GENERAL dialog.



*To add text orders to an order set, use these steps:*

1. Select **ST** Enter/edit order sets.
2. Enter the order set name.
3. If entering a new order set, the user can copy the contents of another order set into the new order set.
4. At the Select Component Sequence#: prompt the user would select what sequence number they want the text order to appear in the order set.
5. At the Item prompt the user would select name of the text order to add to the order set.

## Writing Orders

---

The Write Orders list box serves as the point from which order writing is initiated. This list box can contain order menus, order sets, quick orders, or any order dialog. You may wish to begin by simply setting up the Write Orders list box so that it contains one item - a link to the same menu as that used by the OR ADD ORDERS MENU parameter. The CPRS GUI does not use OR ADD ORDERS MENU; it is used only by the List Manager interface. A different parameter is used because the “Write Orders” list box is not a multi-column orders menu. It was intended to provide an easy place to branch into a variety of order menus or general ordering dialogs. One way of looking at it is that it allows a user to have a series of context specific “Main Add Orders” menus.

There are two parameters that control the content of the “Write Orders” list box. Each parameter may be set at the system, division, service, location, or user levels. The older parameter is ORWOR WRITE ORDERS LIST. Each time this parameter is set for a given entity (user, location, etc.), every item in the list must be entered. To reduce the redundant entries, ORWDX WRITE ORDERS LIST was created. This parameter points to a menu in the Order Dialog file (101.41). You begin by creating the list of entries as a one-column menu in the Order Dialog file, and then set the parameter to reference that entry. Then, each time you need to set up a new user (or location, service, etc.) with that “Write Orders” list, you don’t have to re-enter every item.

A value for ORWDX WRITE ORDERS LIST will override a value for ORWOR WRITE ORDERS LIST if one is present. ORWDX WRITE ORDERS LIST will be the parameter that is manipulated set by future menu configuration tools. ORWOR WRITE ORDERS LIST remains for backwards compatibility.

*Example: Select a user and set up a “Write Orders” list that contains two quick order menus, an admission order set, plus the general laboratory ordering dialog.*

## Configuring the Orders List Using the ORWOR WRITE ORDERS LIST Parameter

Use the General Parameter Tools option. Select EP, Edit Parameter Values.

```
Select PARAMETER DEFINITION NAME: ORWOR WRITE ORDERS LIST      Write
Orders (Inpatient)
ORWOR WRITE ORDERS LIST may be set for the following:
    1   User          USR      [choose from NEW PERSON]
    2   Location      LOC      [choose from HOSPITAL LOCATION]
    2.3 Service       SRV      [choose from SERVICE/SECTION]
    2.7 Division      DIV      [REGION 5]
    3   System        SYS      [OEC.ISC-SLC.VA.GOV]
Enter selection: 1   User      NEW PERSON

Select NEW PERSON NAME: CPRSPROVIDER,TEN      TC

----- Setting ORWOR WRITE ORDERS LIST for User: CPRSPROVIDER,TEN -----
Select Sequence: 10
Are you adding 10 as a new Sequence? Yes// YES
Sequence: 10//      10
Order Dialog: ORZ GEN MED QUICK ORDERS
Select Sequence: 20
Are you adding 20 as a new Sequence? Yes//      YES
Sequence: 20//      20
Order Dialog: ORZ MENTAL HEALTH QUICK ORDERS
Select Sequence: 30
Are you adding 30 as a new Sequence? Yes//      YES
Sequence: 30//      30
Order Dialog: ORZ ADMIT TO MEDICINE
Select Sequence: 40
Are you adding 40 as a new Sequence? Yes//      YES
Sequence: 40//      40
Order Dialog: LR OTHER LAB TESTS
Select Sequence:
```

## To configure the Orders List Using ORWDX WRITE ORDERS LIST Parameter

1. use Enter/Edit order menus in Order Menu Management.

```
Select Order Menu Management Option: MN   Enter/edit order menus
Select ORDER MENU: ORZ GEN MED WRITE ORDERS LIST
  Are you adding 'ORZ GEN MED WRITE ORDERS LIST' as
    a new ORDER DIALOG? No// Y   (Yes)
Do you wish to copy an existing menu? YES// NO
DISPLAY TEXT:                                     <-- ignored in GUI
DESCRIPTION:
  1> General Medicine "Write Orders" list
COLUMN WIDTH: 80
MNEMONIC WIDTH: :                               <-- ignored in GUI
PATH SWITCH: :                                   <-- ignored in GUI
```

The menu editor appears.

## 2. Select Add..., then Menu Items...p

```
Add: menu      Menu Items
ITEM: ORZ GEN
      1      ORZ GEN MED QUICK ORDERS
      2      ORZ GEN MED WRITE ORDERS LIST
CHOOSE 1-2: 1  ORZ GEN MED QUICK ORDERS
ROW: 1
COLUMN: 1
DISPLAY TEXT:
MNEMONIC:      :
ITEM: ORZ MENTAL HEALTH QUICK ORDERS
ROW: 2
COLUMN: 1
DISPLAY TEXT:
MNEMONIC:
ITEM: ORZ ADMIT TO MEDICINE
ROW: 3
COLUMN: 1
DISPLAY TEXT:
MNEMONIC:
ITEM: LR OTHER LAB TESTS
ROW: 4
COLUMN: 1
DISPLAY TEXT:
MNEMONIC:
ITEM:
```

Use the General Parameter Tools option. Select EP, Edit Parameter Values.

```
Select PARAMETER DEFINITION NAME: ORWDX WRITE ORDERS LIST      Menu for
Write Orders List
ORWDX WRITE ORDERS LIST may be set for the following:
      2      User          USR      [choose from NEW PERSON]
      4      Location      LOC      [choose from HOSPITAL LOCATION]
      5      Service       SRV      [choose from SERVICE/SECTION]
      7      Division      DIV      [REGION 5]
      8      System        SYS      [OEC.ISC-SLC.VA.GOV]
Enter selection: 2  User      NEW PERSON
Select NEW PERSON NAME: CPRSPROVIDER,TEN      TC
----- Setting ORWDX WRITE ORDERS LIST for User: CPRSPROVIDER,TEN----
Order Dialog: ORZ GEN MED WRITE ORDERS LIST
```

Since the “Write Orders” list has been set up as a menu, you will only need to do the second step, setting the ORWDX WRITE ORDERS LIST parameter, for any additional users.

The actual text used in the “Write Orders” list box is the text found in the LIST BOX TEXT field (#55) of the Order Dialog file (#101.41). If no text is present in that field, the value of the DISPLAY TEXT field (#2) is used.

## Event-Delayed Orders

This section describes how to create, edit, and view a release event. Creating a release event allows CPRS users to write event-delayed orders that are not executed until the release event occurs. For example, you could create a release event called “Transfer to Medicine Treating Specialty” that includes three different, but related treating specialties. A clinician could then write an order that would be delayed until the “Transfer to Medicine Treating Specialty” release event occurred (i.e., the patient is transferred to one of the treating specialties). After the “Transfer to Medicine Treating Specialty” event occurred, the order would be released.

### Creating a Release Event

**Note:** Release events are stored in the OE/RR RELEASE EVENTS file (#100.5).

**To create a release event, follow these steps:**

1. Open the CPRS Configuration (Clin Coord) menu [OR PARAM COORDINATOR MENU].

```
AL Allocate OE/RR Security Keys [ORCL KEY ALLOCATION]
KK Check for Multiple Keys [ORE KEY CHECK]
DC Edit DC Reasons [ORCL ORDER REASON]
GP GUI Parameters ... [ORW PARAM GUI]
GA GUI Access - Tabs, RPL [ORCL CPRS ACCESS]
MI Miscellaneous Parameters [OR PARAM ORDER MISC]
NO Notification Mgmt Menu ... [ORB NOT COORD MENU]
OC Order Checking Mgmt Menu ... [ORK ORDER CHK MGMT MENU]
MM Order Menu Management ... [ORCM MGMT]
LI Patient List Mgmt Menu ... [ORLP PATIENT LIST MGMT]
FP Print Formats [ORCL PRINT FORMAT]
PR Print/Report Parameters ... [OR PARAM PRINTS]
RE Release/Cancel Delayed Orders [ORC DELAYED ORDERS]
US Unsigned orders search [OR UNSIGNED ORDERS]
EX Set Unsigned Orders View on Exit [OR PARAM UNSIGNED ORDERS VIEW]
NA Search orders by Nature or Status [OR NATURE/STATUS ORDER SEARCH]
DO Event Delayed Orders Menu ... [OR DELAYED ORDERS]
PM Performance Monitor Report [OR PERFORMANCE MONITOR]
```

2. Select the Event Delayed Orders Menu by typing **DO**.

The following menu will appear:

```
DO Delayed Orders/Auto-DC Set-up [OR DELAYED ORDERS EDITOR]
EP Parameters for event delayed orders [OR EVENT PARAMETERS]
IN Inquire to OE/RR Patient Event File [OR PATINET EVENT INQUIRY]
```

3. Select Delayed Orders/Auto-DC Set-up by typing **DO**.

The following menu will appear.

```
Select one of the following:

Auto-DC Rules
Release Events
Enter response:
```

4. Select Release Events by typing **2**.

The existing release events will appear in a numbered list.

5. Select Add/Edit by typing **AE**.

6. Press **return** at the *Select item(s)* prompt.
7. Type a name for the release event at the *Select OE/RR RELEASE EVENTS NAME* prompt and press **Return**.
8. Type **Y** or **Yes** at the Are you adding [event name] as a new OE/RR RELEASE EVENTS? prompt.
9. Enter one of these letters at the *OE/RR RELEASE EVENTS TYPE OF EVENT* prompt:
  - A for an admission event.
  - T for a transfer event.
  - D for a discharge event.
  - O for an O.R. event.
  - M for a manual release event.
10. Enter a division at the *OE/RR RELEASE EVENTS DIVISION* prompt.
  - For admission events, enter the location where the patient will be admitted.
  - For transfer events, enter the location where the patient will be transferred.
  - For discharge events, enter the location the patient will be leaving.
  - For O.R. events, enter the location where the patient will have the procedure.
  - For manual release events, enter the location where the patient will be located.
11. Enter **Y** or **N** at the Do you want to copy from an existing entry? prompt.
12. You will now be prompted to enter additional required information. For an explanation of additional prompts and fields you may encounter, see the [Explanation of Release Event Prompts \(Fields in the OE/RR RELEASE EVENTS file #100.5\)](#) topic.
13. Once you have entered all of the required information, the You have now entered the required fields and may ^ to exit prompt will appear. If you do not wish to further define this event, type ^ to exit.

**Note:** You can also create a new release event from the detailed display screen.

**Note:** New release events are inactive by default and must be activated (by following the steps in the [Activating / Inactivating a Release Event](#) topic) before they are used.

## Creating a Child Release Event

A child release event is a variation of a main or parent release event. A child release event shares the same trigger event as its parent; however, a child release event can be assigned to a different order menu than its parent release event.

For example, suppose your facility has a release event named “transfer to surgery ICU” that releases orders when a patient is transferred to the surgery ICU. This release event is appropriate for most of your needs; however, when a clinician writes delayed orders for a transfer to the orthopedic surgery ICU, you would like the clinician to be presented with a slightly different order menu. In this example, you could create a child release event called “transfer to orthopedic surgery ICU”. This child event would share the same trigger event as its parent; however, clinicians who selected the “transfer to orthopedic surgery ICU” child release event would be presented with a different order menu.

### To create a child release event, follow these steps:

1. Open the CPRS Configuration (Clin Coord) menu [OR PARAM COORDINATOR MENU].

```
AL Allocate OE/RR Security Keys [ORCL KEY ALLOCATION]
KK Check for Multiple Keys [ORE KEY CHECK]
DC Edit DC Reasons [ORCL ORDER REASON]
GP GUI Parameters ... [ORW PARAM GUI]
GA GUI Access - Tabs, RPL [ORCL CPRS ACCESS]
MI Miscellaneous Parameters [OR PARAM ORDER MISC]
NO Notification Mgmt Menu ... [ORB NOT COORD MENU]
OC Order Checking Mgmt Menu ... [ORK ORDER CHK MGMT MENU]
MM Order Menu Management ... [ORCM MGMT]
LI Patient List Mgmt Menu ... [ORLP PATIENT LIST MGMT]
FP Print Formats [ORCL PRINT FORMAT]
PR Print/Report Parameters ... [OR PARAM PRINTS]
RE Release/Cancel Delayed Orders [ORC DELAYED ORDERS]
US Unsigned orders search [OR UNSIGNED ORDERS]
EX Set Unsigned Orders View on Exit [OR PARAM UNSIGNED ORDERS VIEW]
NA Search orders by Nature or Status [OR NATURE/STATUS ORDER SEARCH]
DO Event Delayed Orders Menu ... [OR DELAYED ORDERS]
PM Performance Monitor Report [OR PERFORMANCE MONITOR]
```

2. Select the Event Delayed Orders Menu by typing **DO**.

The following menu will appear:

```
DO Delayed Orders/Auto-DC Set-up [OR DELAYED ORDERS EDITOR]
EP Parameters for event delayed orders [OR EVENT PARAMETERS]
IN Inquire to OE/RR Patient Event File [OR PATINET EVENT INQUIRY]
```

3. Select Delayed Orders/Auto-DC Set-up by typing **DO**.

The following menu will appear

```
Select one of the following:
1. Auto-DC Rules
2. Release Events
Enter response:
```

4. Select Release Events by typing **2**.

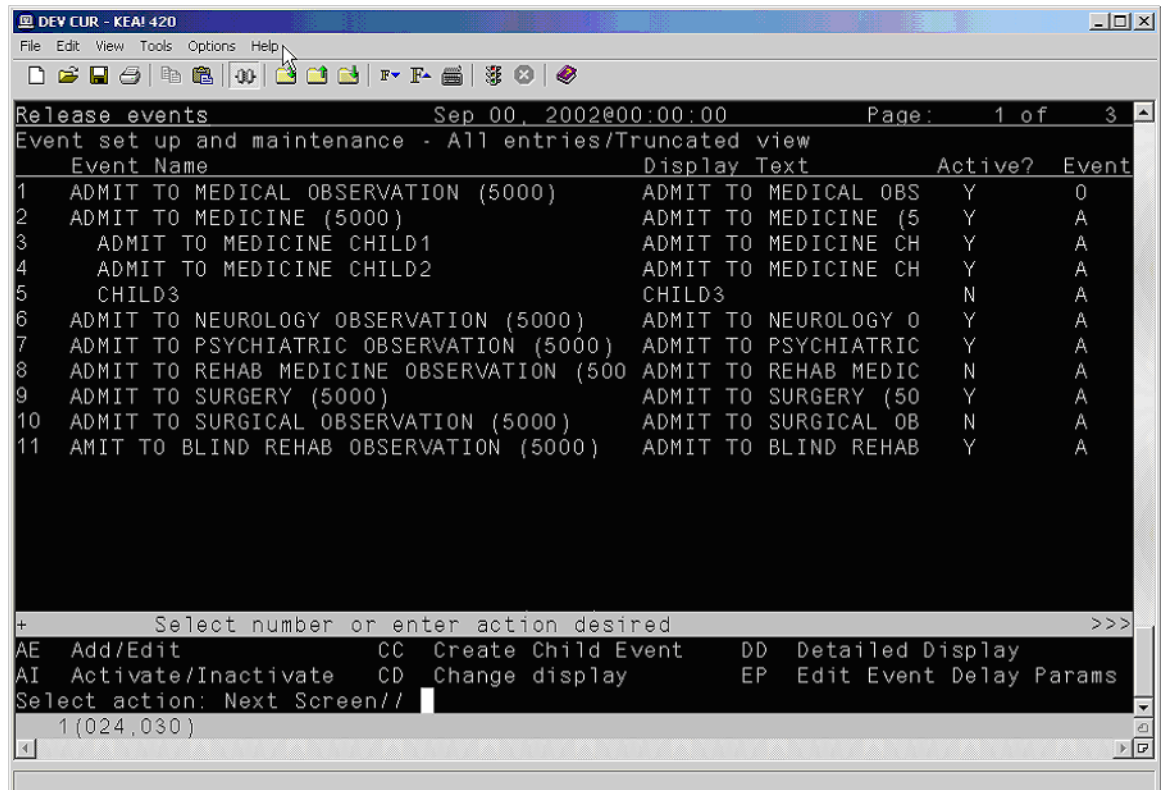
The existing release events will appear in a numbered list.

5. Select Create Child Event by typing **CC**.

6. At the *Select item(s)* prompt, enter the number of the parent event that you want to associate with the new child release event.
7. At the *Select OE/RR CHILD RELEASE EVENTS NAME* prompt, type a name for the new child release event.
8. The name that you entered in step 6 will appear. Verify that you entered the name correctly and press **Return**.
9. Enter the name that you would like displayed to CPRS users at the *DISPLAY TEXT* prompt.
10. Once you have entered all of the required information, the *You have now entered the required fields and may ^ to exit* prompt will appear. If you do not wish to further define this child event, type ^ to exit. If you would like to enter additional information, please refer to the [Explanation of Release Event Prompts \(Fields in the OE/RR RELEASE EVENTS file #100.5\)](#).

**Note:** New child release events are inactive by default and must be activated (by following the steps in the Activating / Inactivating a Release Event topic) before they are used.

**Note:** Child release events are indented and displayed under the associated parent event.



Items 3, 4, and 5 are child release events of the Admit to Medicine parent release event.

## Explanation of Release Event Prompts (Fields in the OE/RR RELEASE EVENTS file #100.5)

The list below explains the additional prompts (fields) that you may encounter when entering a new release event:

- *Display Text* – the name of the release event as it appears to CPRS users.
- *Type of Event* – the type of release event. The value of this field can be **A** (admission event), **T** (transfer event), **D** (discharge event), **O** (O.R. event), or **M** (manual release event).
- *Division* – the division to which the release event will apply.
  - For admission events the division is the admitting location.
  - For discharge events the division is the location the patient is leaving.
  - For transfer events the division is the receiving location where the patient will be transferred.
  - For O.R. events the division is the location where the patient will have the procedure.
  - For manual release events the division is where the patient will be located.
- *MAS Movement Type* – the MAS movement type that will trigger this release event.
  - For admission and discharge events it is recommended that this field be left blank unless you have a need for a very specific admission/discharge event. This way, any admission/discharge type will release delayed orders.
  - For O.R. events a MAS Movement type is not required.
- *Select Included Locations* – the locations included in the release event.
- *Select Included Treating Specialties* – the treating specialties included in the release event.
  - For O.R. events a treating specialty is not required.
- *Short Name* – a short name for the release event (used when space is limited on the Orders tab).
- *Event Order Dialog* – the name of the dialog that appears when a user writes an event-delayed order assigned to the release event.
  - For admission events use OR(Z) GXMOVE EVENT or ADMIT PATIENT.
  - For discharge events use OR(Z) GXMOVE EVENT or DISCHARGE.
  - For transfer events use OR(Z) GXMOVE EVENT or TRANSFER.



The OR GXMOVE EVENT dialog.

- *Order Set Menu* – the order set/menu that will appear when a user writes an event-delayed order assigned to the release event.  
**Note:** Order sets listed in this field should be part of an order menu.
- *Lapse in # Days* – the number of days that an event-delayed order assigned to the release event will remain active. Once the number of days specified is exceeded, you can no longer release orders assigned to this release event.
- *Ordering Parameters Location* – the location that the release event will use to retrieve its ordering parameters.
  - For admission, transfer, O.R., and manual release events, be sure to specify a representative location so that the appropriate parameter values for dialogs (such as dietetics and lab) are used.
  - For discharge events it is recommended that you specify a representative location so that the appropriate parameter values for dialogs are used. However, this is not required because the patient will be leaving the facility.
- *Copy Active Orders* – indicates whether a user should be permitted to copy existing active orders to new event-delayed orders.
  - For admission and discharge events this field is usually set to no.
  - For transfer events this field is usually set to yes.

**Note:** You can configure the OREVNT EXCLUDE DGRP parameter to prevent orders belonging to specific display groups from being copied. For more information, refer to [Excluding Display Groups from the Copy Active Orders Dialog Box](#)

## Sample Release Events

### Sample Admission Event

Cache TRM:1124

File Edit Help

Detailed Display May 00, 2002@00:00:00 Page: 1 of 2

Name: ADMIT TO MEDICINE  
Short name: ADMIT TO MED  
Inactivated:  
Type of event: ADMISSION  
Division: REGION 5  
Event order dialog: OR GXMOVE EVENT  
Order set/menu: ZZNEL MENU  
Lapse in #days: 14  
Has movement type:  
Display text: ADMIT TO MEDICINE  
Ordering parameters location: 2B MED  
Copy active orders: YES

Included Locations:  
2B MED

Included Treating Specialties:  
MEDICINE  
MEDICAL OBSERVATION

+ Enter ?? for more actions

AE Add/Edit AI Activate/Inactivate  
Select Item(s): Next Screen//

This sample release event uses the OR GXMOVE EVENT dialog and does not specify a MAS movement type.

### Sample Discharge Event

Cache TRM:1204

File Edit Help

Detailed Display May 00, 2002@00:00:00 Page: 1 of 1

Name: DISCHARGE  
Short name: DISCH  
Inactivated: May 00, 2002@00:00:00  
Type of event: DISCHARGE  
Division: REGION 5  
Event order dialog: OR GXMOVE DISCHARGE  
Order set/menu: ZZNEL DISCHARGE SET  
Lapse in #days: 7  
Has movement type:  
Display text: Discharge  
Ordering parameters location:  
Copy active orders:

Enter ?? for more actions >>>

AE Add/Edit AI Activate/Inactivate HIS Add/Remove Histories  
Select Item(s): Quit//

A sample discharge event

### Sample Transfer Event: Ward or Division Change

Cache TRM1124

File Edit Help

Detailed Display May 00, 2002@00:00:00 Page: 1 of 2

Name: TRANSFER TO 1A  
Short name: 1A  
Inactivated:  
Type of event: TRANSFER  
Division: REGION 5  
Event order dialog: OR GXMOVE TRANSFER  
Order set/menu:  
Lapse in #days: 30  
Mas movement type: INTERUARD TRANSFER  
Display text: TRANSFER TO 1A  
Ordering parameters location: 1A  
Copy active orders: YES

Included Locations:  
1A

Activation History:  
Activated: May 00, 2002@00:00:00 Inactivated:

Add/Edit History:  
+ Enter ?? for more actions  
AE Add/Edit AI Activate/Inactivate  
Select Item(s): Next Screen//

A sample transfer event for a ward or division change

### Sample Transfer Event: From PASS

Cache TRM1124

File Edit Help

Detailed Display May 00, 2002@00:00:00 Page: 1 of 1

Name: RETURN FROM PASS  
Short name: FROM PASS  
Inactivated:  
Type of event: TRANSFER  
Division: REGION 5  
Event order dialog:  
Order set/menu:  
Lapse in #days: 7  
Mas movement type: FROM AUTH. ABSENCE OF 96 HOURS OR LESS  
Display text: RETURN FROM PASS  
Ordering parameters location:  
Copy active orders: YES

Activation History:  
Activated: May 00, 2002@00:00:00 Inactivated:

Add/Edit History:  
Added on May 00, 2002@00:00:00 by CPRSPROVIDER,TEN

Enter ?? for more actions  
AE Add/Edit AI Activate/Inactivate  
Select Item(s): Quit//

The MAS movement type specified in this event distinguishes the type of transfer.

### Sample Transfer Event: to ASIH

Cache TRM1124

File Edit Help

Detailed Display May 00, 2002@00:00:00 Page: 1 of 1

Name: TO ASIH  
Short name: TO ASIH  
Inactivated: May 00, 2002@00:00:00  
Type of event: TRANSFER  
Division: REGION 5  
Event order dialog: OR GXMOVE EVENT  
Order set/menu: ZZNEL MENU  
Lapse in #days: 3  
Has movement type: TO ASIH (VAH) ←  
Display text: TO ASIH  
Ordering parameters location: 2B MED  
Copy active orders:

Included Treating Specialties:  
MEDICINE  
SURGERY

Add/Edit History:  
Added on May 00, 2002@00:00:00 by CPRSPROVIDER,TEN

Enter ?? for more actions

AE Add/Edit AI Activate/Inactivate  
Select Item(s): Quit//

Sample transfer event: to ASIH

### Sample Transfer Event: to NHCU

Cache TRM1284

File Edit Help

Detailed Display May 00, 2002@00:00:00 Page: 1 of 1

Name: ADMIT TO NHCU  
Short name: NHCU  
Inactivated: May 00, 2002@00:00:00  
Type of event: ADMISSION  
Division: REGION 5  
Event order dialog: ORZ GXMOVE ADMIT PATIENT  
Order set/menu: ZZNEL MENU  
Lapse in #days: 7  
Has movement type: Transfer to NHCU  
Display text:  
Ordering parameters location:  
Copy active orders: YES

Included Treating Specialties:  
DOMICILIARY CHV

Enter ?? for more actions >>>

AE Add/Edit AI Activate/Inactivate HIS Add/Remove Histories  
Select Item(s): Quit//

Sample transfer event: to NHCU

### Sample O.R. Event

The screenshot shows a window titled 'Cache TRM1264' with a menu bar (File, Edit, Help) and a status bar (Page: 1 of 1). The main content area is titled 'Detailed Display' and shows the following information:

Name:	SURGERY
Inactivated:	May 00, 2002@00:00:00
Type of event:	O.R.
Division:	REGION 5
De reason:	Surgery
Display text:	SURGERY

Below the table, the 'Included Packages:' section lists:

- ORDER ENTRY/RESULTS REPORTING
- INPATIENT MEDICATIONS
- IV MEDICATIONS
- LAB SERVICE

The 'Add/Edit History:' section shows:

- Added on May 00, 2002@00:00:00 by CPRSPROVIDER,TEN
- Edited on May 00, 2002@00:00:00 by CPRSPROVIDER,TEN

A black bar with the text 'Enter ?? for more actions' is followed by a list of actions: 'AE Add/Edit' and 'AI Activate/Inactivate'. The bottom status bar reads 'Select Item(s): Quit//'.

A sample O.R. event

### Sample Manual Release Event

The screenshot shows a window titled 'Cache TRM1124' with a menu bar (File, Edit, Help) and a status bar (Page: 1 of 1). The main content area is titled 'Detailed Display' and shows the following information:

Name:	POST-OP
Short name:	POST-OP
Inactivated:	
Type of event:	MANUAL RELEASE
Division:	REGION 5
Event order dialog:	
Order set/menu:	ZZNEL MENU
Lapse in #days:	14
Display text:	POST-OP
Ordering parameters location:	1A
Copy active orders:	

Below the table, the 'Activation History:' section shows:

- Activated: May 00, 2002@00:00:00
- Inactivated:

The 'Add/Edit History:' section shows:

- Added on
- Edited on May 00, 2002@00:00:00 by CPRSPROVIDER,TEN
- Edited on May 00, 2002@00:00:00 by CPRSPROVIDER,TEN
- Edited on May 00, 2002@00:00:00 by CPRSPROVIDER,TEN

A black bar with the text 'Enter ?? for more actions' is followed by a list of actions: 'AE Add/Edit' and 'AI Activate/Inactivate'. The bottom status bar reads 'Select Item(s): Quit//'.

A sample manual release event

## Activating/Inactivating a Release Event

**Note:** If a parent release event is inactive, all child release events will also be inactive. However, a child release event can be inactive while the parent release event is active.

**To activate/inactivate a release event, follow these steps:**

1. Open the CPRS Configuration (Clin Coord) menu [OR PARAM COORDINATOR MENU].

```
AL Allocate OE/RR Security Keys [ORCL KEY ALLOCATION]
KK Check for Multiple Keys [ORE KEY CHECK]
DC Edit DC Reasons [ORCL ORDER REASON]
GP GUI Parameters ... [ORW PARAM GUI]
GA GUI Access - Tabs, RPL [ORCL CPRS ACCESS]
MI Miscellaneous Parameters [OR PARAM ORDER MISC]
NO Notification Mgmt Menu ... [ORB NOT COORD MENU]
OC Order Checking Mgmt Menu ... [ORK ORDER CHK MGMT MENU]
MM Order Menu Management ... [ORCM MGMT]
LI Patient List Mgmt Menu ... [ORLP PATIENT LIST MGMT]
FP Print Formats [ORCL PRINT FORMAT]
PR Print/Report Parameters ... [OR PARAM PRINTS]
RE Release/Cancel Delayed Orders [ORC DELAYED ORDERS]
US Unsigned orders search [OR UNSIGNED ORDERS]
EX Set Unsigned Orders View on Exit [OR PARAM UNSIGNED ORDERS VIEW]
NA Search orders by Nature or Status [OR NATURE/STATUS ORDER SEARCH]
DO Event Delayed Orders Menu ... [OR DELAYED ORDERS]
PM Performance Monitor Report [OR PERFORMANCE MONITOR]
```

2. Select the Event Delayed Orders Menu by typing **DO**.

The following menu will appear:

```
DO Delayed Orders/Auto-DC Set-up [OR DELAYED ORDERS EDITOR]
EP Parameters for event delayed orders [OR EVENT PARAMETERS]
IN Inquire to OE/RR Patient Event File [OR PATINET EVENT INQUIRY]
```

3. Select Delayed Orders/Auto-DC Set-up by typing **DO**.

The following menu will appear

Select one of the following:

- ```
1. Auto-DC Rules
2. Release Events
Enter response:
```

4. Select Release Events by typing **2**.

The existing release events will appear in a numbered list.

5. Select Activate/Inactivate by typing **AI**.
6. Type the number of the release event you would like to activate/inactivate at the *Select items* prompt.
7. The computer will display a message asking if you are sure you want to activate/inactivate this release event. Type the appropriate response.

**Note:** You can also activate/inactivate a release event from the detailed display screen.

**Note:** Once you have activated a release event, the event will appear on the Event Delayed Orders dialog in the CPRS GUI. Users can now write orders that are delayed until the release event occurs.

## Detailed Display of a Release Event

To view a detailed display of a release event, follow these steps:

1. Open the CPRS Configuration (Clin Coord) menu [OR PARAM COORDINATOR MENU].

```
AL Allocate OE/RR Security Keys [ORCL KEY ALLOCATION]
KK Check for Multiple Keys [ORE KEY CHECK]
DC Edit DC Reasons [ORCL ORDER REASON]
GP GUI Parameters ... [ORW PARAM GUI]
GA GUI Access - Tabs, RPL [ORCL CPRS ACCESS]
MI Miscellaneous Parameters [OR PARAM ORDER MISC]
NO Notification Mgmt Menu ... [ORB NOT COORD MENU]
OC Order Checking Mgmt Menu ... [ORK ORDER CHK MGMT MENU]
MM Order Menu Management ... [ORCM MGMT]
LI Patient List Mgmt Menu ... [ORLP PATIENT LIST MGMT]
FP Print Formats [ORCL PRINT FORMAT]
PR Print/Report Parameters ... [OR PARAM PRINTS]
RE Release/Cancel Delayed Orders [ORC DELAYED ORDERS]
US Unsigned orders search [OR UNSIGNED ORDERS]
EX Set Unsigned Orders View on Exit [OR PARAM UNSIGNED ORDERS VIEW]
NA Search orders by Nature or Status [OR NATURE/STATUS ORDER SEARCH]
DO Event Delayed Orders Menu ... [OR DELAYED ORDERS]
PM Performance Monitor Report [OR PERFORMANCE MONITOR]
```

2. Select the Event Delayed Orders Menu by typing DO.

The following menu will appear:

```
DO Delayed Orders/Auto-DC Set-up [OR DELAYED ORDERS EDITOR]
EP Parameters for event delayed orders [OR EVENT PARAMETERS]
IN Inquire to OE/RR Patient Event File [OR PATINET EVENT INQUIRY]
```

3. Select Delayed Orders/Auto-DC Set-up by typing DO.

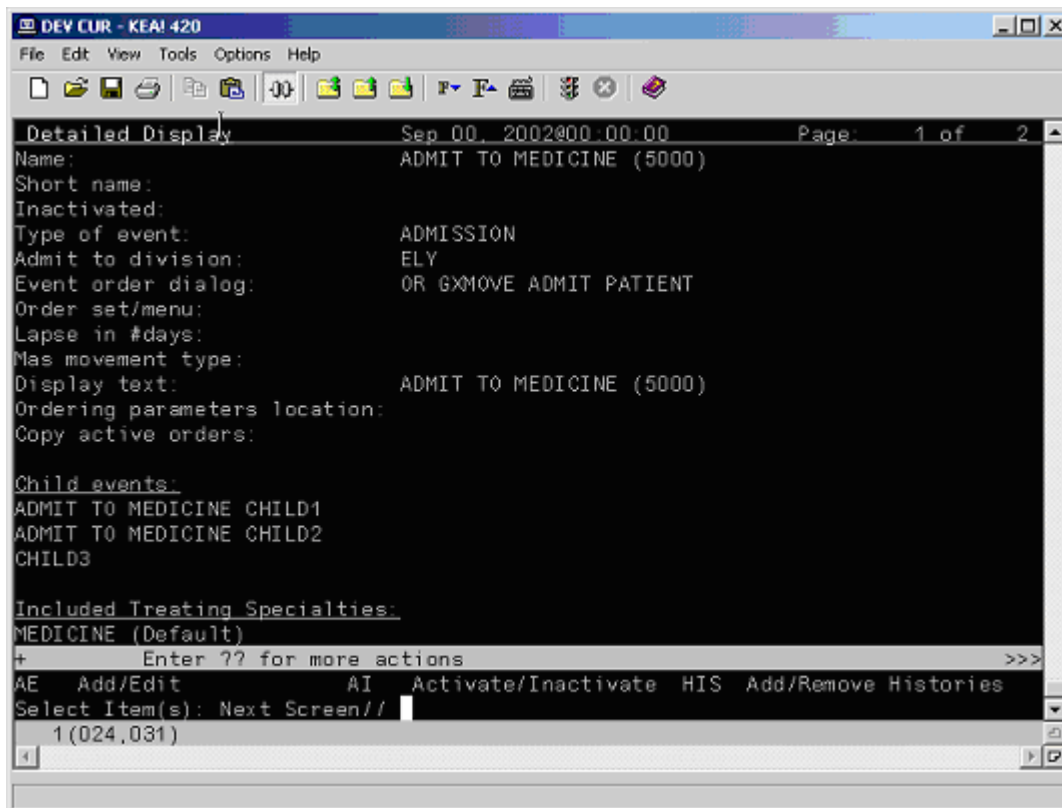
The following menu will appear:

```
Select one of the following:
1. Auto-DC Rules
2. Release Events
Enter response:
```

4. Choose Release Events by typing 2.
5. Select Detailed Display by typing DD.
6. At the *Select item(s)* prompt, type the number of the release event that you would like to display.

A detailed display of the release event will appear.





The release event detailed display

### **Audit and Activation History**

The audit and activation histories on the detailed display can be toggled on or off depending on your preferences.

**To toggle the audit and activation histories on or off, follow these steps:**

1. Open the CPRS Configuration (Clin Coord) menu [OR PARAM COORDINATOR MENU].

```

AL Allocate OE/RR Security Keys [ORCL KEY ALLOCATION]
KK Check for Multiple Keys [ORE KEY CHECK]
DC Edit DC Reasons [ORCL ORDER REASON]
GP GUI Parameters ... [ORW PARAM GUI]
GA GUI Access - Tabs, RPL [ORCL CPRS ACCESS]
MI Miscellaneous Parameters [OR PARAM ORDER MISC]
NO Notification Mgmt Menu ... [ORB NOT COORD MENU]
OC Order Checking Mgmt Menu ... [ORK ORDER CHK MGMT MENU]
MM Order Menu Management ... [ORCM MGMT]
LI Patient List Mgmt Menu ... [ORLP PATIENT LIST MGMT]
FP Print Formats [ORCL PRINT FORMAT]
PR Print/Report Parameters ... [OR PARAM PRINTS]
RE Release/Cancel Delayed Orders [ORC DELAYED ORDERS]
US Unsigned orders search [OR UNSIGNED ORDERS]
EX Set Unsigned Orders View on Exit [OR PARAM UNSIGNED ORDERS VIEW]
NA Search orders by Nature or Status [OR NATURE/STATUS ORDER SEARCH]
DO Event Delayed Orders Menu ... [OR DELAYED ORDERS]
PM Performance Monitor Report [OR PERFORMANCE MONITOR]

```



2. Select the Event Delayed Orders Menu by typing DO.

The following menu will appear:

```
DO Delayed Orders/Auto-DC Set-up [OR DELAYED ORDERS EDITOR]
EP Parameters for event delayed orders [OR EVENT PARAMETERS]
IN Inquire to OE/RR Patient Event File [OR PATINET EVENT INQUIRY]
```

3. Select Delayed Orders/Auto-DC Set-up by typing DO.

The following menu will appear

```
Select one of the following:
```

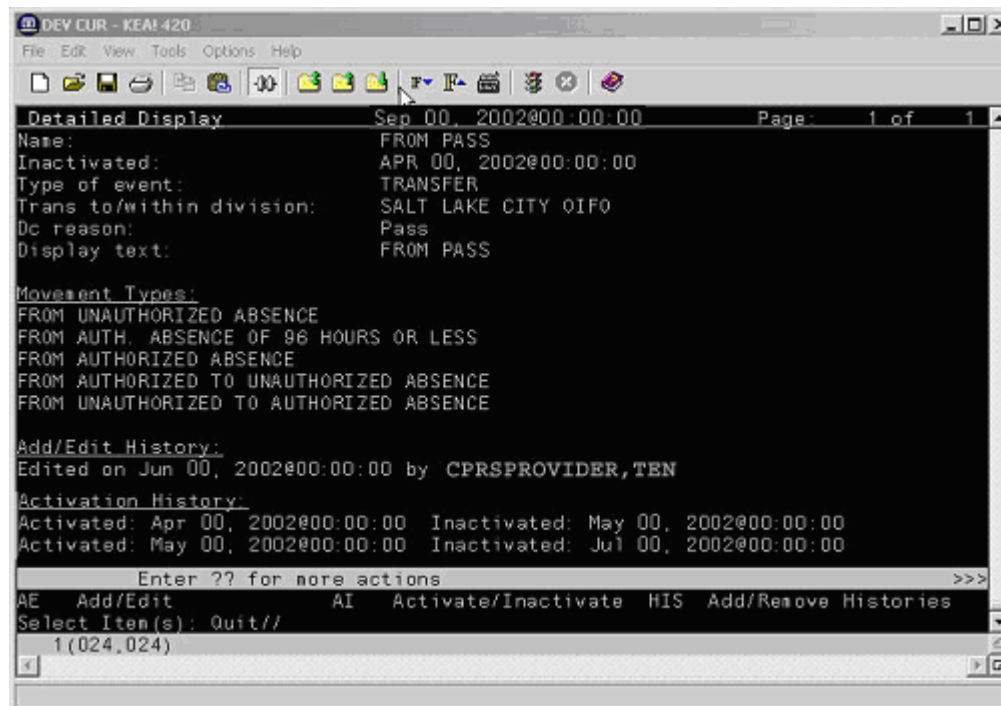
1. Auto-DC Rules
2. Release Events

```
Enter response:
```

4. Type 1 to select Auto-DC Rules or 2 to select Release Events.
5. Type DD to select Detailed Display.
6. At the Select item(s) prompt, type the number of the release event or auto-DC rule that you would like to display.

A detailed display of the release event or auto-DC rule will appear.

7. Type H to select Add/Remove Histories.
8. At the Do you want to include them on the detailed display? prompt, type Y to include the audit and activation histories on the detailed display. Type N if you do not wish to display the audit and activation histories.



The audit and activation history can be toggled on or off on the detailed display screen.

## Tracking Event-Delayed Orders (OE/RR PATIENT EVENTS file #100.2)

You can use the information stored in the OE/RR PATIENT EVENTS file (#100.2) to determine which orders were released as the result of a release event.

**To retrieve information from the OE/RR PATIENT EVENTS file (#100.2), follow these steps:**

1. Open the CPRS Configuration (Clin Coord) menu [OR PARAM COORDINATOR MENU].

```
AL Allocate OE/RR Security Keys [ORCL KEY ALLOCATION]
KK Check for Multiple Keys [ORE KEY CHECK]
DC Edit DC Reasons [ORCL ORDER REASON]
GP GUI Parameters ... [ORW PARAM GUI]
GA GUI Access - Tabs, RPL [ORCL CPRS ACCESS]
MI Miscellaneous Parameters [OR PARAM ORDER MISC]
NO Notification Mgmt Menu ... [ORB NOT COORD MENU]
OC Order Checking Mgmt Menu ... [ORK ORDER CHK MGMT MENU]
MM Order Menu Management ... [ORCM MGMT]
LI Patient List Mgmt Menu ... [ORLP PATIENT LIST MGMT]
FP Print Formats [ORCL PRINT FORMAT]
PR Print/Report Parameters ... [OR PARAM PRINTS]
RE Release/Cancel Delayed Orders [ORC DELAYED ORDERS]
US Unsigned orders search [OR UNSIGNED ORDERS]
EX Set Unsigned Orders View on Exit [OR PARAM UNSIGNED ORDERS VIEW]
NA Search orders by Nature or Status [OR NATURE/STATUS ORDER SEARCH]
DO Event Delayed Orders Menu ... [OR DELAYED ORDERS]
PM Performance Monitor Report [OR PERFORMANCE MONITOR]
```

2. Select the Event Delayed Orders Menu by typing **DO**.

The following menu will appear:

```
DO Delayed Orders/Auto-DC Set-up [OR DELAYED ORDERS EDITOR]
EP Parameters for event delayed orders [OR EVENT PARAMETERS]
IN Inquire to OE/RR Patient Event File [OR PATINET EVENT INQUIRY]
```

3. Select Inquire to OE/RR Patient Event File by typing **IN**.
4. Enter either the name of the release event, the name of the patient, or the patient's social security number at the *Select OE/RR PATIENT EVENT* prompt.

The records that match the criteria you specified will appear in a numbered list.

5. If necessary, type the number of the record you would like to view.
6. Choose the output device at the *DEVICE* prompt.

The details of the record will be sent to the appropriate device.

## Creating a List of Commonly Used Release Events

The OREVNT COMMON LIST parameter allows a CAC to create a list of commonly used release events that will be displayed at the top of a users release event list.

To define a list of commonly used release events, follow these steps:

1. Open the CPRS Configuration (Clin Coord) menu [OR PARAM COORDINATOR MENU].

```
AL Allocate OE/RR Security Keys [ORCL KEY ALLOCATION]
KK Check for Multiple Keys [ORE KEY CHECK]
DC Edit DC Reasons [ORCL ORDER REASON]
GP GUI Parameters ... [ORW PARAM GUI]
GA GUI Access - Tabs, RPL [ORCL CPRS ACCESS]
MI Miscellaneous Parameters [OR PARAM ORDER MISC]
NO Notification Mgmt Menu ... [ORB NOT COORD MENU]
OC Order Checking Mgmt Menu ... [ORK ORDER CHK MGMT MENU]
MM Order Menu Management ... [ORCM MGMT]
LI Patient List Mgmt Menu ... [ORLP PATIENT LIST MGMT]
FP Print Formats [ORCL PRINT FORMAT]
PR Print/Report Parameters ... [OR PARAM PRINTS]
RE Release/Cancel Delayed Orders [ORC DELAYED ORDERS]
US Unsigned orders search [OR UNSIGNED ORDERS]
EX Set Unsigned Orders View on Exit [OR PARAM UNSIGNED ORDERS VIEW]
NA Search orders by Nature or Status [OR NATURE/STATUS ORDER SEARCH]
DO Event Delayed Orders Menu ... [OR DELAYED ORDERS]
PM Performance Monitor Report [OR PERFORMANCE MONITOR]
```

2. Select the Event Delayed Orders Menu by typing **DO**.

The following menu will appear:

```
DO Delayed Orders/Auto-DC Set-up [OR DELAYED ORDERS EDITOR]
EP Parameters for event delayed orders [OR EVENT PARAMETERS]
IN Inquire to OE/RR Patient Event File [OR PATINET EVENT INQUIRY]
```

3. Select Parameters for event delayed orders by typing **EP**.
4. Type **3** to choose Common release event list.
5. Choose how you would like to set the OREVNT COMMON LIST parameter by typing one of the following at the *Enter Selection* prompt:
  - o **1** – for user level
  - o **2** – for class level
  - o **3** – for team level
  - o **4** – for location level
  - o **5** – for service level
  - o **6** – for division level
6. If you selected 1, the *Select NEW PERSON NAME* prompt will appear. If you selected 2, the *Select USR CLASS* prompt will appear. If you selected 3, the *OE/RR LIST NAME* prompt will appear. If you selected 4, the *Select HOSPITAL LOCATION NAME* prompt will appear. If you selected 5, the *Select SERVICE/SECTION NAME* prompt will appear. If you selected 6, the *Select INSTITUTION NAME* prompt will appear. Type the appropriate response.
7. At the *Select Entry Number* prompt, type a number for the entry. The number you enter is simply a placeholder and does **not** represent the position the release event will occupy in the common list. Rather, the list of commonly used release events will be displayed in alphabetical order.

8. The number you entered in step 6 will be displayed. Verify that the number is correct and press **Return**.
9. Type the name of the release event you would like to add to the common list at the *RELEASE EVENT* prompt.
10. Repeat steps 6-8 if you would like to add additional release events to the list.
11. When you have finished adding release events to the list, press **Return** at the *RELEASE EVENT* prompt.
12. If you have not yet defined a default release event (set the OREVNT DEFAULT parameter), you will be prompted to do so.

```
Setting OREVNT COMMON LIST for User: CPRSPROVIDER,THREE -----
Select Entry number: 1

Entry number: 1//      1
Release Event: TRANSFER TO MEDICINE (5000)//      TRANSFER TO MEDICINE
(5000)          T
RANSFER          SALT LAKE CITY HCS
Select Entry number: 2

Entry number: 2//      2
Release Event: POST OP//      POST OP          O.R.          ELY
Select Entry number: 3

Entry number: 3//      3
Release Event: TRANSFER TO ICU//      TRANSFER TO ICU      TRANSFER
SALT LAKE CITY OIFO
```

In the example above, the Transfer to Medicine (5000), Post OP, and Transfer to ICU release events have been assigned to the list of commonly used release events for Cprsprovider,Three.

**Note:** A release event will only appear on the common list if it is context appropriate. For example, the release event "Transfer to Medicine" will not appear on the list if the current patient is an outpatient.

## Defining a Default Release Event

The OREVNT DEFAULT parameter allows a CAC to control which event is presented as the default release event when a user writes a new event-delayed order (in both the CPRS GUI and List Manager).

**Note:** Before a default release event can be defined for a class, team, location, service, or division, you must define a list of commonly used release events for that level. (In other words, you must set the OREVNT DEFAULT LIST parameter.)

**To define a default release event, follow these steps:**

1. Open the CPRS Configuration (Clin Coord) menu [OR PARAM COORDINATOR MENU].

```
AL Allocate OE/RR Security Keys [ORCL KEY ALLOCATION]
KK Check for Multiple Keys [ORE KEY CHECK]
DC Edit DC Reasons [ORCL ORDER REASON]
GP GUI Parameters ... [ORW PARAM GUI]
GA GUI Access - Tabs, RPL [ORCL CPRS ACCESS]
MI Miscellaneous Parameters [OR PARAM ORDER MISC]
NO Notification Mgmt Menu ... [ORB NOT COORD MENU]
OC Order Checking Mgmt Menu ... [ORK ORDER CHK MGMT MENU]
MM Order Menu Management ... [ORCM MGMT]
LI Patient List Mgmt Menu ... [ORLP PATIENT LIST MGMT]
FP Print Formats [ORCL PRINT FORMAT]
PR Print/Report Parameters ... [OR PARAM PRINTS]
RE Release/Cancel Delayed Orders [ORC DELAYED ORDERS]
US Unsigned orders search [OR UNSIGNED ORDERS]
EX Set Unsigned Orders View on Exit [OR PARAM UNSIGNED ORDERS VIEW]
NA Search orders by Nature or Status [OR NATURE/STATUS ORDER SEARCH]
DO Event Delayed Orders Menu ... [OR DELAYED ORDERS]
PM Performance Monitor Report [OR PERFORMANCE MONITOR]
```

2. Select the Event Delayed Orders Menu by typing DO.

The following menu will appear:

```
DO Delayed Orders/Auto-DC Set-up [OR DELAYED ORDERS EDITOR]
EP Parameters for event delayed orders [OR EVENT PARAMETERS]
IN Inquire to OE/RR Patient Event File [OR PATINET EVENT INQUIRY]
```

3. Select Parameters for event delayed orders by typing EP.
4. Select 2 to choose Default release event.
5. Choose how you would like to set the OREVNT DEFAULT parameter by typing one of the following at the Enter Selection prompt:
  - **1** – for user level
  - **2** – for class level
  - **3** – for team level
  - **4** – for location level
  - **5** – for service level
  - **6** – for division level

6. If you selected 1, the Select NEW PERSON NAME prompt will appear. If you selected 2, the Select USR CLASS NAME prompt will appear. If you selected 3, the Select OE/RR LIST NAME prompt will appear. If you selected 4, the Select HOSPITAL LOCATION NAME prompt will appear. If you selected 5, the Select SERVICE/SECTION prompt will appear. If you selected 6, the Select INSTITUTION NAME prompt will appear. Type the appropriate response.

A list of available release events will appear.

```
OREVNT DEFAULT may be set for the following:
  1  User          USR  [choose from NEW PERSON]
  2  Class         CLS  [choose from USR CLASS]
  3  Team (OE/RR)  OTL  [choose from OE/RR LIST]
  4  Location      LOC  [choose from HOSPITAL LOCATION]
  5  Service       SRV  [choose from SERVICE/SECTION]
  6  Division      DIV  [choose from INSTITUTION]
```

The OREVNT DEFAULT parameter may be set at the user, class, team, location, service, or division level.

7. Type the number of the release event that you would like to set as the default.

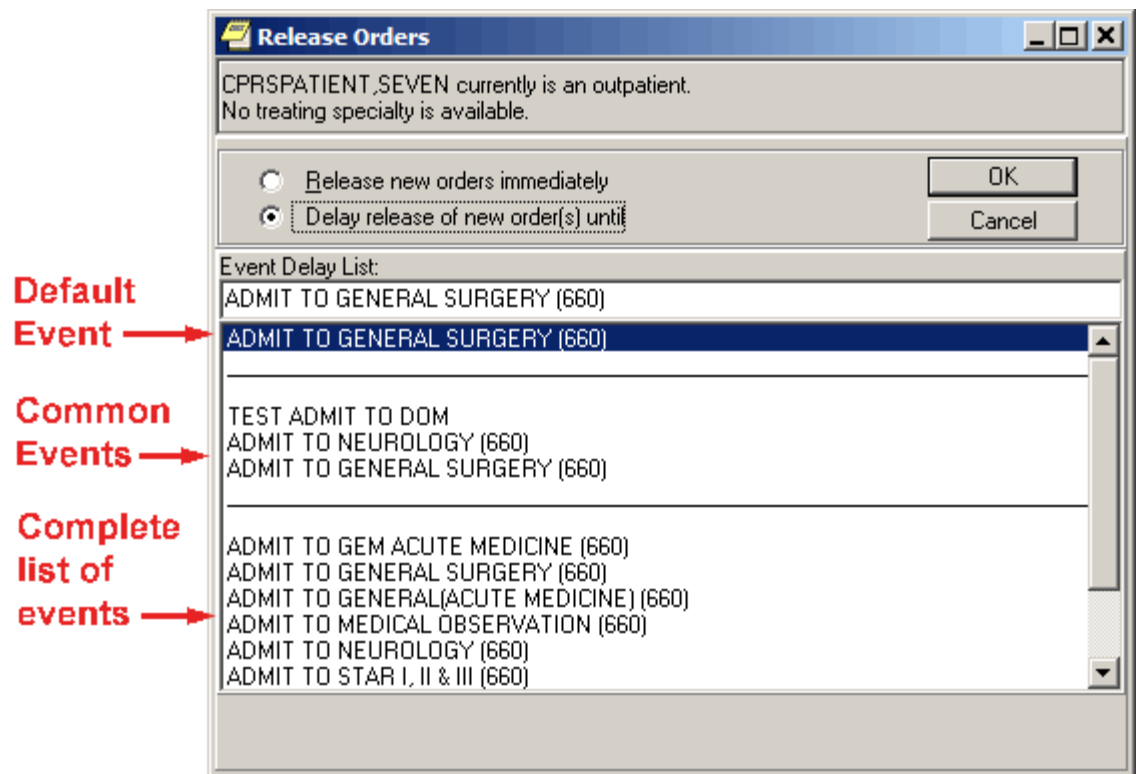
```
Enter selection: 2  Class  USR CLASS
Select USR CLASS NAME: INTERN PHYSICIAN

No DEFAULT has been set yet.

1) TRANSFER TO BLIND REHAB OBSERVATION (5000)
2) ADMIT TO GENERAL SURGERY (660)
3) POST OP (*INACTIVE*)
Select default release event: (1-3): 2
```

In this example, the Admit to General Surgery (660) release event is set as the default event for the Intern Physician user class.

**Note:** When a user is writing an event-delayed order, the default release event will appear only if it is context appropriate. For example, the default release event "Transfer to Medicine" will not appear if the current patient is an outpatient.



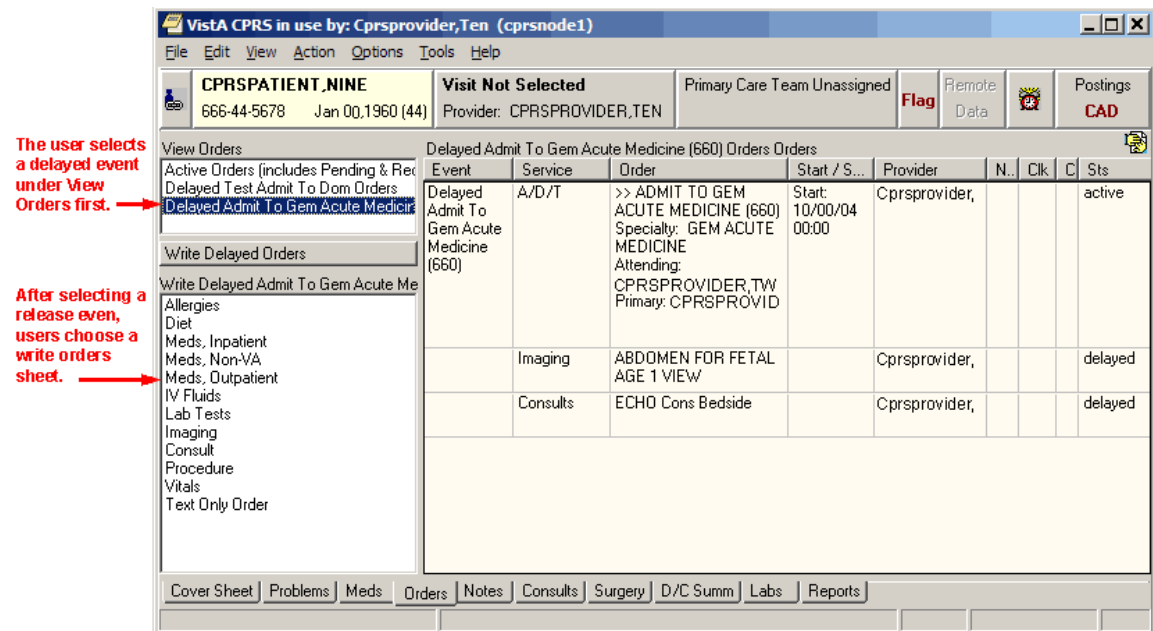
The default release event, Admit to General Surgery (660) is highlighted on the Release Orders dialog box in the CPRS GUI.

```
CPRSPATIENT,SEVEN is not currently admitted.
Delayed orders exist for CPRSPATIENT,SEVEN for the following events:
  1  ADMIT TO GENERAL SURGERY (660)
  2  DISCHARGE (5000)
  3  ADMIT TO BLIND REHAB OBSERVATION (5000)
To review or add delayed orders, select from (1-5) or enter a new
event.
Select RELEASE EVENT: TRANSFER TO GENERAL SURGERY (660) //
```

The default release event, Transfer to General Surgery (660) is automatically selected in the List Manager version of CPRS.

## Defining the Orders Menu for a Release Event

You can define which orders menu appears in the Write Orders pane (in the GUI) for a particular release event. You can do this by setting the ORWDX WRITE ORDERS EVENT LIST parameter.



The ORWDX WRITE ORDERS EVENT LIST parameter determines which orders menu appears in the Write Orders pane

To set the ORWDX WRITE ORDERS EVENT LIST parameter, follow these steps:

1. Open the CPRS Configuration (Clin Coord) menu [OR PARAM COORDINATOR MENU].

```
AL Allocate OE/RR Security Keys [ORCL KEY ALLOCATION]
KK Check for Multiple Keys [ORE KEY CHECK]
DC Edit DC Reasons [ORCL ORDER REASON]
GP GUI Parameters ... [ORW PARAM GUI]
GA GUI Access - Tabs, RPL [ORCL CPRS ACCESS]
MI Miscellaneous Parameters [OR PARAM ORDER MISC]
NO Notification Mgmt Menu ... [ORB NOT COORD MENU]
OC Order Checking Mgmt Menu ... [ORK ORDER CHK MGMT MENU]
MM Order Menu Management ... [ORCM MGMT]
LI Patient List Mgmt Menu ... [ORLP PATIENT LIST MGMT]
FP Print Formats [ORCL PRINT FORMAT]
PR Print/Report Parameters ... [OR PARAM PRINTS]
RE Release/Cancel Delayed Orders [ORC DELAYED ORDERS]
US Unsigned orders search [OR UNSIGNED ORDERS]
EX Set Unsigned Orders View on Exit [OR PARAM UNSIGNED ORDERS VIEW]
NA Search orders by Nature or Status [OR NATURE/STATUS ORDER SEARCH]
DO Event Delayed Orders Menu ... [OR DELAYED ORDERS]
PM Performance Monitor Report [OR PERFORMANCE MONITOR]
```

2. Select the Event Delayed Orders Menu by typing **DO**.

The following menu will appear:

```
DO Delayed Orders/Auto-DC Set-up [OR DELAYED ORDERS EDITOR]
EP Parameters for event delayed orders [OR EVENT PARAMETERS]
IN Inquire to OE/RR Patient Event File [OR PATINET EVENT INQUIRY]
```



3. Select Parameters for event delayed orders by typing **EP**.
4. Select Write orders list by event by typing **1**.
5. Choose how you would like to edit the ORWDX WRITE ORDERS EVENT LIST parameter by typing one of the following at the *Enter Selection* prompt:
  - 2 – for user level
  - 4 – for location level
  - 5 – for service level
  - 7 – for division level
  - 8 – for system level
6. If you selected 2, the *Select NEW PERSON NAME* prompt will appear. If you selected 4, the *Select HOSPITAL LOCATION NAME* prompt will appear. If you selected 5, the *Select SERVICE/SECTION NAME* prompt will appear. If you selected 7, the *Select INSTITUTION NAME* prompt will appear. Type the appropriate response. If you selected 8, skip to step 6.
7. At the *Select Release Event* prompt, type the name of the release event.
8. Enter **Y** or **Yes** at the Are you adding [RELEASE EVENT NAME] as a new Release Event? prompt.
9. The release event you entered in step 6 will appear. Verify that this is the correct release event and hit **Return**.
10. Type the name of the order dialog or the display text at the *Value* prompt.
11. Repeat steps 6-9 for additional release events. When you are finished, press Return at the *Select Release Event* prompt.

## Controlling who can Manually Release Orders

The OREVNT MANUAL RELEASE CONTROL and OREVNT MANUAL RELEASE parameters determine who can manually release an event-delayed order.

The OREVNT MANUAL RELEASE CONTROL parameter determines if the permission to manually release an event-delayed order is granted by:

- the ORES and ORELSE keys (keys only).
- the OREVNT MANUAL RELEASE parameter (manual release parameter only).  
-or-
- the ORES and ORELSE keys and the OREVNT MANUAL RELEASE parameter (both keys and parameter).

The OREVNT MANUAL RELEASE parameter must also be set if the OREVNT MANUAL RELEASE CONTROL parameter is set to “manual release parameter only” or to “both keys and parameter.”

**To set the OREVNT MANUAL RELEASE CONTROL parameter, follow these steps:**

1. Open the CPRS Configuration (Clin Coord) menu [OR PARAM COORDINATOR MENU].

```
AL Allocate OE/RR Security Keys [ORCL KEY ALLOCATION]
KK Check for Multiple Keys [ORE KEY CHECK]
DC Edit DC Reasons [ORCL ORDER REASON]
GP GUI Parameters ... [ORW PARAM GUI]
GA GUI Access - Tabs, RPL [ORCL CPRS ACCESS]
MI Miscellaneous Parameters [OR PARAM ORDER MISC]
NO Notification Mgmt Menu ... [ORB NOT COORD MENU]
OC Order Checking Mgmt Menu ... [ORK ORDER CHK MGMT MENU]
MM Order Menu Management ... [ORCM MGMT]
LI Patient List Mgmt Menu ... [ORLP PATIENT LIST MGMT]
FP Print Formats [ORCL PRINT FORMAT]
PR Print/Report Parameters ... [OR PARAM PRINTS]
RE Release/Cancel Delayed Orders [ORC DELAYED ORDERS]
US Unsigned orders search [OR UNSIGNED ORDERS]
EX Set Unsigned Orders View on Exit [OR PARAM UNSIGNED ORDERS VIEW]
NA Search orders by Nature or Status [OR NATURE/STATUS ORDER SEARCH]
DO Event Delayed Orders Menu ... [OR DELAYED ORDERS]
PM Performance Monitor Report [OR PERFORMANCE MONITOR]
```

2. Select the Event Delayed Orders Menu by typing **DO**.

The following menu will appear:

```
DO Delayed Orders/Auto-DC Set-up [OR DELAYED ORDERS EDITOR]
EP Parameters for event delayed orders [OR EVENT PARAMETERS]
IN Inquire to OE/RR Patient Event File [OR PATINET EVENT INQUIRY]
```

3. Select Parameters for event delayed orders by typing **EP**.

The following menu will appear:

```
Select one of the following:
1      Write orders list by event
2      Default release event
3      Default release event list
4      Manual release controlled by
5      Set manual release parameter
```

4. Type **4** to select Manual release controlled by.
5. Choose how you would like to set the OREVNT MANUAL RELEASE CONTROL parameter by typing one of the following at the *Enter Selection* prompt:
  - o **1** – for division level
  - o **2** – for system level
6. If you selected 1, the *Select INSTITUTION NAME* prompt will appear. Type the appropriate response. If you selected 2, skip to step 6.
7. At the *Manual release controlled by* prompt, type one of the following responses:
  - **K (for Keys Only)**  
Use this setting if you would like only users who are assigned the ORES and ORELSE key to manually release event-delayed orders. This is the default setting and the setting that CPRS used prior to the release of patch OR\*3.0\*141.
  - **P (Manual Release Parameter Only)**  
Use this setting if you want the OREVNT MANUAL RELEASE parameter (discussed below) to control who can manually release an event-delayed order.
  - **B (Both Keys and Parameter)**  
If you choose this option, CPRS will first check to see if the user has the ORES or ORELSE key. If they do, they will be allowed to manually release an event-delayed order. If the user does not have the ORES or ORELSE key, CPRS will then check the OREVNT MANUAL RELEASE parameter to see if they should be allowed to manually release the order.  
  
**Note:** If you select P or B, you will also need to set the OREVNT MANUAL RELEASE parameter by following the instructions below in the [Setting the Manual Release Parameter \(OREVNT MANUAL RELEASE\)](#) section.

## Setting the Manual Release Parameter (OREVNT MANUAL RELEASE)

**Note:** If the OREVNT MANUAL RELEASE CONTROL parameter is set to either P or B, users will be unable to manually release event-delayed orders until the OREVNT MANUAL RELEASE parameter is set. (It is distributed with the system level set to NO).

**To set the OREVNT MANUAL RELEASE parameter, follow these steps:**

1. Open the CPRS Configuration (Clin Coord) menu [OR PARAM COORDINATOR MENU].

```
AL Allocate OE/RR Security Keys [ORCL KEY ALLOCATION]
KK Check for Multiple Keys [ORE KEY CHECK]
DC Edit DC Reasons [ORCL ORDER REASON]
GP GUI Parameters ... [ORW PARAM GUI]
GA GUI Access - Tabs, RPL [ORCL CPRS ACCESS]
MI Miscellaneous Parameters [OR PARAM ORDER MISC]
NO Notification Mgmt Menu ... [ORB NOT COORD MENU]
OC Order Checking Mgmt Menu ... [ORK ORDER CHK MGMT MENU]
MM Order Menu Management ... [ORCM MGMT]
LI Patient List Mgmt Menu ... [ORLP PATIENT LIST MGMT]
```

```

FP Print Formats [ORCL PRINT FORMAT]
PR Print/Report Parameters ... [OR PARAM PRINTS]
RE Release/Cancel Delayed Orders [ORC DELAYED ORDERS]
US Unsigned orders search [OR UNSIGNED ORDERS]
EX Set Unsigned Orders View on Exit [OR PARAM UNSIGNED ORDERS VIEW]
NA Search orders by Nature or Status [OR NATURE/STATUS ORDER SEARCH]
DO Event Delayed Orders Menu ... [OR DELAYED ORDERS]
PM Performance Monitor Report [OR PERFORMANCE MONITOR]

```

2. Select the Event Delayed Orders Menu by typing **DO**.

The following menu will appear:

```

DO Delayed Orders/Auto-DC Set-up [OR DELAYED ORDERS EDITOR]
EP Parameters for event delayed orders [OR EVENT PARAMETERS]
IN Inquire to OE/RR Patient Event File [OR PATINET EVENT INQUIRY]

```

3. Select Parameters for event delayed orders by typing **EP**.

The following menu will appear:

```

Select one of the following:
1      Write orders list by event
2      Default release event
3      Default release event list
4      Manual release controlled by
5      Set manual release parameter

```

4. Type **5** to select Set manual release parameter.
5. Choose how you would like to edit the manual release parameter (OREVNT MANUAL RELEASE) by typing one of the following at the *Enter Selection* prompt:
  - **1** – for user level
  - **2** – for class level
  - **3** – for team level
  - **4** – for location level
  - **5** – for service level
  - **6** – for division level
  - **7** – for system level
6. If you selected 1, the *Select NEW PERSON NAME* prompt will appear. If you selected 2, the *Select USR CLASS NAME* prompt will appear. If you selected 3, the *Select OE/RR LIST NAME* prompt will appear. If you selected 4, the *Select HOSPITAL LOCATION NAME* prompt will appear. If you selected 5, the *Select SERVICE/SECTION NAME* prompt will appear. If you selected 6, the *Select INSTITUTION NAME* prompt will appear. If you selected 7, skip to step 6.
7. At the *Allow manual release prompt*, type **Y** (yes) to allow users to manually release event-delayed orders or type **N** (no) to prevent users from manually releasing event-delayed orders.

## Excluding Display Groups from the *Copy Active Orders* Dialog Box

The OREVNT EXCLUDE DGRP parameter allows you to prevent orders that belong to certain display groups from appearing on the *Copy Active Orders* dialog box.

**To set the OREVNT EXCLUDE DGRP parameter, follow these steps:**

1. Open the CPRS Configuration (Clin Coord) menu [OR PARAM COORDINATOR MENU].

```
AL Allocate OE/RR Security Keys [ORCL KEY ALLOCATION]
KK Check for Multiple Keys [ORE KEY CHECK]
DC Edit DC Reasons [ORCL ORDER REASON]
GP GUI Parameters ... [ORW PARAM GUI]
GA GUI Access - Tabs, RPL [ORCL CPRS ACCESS]
MI Miscellaneous Parameters [OR PARAM ORDER MISC]
NO Notification Mgmt Menu ... [ORB NOT COORD MENU]
OC Order Checking Mgmt Menu ... [ORK ORDER CHK MGMT MENU]
MM Order Menu Management ... [ORCM MGMT]
LI Patient List Mgmt Menu ... [ORLP PATIENT LIST MGMT]
FP Print Formats [ORCL PRINT FORMAT]
PR Print/Report Parameters ... [OR PARAM PRINTS]
RE Release/Cancel Delayed Orders [ORC DELAYED ORDERS]
US Unsigned orders search [OR UNSIGNED ORDERS]
EX Set Unsigned Orders View on Exit [OR PARAM UNSIGNED ORDERS VIEW]
NA Search orders by Nature or Status [OR NATURE/STATUS ORDER SEARCH]
DO Event Delayed Orders Menu ... [OR DELAYED ORDERS]
PM Performance Monitor Report [OR PERFORMANCE MONITOR]
```

2. Select the Event Delayed Orders Menu by typing **DO**.

The following menu will appear:

```
DO Delayed Orders/Auto-DC Set-up [OR DELAYED ORDERS EDITOR]
EP Parameters for event delayed orders [OR EVENT PARAMETERS]
IN Inquire to OE/RR Patient Event File [OR PATINET EVENT INQUIRY]
```

3. Select Parameters for event delayed orders by typing **EP**.

The following menu will appear:

```
Select one of the following:
1      Write orders list by event
2      Default release event
3      Default release event list
4      Manual release controlled by
5      Set manual release parameter
6      Exclude display groups from copy
```

4. Type **6** to select Exclude display groups from copy.
5. Choose how you would like to edit the OREVNT EXCLUDE RELEASE parameter by typing one of the following at the *Enter Selection* prompt:
  - **1** – for division level
  - **2** – for system level
6. If you selected 1, the *Select INSTITUTION NAME* prompt will appear. Enter the name for the institution. If you selected 2, continue to step 6.

7. At the *Select Entry Number* prompt, type a number for the entry. The number you enter is simply a placeholder.
8. If necessary, type **Y** or **Yes** at the Are you adding [number] as a new Entry Number?
9. The number you entered in step 6 will appear. Press **Return**.
10. Select the display group that you wish to exclude from the *Copy Active Orders* dialog.

## Changing the Display

The change display function allows you to adjust the size of the Delayed Orders / Auto-DC Set-up editor and configure the display to show active entries, inactive entries, or all entries.

**To change the size or content of the display, follow these steps:**

1. Open the CPRS Configuration (Clin Coord) menu [OR PARAM COORDINATOR MENU].

```
AL Allocate OE/RR Security Keys [ORCL KEY ALLOCATION]
KK Check for Multiple Keys [ORE KEY CHECK]
DC Edit DC Reasons [ORCL ORDER REASON]
GP GUI Parameters ... [ORW PARAM GUI]
GA GUI Access - Tabs, RPL [ORCL CPRS ACCESS]
MI Miscellaneous Parameters [OR PARAM ORDER MISC]
NO Notification Mgmt Menu ... [ORB NOT COORD MENU]
OC Order Checking Mgmt Menu ... [ORK ORDER CHK MGMT MENU]
MM Order Menu Management ... [ORCM MGMT]
LI Patient List Mgmt Menu ... [ORLP PATIENT LIST MGMT]
FP Print Formats [ORCL PRINT FORMAT]
PR Print/Report Parameters ... [OR PARAM PRINTS]
RE Release/Cancel Delayed Orders [ORC DELAYED ORDERS]
US Unsigned orders search [OR UNSIGNED ORDERS]
EX Set Unsigned Orders View on Exit [OR PARAM UNSIGNED ORDERS VIEW]
NA Search orders by Nature or Status [OR NATURE/STATUS ORDER SEARCH]
DO Event Delayed Orders Menu ... [OR DELAYED ORDERS]
PM Performance Monitor Report [OR PERFORMANCE MONITOR]
```

2. Select the Event Delayed Orders Menu by typing DO.

The following menu will appear:

```
DO Delayed Orders/Auto-DC Set-up [OR DELAYED ORDERS EDITOR]
EP Parameters for event delayed orders [OR EVENT PARAMETERS]
IN Inquire to OE/RR Patient Event File [OR PATINET EVENT INQUIRY]
```

3. Select Delayed Orders/Auto-DC Set-up by typing DO.
4. Select either Auto-DC rules or Release Events by typing either 1 or 2.
5. Select Change display by typing CD.
6. Type Y or N at the Do you want to truncate/expand this display? prompt.
7. Type Y or N at the Terminal emulator in 80-column mode? prompt.

8. At the Select which entries should appear on the list prompt type one of the following numbers:
- **1** for active entries only
  - **2** for inactive entries only
  - **3** for all entries

The orders that you specified will be displayed.

## Files Associated with Release Events

This file contains the locally-defined events that can release delayed orders within each division. It is strongly recommended that this file not be edited with File Manager. Instead, CACs should use the event-delayed orders menu [OR DELAYED ORDERS]

| Fields in OE/RR RELEASE EVENTS (#100.5) |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Field Number                            | Field Name             | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| .1                                      | SHORT NAME             | This field contains a shorter version of the Display Text field. The Short Name is used to display and group delayed orders on the Orders tab when space is limited.                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 1                                       | INACTIVATED            | This field contains the date and time that this release event will become inactive. Once this date/time has passed, you will no longer be able to delay new orders to this release event. However, any event-delayed orders that are already associated with this release event will still be released when the event occurs.                                                                                                                                                                                                                                                                                               |
| ,1.5                                    | ACTIVATION HISTORY     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 100.52, .01                             | ACTIVATION DATE/TIME   | The date/time that this event was activated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 100.52 ,1                               | INACTIVATION DATE/TIME | The date/time that this event was inactivated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 2                                       | TYPE OF EVENT          | <p>This is the event that should cause delayed orders to be released to the service(s) for action.</p> <p>For OR events, the orders will be released when the TIME PAT IN OR field is entered in the Surgery package.</p> <p>Orders delayed for Manual Release will not be automatically released by CPRS at all and can only be released via the "Release to Service" action by a user who is authorized to do so.</p> <p>Authorization is controlled by the parameter OREVNT MANUAL RELEASE CONTROL, which lets sites choose whether release is controlled by keys or by the parameter OREVNT MANUAL RELEASE or both.</p> |
| 3                                       | DIVISION               | This is the division that this event will apply to. For transfers across divisions, this field should be the new division that the patient is going to.                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 4                                       | EVENT ORDER            | This field contains the name of the dialog that will                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |



|   |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | DIALOG                       | <p>appear when you are writing a generic event-delayed order that requests this release event. If such an order is not necessary for this event, leave this field empty.</p> <p>Unlike other delayed orders, the order created by this dialog will become active right away when signed and be visible on the Active Orders view as well as with the delayed orders on the Orders tab.</p>                                                                                                                                                  |
| 5 | ORDER SET/MENU               | <p>This is a menu or order set containing items that are either necessary or commonly ordered when this event occurs.</p> <p>The menu or order specified in this field will be invoked when first placing delayed orders for this event. If an EVENT ORDER DIALOG was defined for this event, this order set/menu will be presented to the user immediately following that dialog. This field may be any type of order dialog except prompt types.</p> <p><b>Note:</b> Order sets listed in this field should be part of an order menu.</p> |
| 6 | LAPSE IN #DAYS               | <p>Patient events are evaluated whenever delayed orders are acted upon or viewed. If the number of days specified in this field have passed since delayed orders were entered for this event and for this patient, then the status of all orders delayed for this event will be changed to "lapsed" and the patient event itself will be terminated. The orders can no longer be released to the service.</p>                                                                                                                               |
| 7 | MAS MOVEMENT TYPE            | <p>This is an MAS Movement Type that can further define this event. This field is optional, but if it is defined then it must match the patient's movement data to satisfy the event and cause any delayed orders to be released.</p> <p>For example, to have delayed orders released when a patient returns from pass, enter the movement type of AUTH ABSENCE 96 HOURS OR LESS, or leave this field empty to have the transfer event defined by other criteria such as treating specialty or ward location.</p>                           |
| 8 | DISPLAY TEXT                 | <p>This field is the name of the event as it will appear to the user in CPRS.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 9 | ORDERING PARAMETERS LOCATION | <p>Many order dialogs use parameters that depend on location. The location specified in the Ordering Parameters Location field is used as the default</p>                                                                                                                                                                                                                                                                                                                                                                                   |

|             |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|             |                               | <p>location for retrieving those parameter values when delaying orders to this event.</p> <p>The patient's actual location will be saved with the order at the time of its release.</p>                                                                                                                                                                                                                                                                                                                                            |
| 10          | INCLUDED TREATING SPECIALTIES | The treating specialties in this field are the treating specialties that can satisfy this event. If the patient's new specialty matches a specialty in this field, then orders delayed for this event may be released.                                                                                                                                                                                                                                                                                                             |
| 100.51,.01  | INCLUDED TREATING SPECIALTIES | <p>This is a treating specialty that can satisfy this event. If the treating specialty is defined, then the patient's new specialty must match one in this list in order for any delayed orders to be released. A specialty may only be included in one active release event at a time.</p> <p>If locations are also defined for this event then both the treating specialty and the location must match for orders to be released.</p>                                                                                            |
| 11          | INCLUDED LOCATIONS            | These are ward locations that can satisfy this event. If the patient's new location matches a location in this list, then orders delayed for this event may be released.                                                                                                                                                                                                                                                                                                                                                           |
| 100.511,.01 | INCLUDED LOCATIONS            | <p>This is a ward location that can satisfy this event. If defined, then the patient's new location must match a location in this list for any delayed orders to be released.</p> <p>A location may only be included in one active release event at a time. If this event also has treating specialties defined, then both the location and the treating specialty must match for orders to be released.</p>                                                                                                                       |
| 12          | EDIT HISTORY                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 100.512,.01 | EDIT HISTORY                  | This field tracks when an event was added. It also tracks when the edit options were used on this event.                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 100.512,1   | WHO ENTERED/EDITED            | This field identifies the person who entered or edited the release event.                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 13          | COPY ACTIVE ORDERS            | <p>This field determines whether or not the user is presented with a list of patient's active orders, which may be copied to the new release event.</p> <p>If this field is set to <b>no</b> then the user will not see the patient's active orders and will not be allowed to copy any current orders.</p> <p>If this field is set to <b>yes</b> then the user will see the patient's active orders and may select orders to copy to the to the release event.</p> <p>The list of active orders will be presented to the user</p> |

|  |  |                                                                                                                                                           |
|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  | after the ORDER DIALOG for the release event is processed (if it exists) and before the ORDER SET/MENU for the release event is processed (if it exists). |
|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------|

## Automatically Discontinuing Orders (Auto-DC Rules)

A CAC can set up rules that will automatically discontinue an order when a specific event occurs. These rules are known as auto-DC rules. For example, a CAC can set up an auto-DC rule named “Transfer to Medicine Treating Specialty” that automatically discontinues all lab, pharmacy, and diet orders when a patient is transferred to a medicine treating specialty. Although the auto-DC rule will discontinue lab, pharmacy, and diet orders, all other orders will remain active. A number of variables can be used in auto-DC rules, including specific divisions, orderable items, locations, and MAS movement types.

Prior to the release of OR\*3\*142 and OR\*3\*141, you could not specify which orders would be automatically discontinued when the specified event occurred. Instead, all of the orders would be discontinued.

**Note:** OR\*3.0\*142 changes the way auto-DC rules are created and processed. After OR\*3.0\*142 is installed, existing auto-DC parameters will be converted into entries in the OE/RR Auto-DC Rules file (#100.6). The entries in the OE/RR Auto-DC Rules are for your division. Multidivisional sites will need to make copies of these rules for the other divisions in the system.

### Creating a New Auto-DC Rule

**Note:** Auto-DC rules are stored in the OE/RR AUTO-DC RULES file (#100.6)

**To create a new auto-DC rule, follow these steps:**

1. Open the CPRS Configuration (Clin Coord) menu [OR PARAM COORDINATOR MENU].

```
AL Allocate OE/RR Security Keys [ORCL KEY ALLOCATION]
KK Check for Multiple Keys [ORE KEY CHECK]
DC Edit DC Reasons [ORCL ORDER REASON]
GP GUI Parameters ... [ORW PARAM GUI]
GA GUI Access - Tabs, RPL [ORCL CPRS ACCESS]
MI Miscellaneous Parameters [OR PARAM ORDER MISC]
NO Notification Mgmt Menu ... [ORB NOT COORD MENU]
OC Order Checking Mgmt Menu ... [ORK ORDER CHK MGMT MENU]
MM Order Menu Management ... [ORCM MGMT]
LI Patient List Mgmt Menu ... [ORLP PATIENT LIST MGMT]
FP Print Formats [ORCL PRINT FORMAT]
PR Print/Report Parameters ... [OR PARAM PRINTS]
RE Release/Cancel Delayed Orders [ORC DELAYED ORDERS]
US Unsigned orders search [OR UNSIGNED ORDERS]
EX Set Unsigned Orders View on Exit [OR PARAM UNSIGNED ORDERS VIEW]
NA Search orders by Nature or Status [OR NATURE/STATUS ORDER SEARCH]
DO Event Delayed Orders Menu ... [OR DELAYED ORDERS]
PM Performance Monitor Report [OR PERFORMANCE MONITOR]
```

2. Select the Event Delayed Orders Menu by typing DO.

The following menu will appear:

DO Delayed Orders/Auto-DC Set-up [OR DELAYED ORDERS EDITOR]  
 EP Parameters for event delayed orders [OR EVENT PARAMETERS]  
 IN Inquire to OE/RR Patient Event File [OR PATINET EVENT INQUIRY]

3. Select Delayed Orders/Auto-DC Set-up by typing DO.
4. Type 1.  
The existing auto-DC rules will appear.
5. Select Add/Edit by typing AE.
6. Press Return at the Select item(s) prompt.
7. Type a name for the new rule at the Select OE/RR AUTO-DC RULES NAME prompt.

**Note:** The name should uniquely identify the rule. This is especially important at multidivisional sites.

8. Type Y or Yes at the Are you adding [rule name] as a new OE/RR AUTO-DC RULES? prompt.
9. Enter one of the following letters at the OE/RR AUTO-DC RULES TYPE OF EVENT prompt:
  - **A** for an admission event.
  - **T** for a transfer event.
  - **D** for a discharge event.
  - **S** for a specialty transfer event.
  - **O** for an O.R. event.

**Note:** Patch SR\*3.0\*110 is required to create O.R. rules.

10. Enter the division that this auto-dc rule will apply to at the OE/RR AUTO-DC RULES DIVISION prompt.
  - For admission rules, enter the admitting location.
  - For discharge rules, enter the location the patient will be discharged from.
  - For O.R. rules, enter the location where the patient will have the procedure.
  - For transfer and specialty transfer events the division reflects the receiving location.
11. Enter Y or N at the Do you want to copy from an existing entry? prompt.
12. You will be prompted to enter additional required information. Once you have entered all the required information, the You have now entered the required fields and may ^ to exit prompt will appear. If you do not wish to further define this auto-DC rule, type ^ to exit. If you would like to enter additional information, please refer to the Explanation of Auto-DC Rules Prompts (fields in the OE/RR AUTO-DC RULES file #100.6) topic.

**Note:** You can also create a new auto-DC rule from the detailed display screen.

**Note:** New auto-DC rules are inactive by default and must be activated by following the steps in Activating/Inactivating an Auto-DC rule before they are used.

## Explanation of Auto-DC Rules Prompts (fields in the OE/RR AUTO-DC RULES FILE #100.6)

The list below explains the additional prompts (fields) that you may encounter when entering a new auto-DC rule:

- *Display Text* – The name of the auto-DC rule as it will appear to CPRS users.
- *Division* – The division that the auto-DC rule will apply to.
  - For admission rules, the division reflects the admitting location.
  - For discharge rules, the division reflects the location the patient is discharged from.
  - For O.R. rules, the division reflects the location where the patient is having the procedure.
  - For transfer and specialty transfer events, the division reflects the receiving location.
- *DC Reason* – The reason that this auto-DC rule will discontinue an order.
- *Excluded Display Groups* – The groups of orders (often subsets of the included packages) that are exceptions to this rule (should not cause the order to be discontinued).
- *Excluded Treating Specialties* – The specific sending and receiving specialties that are exceptions to the rule (should not cause an order to be discontinued). This prompt (field) is specific to specialty transfer events.
- *Except for Orderable Item* – An orderable item that is an exception to the rule (should not cause an order to be discontinued).
- *Except from Observation* – The field indicates whether a patient leaving an observation treating specialty should be an exception to this rule. This field is only used in discharge rules.

This field can be set in the following ways:

  - **Yes** – if you set the field to yes, a discharge from an observation treating specialty will always be an exception to this rule (should not cause an order to be discontinued).
  - **No** – if you set this field to no, this rule will be applied regardless of whether the patient is discharged from an observation treating specialty.
  - **If Readmitting** – If you set this field to If Readmitting, the user will be prompted to enter whether the patient will be immediately readmitted. If the user answers yes, the order will not be automatically discontinued. If the user answers no, the rule will be applied.
- *Inactivated* – After the date/time listed in this field, the rule will no longer be applied.
- *Included Divisions* – For multidivisional sites, the specific sending divisions that are included in this rule.
- *Included Locations* – The specific sending and receiving wards that the auto-DC rule will apply to. This prompt (field) is only used with transfer events (no specialty change).
- *MAS Movement Type* – The MAS movement type that will trigger the auto-DC rule.

For a specialty transfer rule, the only movement type allowed is “Provider Specialty Change”. However, any transfer that includes a specialty change will trigger this rule, even if another movement type is entered.

- *Type of Event* – The type of event that will trigger the auto-DC rule. The value of this field can be A (admission event), T (transfer event), D (discharge event), S (specialty transfer event), or O (O.R event).
- *Type of Orders to DC* – Orders generated by the VistA package specified in this field will be discontinued.

## Sample Rules

### Sample Admission Rule

|                                       |                       |       |        |
|---------------------------------------|-----------------------|-------|--------|
| Detailed Display                      | Dec 00, 2004@00:00:00 | Page: | 1 of 1 |
| Name:                                 | ADMISSION             |       |        |
| Inactivated:                          |                       |       |        |
| Type of event:                        | ADMISSION             |       |        |
| Admit to division:                    | SUPPORT ISC           |       |        |
| Dc reason:                            | Admit                 |       |        |
| Display text:                         | ADMISSION             |       |        |
| Movement Types:                       |                       |       |        |
| AMBULATORY CARE (OPT-AC)              |                       |       |        |
| TRANSFER IN                           |                       |       |        |
| DIRECT                                |                       |       |        |
| READMISSION TO IMLTC/NHCU/DOMICILIARY |                       |       |        |
| NON-SERVICE CONNECTED (OPT-NSC)       |                       |       |        |
| PRE-BED CARE (OPT-PBC)                |                       |       |        |
| NON-VETERAN (OPT-NVE)                 |                       |       |        |
| WAITING LIST                          |                       |       |        |
| OPT-SC                                |                       |       |        |
| Included Packages:                    |                       |       |        |
| ORDER ENTRY/RESULTS REPORTING         |                       |       |        |

### **Sample Discharge Rule**

|                                 |                       |              |
|---------------------------------|-----------------------|--------------|
| Detailed Display                | Dec 00, 2004@00:00:00 | Page: 1 of 2 |
| Name:                           | DISCHARGE             |              |
| Inactivated:                    |                       |              |
| Type of event:                  | DISCHARGE             |              |
| Discharge from division:        | SALT LAKE CITY        |              |
| Dc reason:                      | Discharge             |              |
| Display text:                   | DISCHARGE             |              |
| Except from observation:        |                       |              |
| Movement Types:                 |                       |              |
| TRANSFER OUT                    |                       |              |
| NON-SERVICE CONNECTED (OPT-NSC) |                       |              |
| REGULAR                         |                       |              |
| IRREGULAR                       |                       |              |
| OPT-SC                          |                       |              |
| NON-BED CARE                    |                       |              |
| TO IMLTC/NHCU FROM HOSP         |                       |              |
| TO DOM FROM HOSP                |                       |              |
| TO IMLTC/NHCU FROM DOM          |                       |              |
| DISCHARGE TO CNH                |                       |              |
| VA IMLTC/NHCU TO CNH            |                       |              |

The *Except from observation* field is specific to discharge auto-DC rules.

### **Sample Discharge/Death Rule**

|                                               |                       |              |
|-----------------------------------------------|-----------------------|--------------|
| Detailed Display                              | Dec 27, 2004@17:28:09 | Page: 1 of 2 |
| Name:                                         | DEATH                 |              |
| Inactivated:                                  |                       |              |
| Type of event:                                | DISCHARGE             |              |
| Discharge from division:                      | SUPPORT ISC           |              |
| Dc reason:                                    | Death                 |              |
| Display text:                                 | DEATH                 |              |
| Movement Types:                               |                       |              |
| DEATH                                         |                       |              |
| DEATH WITH AUTOPSY                            |                       |              |
| Included Packages:                            |                       |              |
| ORDER ENTRY/RESULTS REPORTING                 |                       |              |
| DIETETICS                                     |                       |              |
| CONSULT/REQUEST TRACKING                      |                       |              |
| RADIOLOGY/NUCLEAR MEDICINE                    |                       |              |
| Activation History:                           |                       |              |
| Activated: Jul 00, 2002@00:00:00 Inactivated: |                       |              |

You can enter death and death with autopsy movement types for discharge/death rules.

### **Sample Specialty Change Rule**

|                                                      |                           |       |        |
|------------------------------------------------------|---------------------------|-------|--------|
| Detailed Display                                     | Dec 00, 2004@00:00:00     | Page: | 1 of 1 |
| Name:                                                | SPECIALTY CHANGE          |       |        |
| Inactivated:                                         |                           |       |        |
| Type of event:                                       | SPECIALTY TRANSFER        |       |        |
| Tr sp change within division:                        | SALT LAKE CITY            |       |        |
| Dc reason:                                           | Treating Specialty Change |       |        |
| Display text:                                        | SPECIALTY CHANGE          |       |        |
| Movement Types:                                      |                           |       |        |
| PROVIDER/SPECIALTY CHANGE                            |                           |       |        |
| Included Packages:                                   |                           |       |        |
| ORDER ENTRY/RESULTS REPORTING                        |                           |       |        |
| Activation History:                                  |                           |       |        |
| Activated: Dec 00, 2002@00:00:00 Inactivated:        |                           |       |        |
| Add/Edit History:                                    |                           |       |        |
| Added on Jul 00, 2002@00:00:00 by CPRSPROVIDER,THREE |                           |       |        |
| Edited on Dec 00, 2002@00:00:00 by GNPROVIDER,TWO    |                           |       |        |

A Specialty change rule

### **Sample Transfer Rule: On PASS**

|                                                    |                       |              |
|----------------------------------------------------|-----------------------|--------------|
| Detailed Display                                   | Dec 00, 2004@00:00:00 | Page: 1 of 1 |
| Name:                                              | ON PASS               |              |
| Inactivated:                                       | JUL 00, 2002@00:00:00 |              |
| Type of event:                                     | TRANSFER              |              |
| Trans to/within division:                          | SUPPORT ISC           |              |
| Dc reason:                                         | Pass                  |              |
| Display text:                                      | ON PASS               |              |
| Movement Types:                                    |                       |              |
| AUTH ABSENCE 96 HOURS OR LESS                      |                       |              |
| AUTHORIZED ABSENCE                                 |                       |              |
| UNAUTHORIZED ABSENCE                               |                       |              |
| Add/Edit History:                                  |                       |              |
| Added on Jul 00, 2002@00:00:00 by CPRSPROVIDER,TEN |                       |              |

Note the movement types and the lack of included locations or divisions. Also notice the add/edit history



### **Sample Transfer Rule: ASIH**

|                                                    |                       |              |
|----------------------------------------------------|-----------------------|--------------|
| Detailed Display                                   | Dec 00, 2004@00:00:00 | Page: 1 of 1 |
| Name:                                              | FROM ASIH             |              |
| Inactivated:                                       | JUL 00, 2002@00:00:00 |              |
| Type of event:                                     | TRANSFER              |              |
| Trans to/within division:                          | SUPPORT ISC           |              |
| Dc reason:                                         | ASIH                  |              |
| Display text:                                      | FROM ASIH             |              |
| Except from observation:                           |                       |              |
| Movement Types:                                    |                       |              |
| FROM ASIH (VAH)                                    |                       |              |
| Add/Edit History:                                  |                       |              |
| Added on Jul 00, 2002@00:00:00 by CPRSPROVIDER,TEN |                       |              |

A sample ASIH transfer rule

### **Sample O.R. Rule**

|                                                    |                       |              |
|----------------------------------------------------|-----------------------|--------------|
| Detailed Display                                   | Dec 00, 2004@00:00:00 | Page: 1 of 1 |
| Name:                                              | SURGERY               |              |
| Inactivated:                                       | JUL 00, 2002@00:00:00 |              |
| Type of event:                                     | O.R.                  |              |
| Surgery within division:                           | SUPPORT ISC           |              |
| Dc reason:                                         | Surgery               |              |
| Display text:                                      | SURGERY               |              |
| Included Packages:                                 |                       |              |
| ORDER ENTRY/RESULTS REPORTING                      |                       |              |
| Add/Edit History:                                  |                       |              |
| Added on Jul 00, 2002@00:00:00 by CPRSPROVIDER,TEN |                       |              |

A sample O.R. rule

## **Activating/Inactivating an Auto-DC Rule**

**To activate/inactivate an auto-DC rule, follow these steps:**

1. Open the CPRS Configuration (Clin Coord) menu [OR PARAM COORDINATOR MENU].

|                                                                      |
|----------------------------------------------------------------------|
| AL Allocate OE/RR Security Keys [ORCL KEY ALLOCATION]                |
| KK Check for Multiple Keys [ORE KEY CHECK]                           |
| DC Edit DC Reasons [ORCL ORDER REASON]                               |
| GP GUI Parameters ... [ORW PARAM GUI]                                |
| GA GUI Access - Tabs, RPL [ORCL CPRS ACCESS]                         |
| MI Miscellaneous Parameters [OR PARAM ORDER MISC]                    |
| NO Notification Mgmt Menu ... [ORB NOT COORD MENU]                   |
| OC Order Checking Mgmt Menu ... [ORK ORDER CHK MGMT MENU]            |
| MM Order Menu Management ... [ORCM MGMT]                             |
| LI Patient List Mgmt Menu ... [ORLP PATIENT LIST MGMT]               |
| FP Print Formats [ORCL PRINT FORMAT]                                 |
| PR Print/Report Parameters ... [OR PARAM PRINTS]                     |
| RE Release/Cancel Delayed Orders [ORC DELAYED ORDERS]                |
| US Unsigned orders search [OR UNSIGNED ORDERS]                       |
| EX Set Unsigned Orders View on Exit [OR PARAM UNSIGNED ORDERS VIEW]  |
| NA Search orders by Nature or Status [OR NATURE/STATUS ORDER SEARCH] |
| DO Event Delayed Orders Menu ... [OR DELAYED ORDERS]                 |
| PM Performance Monitor Report [OR PERFORMANCE MONITOR]               |

2. Select the Event Delayed Orders Menu by typing **DO**.

The following menu will appear:

|                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DO Delayed Orders/Auto-DC Set-up [OR DELAYED ORDERS EDITOR]<br>EP Parameters for event delayed orders [OR EVENT PARAMETERS]<br>IN Inquire to OE/RR Patient Event File [OR PATINET EVENT INQUIRY] |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

3. Select Delayed Orders/Auto-DC Set-up by typing **DO**.

4. Type **1** to select Auto-DC Rules.

The available auto-DC rules will appear in a numbered list.

5. Select Activate/Inactivate by typing **AI**.

6. Type the number of the rule you would like to activate/inactivate at the Select item(s) prompt.

7. The computer will display a message asking you if you are sure you want to activate/inactivate this auto-DC rule. Type the appropriate response.

**Note:** You can also activate/inactivate an auto-DC rule from the detailed display screen.

## Editing an Auto-DC Rule

To edit an auto-DC rule, follow these steps:

1. Open the CPRS Configuration (Clin Coord) menu [OR PARAM COORDINATOR MENU].

```
AL Allocate OE/RR Security Keys [ORCL KEY ALLOCATION]
KK Check for Multiple Keys [ORE KEY CHECK]
DC Edit DC Reasons [ORCL ORDER REASON]
GP GUI Parameters ... [ORW PARAM GUI]
GA GUI Access - Tabs, RPL [ORCL CPRS ACCESS]
MI Miscellaneous Parameters [OR PARAM ORDER MISC]
NO Notification Mgmt Menu ... [ORB NOT COORD MENU]
OC Order Checking Mgmt Menu ... [ORK ORDER CHK MGMT MENU]
MM Order Menu Management ... [ORCM MGMT]
LI Patient List Mgmt Menu ... [ORLP PATIENT LIST MGMT]
FP Print Formats [ORCL PRINT FORMAT]
PR Print/Report Parameters ... [OR PARAM PRINTS]
RE Release/Cancel Delayed Orders [ORC DELAYED ORDERS]
US Unsigned orders search [OR UNSIGNED ORDERS]
EX Set Unsigned Orders View on Exit [OR PARAM UNSIGNED ORDERS VIEW]
NA Search orders by Nature or Status [OR NATURE/STATUS ORDER SEARCH]
DO Event Delayed Orders Menu ... [OR DELAYED ORDERS]
PM Performance Monitor Report [OR PERFORMANCE MONITOR]
```

2. Select the Event Delayed Orders Menu by typing **DO**.

The following menu will appear:

```
DO Delayed Orders/Auto-DC Set-up [OR DELAYED ORDERS EDITOR]
EP Parameters for event delayed orders [OR EVENT PARAMETERS]
IN Inquire to OE/RR Patient Event File [OR PATINET EVENT INQUIRY]
```

3. Select Delayed Orders/Auto-DC Set-up by typing **DO**.
4. Type **1** to select Auto-DC Rules  
The available auto-DC rules will appear in a numbered list.
5. Select Add/Edit by typing **AE**.
6. Type the number of the rule that you wish to edit at the *Select item(s)* prompt.
7. The content of each of the rule's fields will be displayed. You can either change the contents of the field, or press Return to advance to the next field. Press ^ to exit.

**Note:** You can also add or release an existing auto-DC rule from the detailed display screen.

## Viewing Details of an Auto-DC Rule

To view details of an auto-DC rule, follow these steps:

1. Open the CPRS Configuration (Clin Coord) menu [OR PARAM COORDINATOR MENU].

```
AL Allocate OE/RR Security Keys [ORCL KEY ALLOCATION]
KK Check for Multiple Keys [ORE KEY CHECK]
DC Edit DC Reasons [ORCL ORDER REASON]
GP GUI Parameters ... [ORW PARAM GUI]
GA GUI Access - Tabs, RPL [ORCL CPRS ACCESS]
MI Miscellaneous Parameters [OR PARAM ORDER MISC]
NO Notification Mgmt Menu ... [ORB NOT COORD MENU]
OC Order Checking Mgmt Menu ... [ORK ORDER CHK MGMT MENU]
MM Order Menu Management ... [ORCM MGMT]
LI Patient List Mgmt Menu ... [ORLP PATIENT LIST MGMT]
FP Print Formats [ORCL PRINT FORMAT]
PR Print/Report Parameters ... [OR PARAM PRINTS]
RE Release/Cancel Delayed Orders [ORC DELAYED ORDERS]
US Unsigned orders search [OR UNSIGNED ORDERS]
EX Set Unsigned Orders View on Exit [OR PARAM UNSIGNED ORDERS VIEW]
NA Search orders by Nature or Status [OR NATURE/STATUS ORDER SEARCH]
DO Event Delayed Orders Menu ... [OR DELAYED ORDERS]
PM Performance Monitor Report [OR PERFORMANCE MONITOR]
```

2. Select the Event Delayed Orders Menu by typing **DO**.

The following menu will appear:

```
DO Delayed Orders/Auto-DC Set-up [OR DELAYED ORDERS EDITOR]
EP Parameters for event delayed orders [OR EVENT PARAMETERS]
IN Inquire to OE/RR Patient Event File [OR PATINET EVENT INQUIRY]
```

3. Select Delayed Orders/Auto-DC Set-up by typing **DO**.
4. Select Auto-DC Rules by typing **1**.

A numbered list of the current auto-DC rules will appear.

5. Choose Detailed Display by typing **DD**.

6. Enter the number of the rule you wish to view at the Select item(s) prompt.

A detailed display of the event or rule will appear.

|                                          |                       |
|------------------------------------------|-----------------------|
| Detailed Display                         | Dec 00, 2004@00:00:00 |
| Name:                                    | DISCHARGE             |
| Inactivated:                             |                       |
| Type of event:                           | DISCHARGE             |
| Discharge from division:                 | SALT LAKE CITY        |
| Dc reason:                               | Discharge             |
| Display text:                            | DISCHARGE             |
| Except from observation:                 |                       |
| Movement Types:                          |                       |
| TRANSFER OUT                             |                       |
| NON-SERVICE CONNECTED (OPT-NSC)          |                       |
| REGULAR                                  |                       |
| IRREGULAR                                |                       |
| OPT-SC                                   |                       |
| NON-BED CARE                             |                       |
| TO IMLTC/NHCU FROM HOSP                  |                       |
| TO DOM FROM HOSP                         |                       |
| TO IMLTC/NHCU FROM DOM                   |                       |
| DISCHARGE TO CNH                         |                       |
| VA IMLTC/NHCU TO CNH                     |                       |
| NON-VETERAN                              |                       |
| WHILE ASIH                               |                       |
| CONTINUED ASIH (OTHER FACILITY)          |                       |
| DISCHARGE FROM IMLTC/NHCU/DOM WHILE ASIH |                       |
| Included Packages:                       |                       |
| ORDER ENTRY/RESULTS REPORTING            |                       |
| DIETETICS                                |                       |

The detailed display screen

### **Audit and Activation History**

The audit and activation histories on the detailed display can be toggled on or off depending on your preferences.

**To toggle the audit and activation histories on or off, follow these steps:**

1. Open the CPRS Configuration (Clin Coord) menu [OR PARAM COORDINATOR MENU].

```
AL Allocate OE/RR Security Keys [ORCL KEY ALLOCATION]
KK Check for Multiple Keys [ORE KEY CHECK]
DC Edit DC Reasons [ORCL ORDER REASON]
GP GUI Parameters ... [ORW PARAM GUI]
GA GUI Access - Tabs, RPL [ORCL CPRS ACCESS]
MI Miscellaneous Parameters [OR PARAM ORDER MISC]
NO Notification Mgmt Menu ... [ORB NOT COORD MENU]
OC Order Checking Mgmt Menu ... [ORK ORDER CHK MGMT MENU]
MM Order Menu Management ... [ORCM MGMT]
LI Patient List Mgmt Menu ... [ORLP PATIENT LIST MGMT]
FP Print Formats [ORCL PRINT FORMAT]
PR Print/Report Parameters ... [OR PARAM PRINTS]
RE Release/Cancel Delayed Orders [ORC DELAYED ORDERS]
US Unsigned orders search [OR UNSIGNED ORDERS]
EX Set Unsigned Orders View on Exit [OR PARAM UNSIGNED ORDERS VIEW]
NA Search orders by Nature or Status [OR NATURE/STATUS ORDER SEARCH]
DO Event Delayed Orders Menu ... [OR DELAYED ORDERS]
PM Performance Monitor Report [OR PERFORMANCE MONITOR]
```

2. Select the Event Delayed Orders Menu by typing **DO**.

The following menu will appear:

```
DO Delayed Orders/Auto-DC Set-up [OR DELAYED ORDERS EDITOR]
EP Parameters for event delayed orders [OR EVENT PARAMETERS]
IN Inquire to OE/RR Patient Event File [OR PATINET EVENT INQUIRY]
```

3. Select Delayed Orders/Auto-DC Set-up by typing **DO**.

The following menu will appear:

```
Select one of the following:
```

```
1. Auto-DC Rules
2. Release Events
Enter response:
```

4. Type **1** to select Auto-DC Rules or **2** to select Release Events.
5. Type **DD** to select Detailed Display.
6. At the *Select item(s)* prompt, type the number of the release event or auto-DC rule that you would like to display.  
A detailed display of the release event or auto-DC rule will appear.
7. Type **H** to select Add/Remove Histories.
8. At the *Do you want to include them on the detailed display?* prompt, type **Y** to include the audit and activation histories on the detailed display. Type **N** if you do not wish to display the audit and activation histories.

## Changing the Display

The change display function allows you to adjust the size of the Delayed Orders / Auto-DC Set-up editor and configure the display to show active entries, inactive entries, or all entries.

**To change the size or content of the display, follow these steps:**

1. Open the CPRS Configuration (Clin Coord) menu [OR PARAM COORDINATOR MENU].

```
AL Allocate OE/RR Security Keys [ORCL KEY ALLOCATION]
KK Check for Multiple Keys [ORE KEY CHECK]
DC Edit DC Reasons [ORCL ORDER REASON]
GP GUI Parameters ... [ORW PARAM GUI]
GA GUI Access - Tabs, RPL [ORCL CPRS ACCESS]
MI Miscellaneous Parameters [OR PARAM ORDER MISC]
NO Notification Mgmt Menu ... [ORB NOT COORD MENU]
OC Order Checking Mgmt Menu ... [ORK ORDER CHK MGMT MENU]
MM Order Menu Management ... [ORCM MGMT]
LI Patient List Mgmt Menu ... [ORLP PATIENT LIST MGMT]
FP Print Formats [ORCL PRINT FORMAT]
PR Print/Report Parameters ... [OR PARAM PRINTS]
RE Release/Cancel Delayed Orders [ORC DELAYED ORDERS]
US Unsigned orders search [OR UNSIGNED ORDERS]
EX Set Unsigned Orders View on Exit [OR PARAM UNSIGNED ORDERS VIEW]
NA Search orders by Nature or Status [OR NATURE/STATUS ORDER SEARCH]
DO Event Delayed Orders Menu ... [OR DELAYED ORDERS]
PM Performance Monitor Report [OR PERFORMANCE MONITOR]
```

2. Select the Event Delayed Orders Menu by typing **DO**.

The following menu will appear:

```
DO Delayed Orders/Auto-DC Set-up [OR DELAYED ORDERS EDITOR]
EP Parameters for event delayed orders [OR EVENT PARAMETERS]
IN Inquire to OE/RR Patient Event File [OR PATINET EVENT INQUIRY]
```

3. Select Delayed Orders/Auto-DC Set-up by typing **DO**.

4. The following menu will appear:

```
DO Delayed Orders/Auto-DC Set-up [OR DELAYED ORDERS EDITOR]
EP Parameters for event delayed orders [OR EVENT PARAMETERS]
IN Inquire to OE/RR Patient Event File [OR PATINET EVENT INQUIRY]
```

5. Select Delayed Orders/Auto-DC Set-up by typing **DO**.
6. Select either Auto-DC Rules or Release Events by typing either **1** or **2**.
7. Select Change display by typing **CD**.
8. Type **Y** or **N** at the Do you want to truncate/expand this display? prompt.
9. Type **Y** or **N** at the Terminal emulator in 80-column mode? prompt.
10. At the Select which entries should appear on the list prompt, type one of the following numbers:
  - 1** - for active entries only
  - 2** - for inactive entries only
  - 3** - for all entries

The orders that you specified will be displayed.

## Files Associated with Auto-DC Rules

### **OE/RR AUTO-DC RULES (#100.6)**

This file contains the locally-defined rules that control if and when active orders are automatically discontinued within each division. It is strongly recommended that CACs use the event-delayed orders menu [OR DELAYED ORDERS ] to edit this file rather than using File Manager.

| <b>Fields in OE/RR AUTO-DC RULES (#100.6)</b> |                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Field Number</b>                           | <b>Field Name</b>       | <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| .01                                           | NAME                    | This is the name of the auto-DC rule. It is visible in the Rule Editor only.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| .1                                            | INACTIVATED             | This rule will no longer apply after the date listed in this field.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1.5                                           | ACTIVATION HISTORY      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 100.61,.01                                    | ACTIVATION DATE/TIME    | The date/time that this event was activated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 100.61,1                                      | INACTIVATION DATE/TIME  | This date/time that this event was inactivated.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| .2                                            | TYPE OF EVENT           | This is the event that should cause orders to be automatically discontinued. For OR events, the orders will be discontinued when the TIME PAT IN OR field is entered in the Surgery package.                                                                                                                                                                                                                                                                                                                                                                                                                |
| .3                                            | DIVISION                | This is the division that this auto-dc rule should be applied to. For a transfer across divisions, this field should contain the division that the patient is going to.                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| .4                                            | DC REASON               | This field contains the reason the order was automatically discontinued.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| .5                                            | DISPLAY TEXT            | This field contains the name of the rule as it will appear to CPRS users.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| .6                                            | EXCEPT FROM OBSERVATION | <p>This field indicates if an observation treating specialty should prevent this rule from being applied when the patient is discharged from the observation treating specialty.</p> <ul style="list-style-type: none"> <li>• If the field is set to <b>YES</b> then any discharge from an observation treating specialty will <b>not</b> auto-dc orders</li> <li>• If the field is set to <b>NO</b> then any discharge from an observation treating specialty will auto-dc orders</li> <li>• If this field is set to <b>if readmitting</b> then the person entering the discharge movement will</li> </ul> |



|              |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|              |                               | be asked whether or not the patient will be readmitted immediately following this discharge (if the CPRS protocol is the no-task one). The appropriate action will be taken based on his or her answer.                                                                                                                                                                                                                                                                                                         |
| .30          | MAS MOVEMENT TYPES            | When the MAS movement types defined in this field occur, this rule will be processed (if it is active).                                                                                                                                                                                                                                                                                                                                                                                                         |
| 100.63, .01  | MAS MOVEMENT TYPE             | <p>The MAS Movement Type field further defines the trigger event for this rule. This allows for different rules for various types of MAS events.</p> <p>For example, to define a rule for canceling orders when a patient dies, enter the movement types DEATH and DEATH WITH AUTOPSY.</p> <p>A MAS movement type may only be used in one active rule.</p>                                                                                                                                                      |
| 40           | EXCLUDED TREATING SPECIALTIES | These are treating specialties that will cause this rule to not be processed if the EXCEPT FROM and TO specialties match the patient's transfer.                                                                                                                                                                                                                                                                                                                                                                |
| 100.64, .01  | EXCEPT FROM SPECIALTY         | This is a treating specialty that will prevent this rule from being applied. Specialty transfer rules will discontinue active orders unless the patient is being transferred from this specialty to one listed in the TO SPECIALTY multiple.                                                                                                                                                                                                                                                                    |
| 100.64,1     | TO SPECIALTY                  | These are treating specialties that will cause this rule to not be processed, if the EXCEPT FROM and TO specialties match the patient's transfer.                                                                                                                                                                                                                                                                                                                                                               |
| 100.641, .01 | TO SPECIALTY                  | This is a treating specialty that will prevent this rule from being applied; specialty transfer rules will discontinue active orders unless the patient is being transferred to this specialty from the EXCEPT FROM SPECIALTY.                                                                                                                                                                                                                                                                                  |
| 50           | INCLUDED LOCATIONS            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 100.62,.01   | INCLUDED LOCATIONS ID         | Enter an ID (free text) that will represent an entry in the FROM - TO location matrix. The value of the ID field is insignificant as it simply represents a placeholder. You can use any naming or numbering convention that you want. Orders will not auto-dc for location (ward) type transfers unless the transfer from and transfer to locations are identified within the INCLUDED LOCATIONS from - to entries. If the transfer from and to locations are found in this multiple then orders will auto-dc. |
| 100.62,2     | FROM LOCATION                 | If you did not select <b>YES</b> for the FROM ALL LOCATIONS field then you must select an                                                                                                                                                                                                                                                                                                                                                                                                                       |

|             |                           |                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|             |                           | individual field for the patient to be coming from.                                                                                                                                                                                                                                                                                                                                                                      |
| 100.62,3    | TO ALL LOCATIONS          | If this field is set to yes, it identifies all locations as possible “to” locations for the from-to pair.                                                                                                                                                                                                                                                                                                                |
| 100.62,4    | TO LOCATION               | If you did not select <b>YES</b> for the <i>TO ALL LOCATIONS</i> field then you must select an individual field for the patient to be going to.                                                                                                                                                                                                                                                                          |
| 60          | INCLUDED DIVISIONS        | If the division the patient was transferred from matches a value in this field, and the division has changed, the rule will be processed.                                                                                                                                                                                                                                                                                |
| 100.66, 01  | FROM DIVISION             | This is a division that will cause this rule to be applied. If a specialty change did not occur with the transfer, and the division has changed, then the patient must be moving from the division specified in this field in order for active orders to be discontinued.                                                                                                                                                |
| 70          | INCLUDED PACKAGES         | Orders associated with the packages specified in this field will be automatically discontinued when this rule is processed.                                                                                                                                                                                                                                                                                              |
| 100.67,.01  | TYPE OF ORDERS TO DC      | This is a package whose active orders are to be automatically discontinued when the conditions of this rule are satisfied.                                                                                                                                                                                                                                                                                               |
| 80          | EXCLUDED ORDERABLE ITEMS  | These are the orderable items that will <b>not</b> be automatically discontinued when this rule is processed.                                                                                                                                                                                                                                                                                                            |
| 100.68,.01  | EXCEPT FOR ORDERABLE ITEM | The orderable items specified in this field are the orderable items that will <b>not</b> be automatically discontinued when this rule is processed                                                                                                                                                                                                                                                                       |
| 81          | EDIT HISTORY              |                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 100.681,.01 | EDIT HISTORY              | This field tracks the entering and editing of rules.                                                                                                                                                                                                                                                                                                                                                                     |
| 100.681,1   | WHO ENTERED/EDITED        | Name of person who added or edited this rule                                                                                                                                                                                                                                                                                                                                                                             |
| 100.681,2   | ACTION                    | This field contains what action was taken on the rule                                                                                                                                                                                                                                                                                                                                                                    |
| 100         | EXCLUDED DISPLAY GROUP    | <p>Any order related to the display group entered in the EXCLUDED DISPLAY GROUP multiple will be exempt from any auto-discontinuing normally triggered by this rule.</p> <p>You can use the excluded display group to protect a group of orders from being auto-discontinued. If an order belonging to this display group is found while processing this rule, it will be skipped and will not be auto-discontinued.</p> |

|            |                                      |                                                                    |
|------------|--------------------------------------|--------------------------------------------------------------------|
| 100.65,.01 | EXCEPT ORDERS<br>IN DISPLAY<br>GROUP | Orders related to this display group will not be auto-discontinued |
|------------|--------------------------------------|--------------------------------------------------------------------|

### **OE/RR PATIENT EVENTS (#100.2)**

This file is used by CPRS to track what happened to a patient's orders as a result of an event, such as an MAS movement or returning from the OR.

| Fields in OE/RR PATIENT EVENTS FILE (#100.2) |                        |                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Field Number                                 | Field Name             | Description                                                                                                                                                                                                                                                                                                                                  |
| .01                                          | Patient                | This is a pointer to the patient file                                                                                                                                                                                                                                                                                                        |
| .1                                           | Activity               | This multiple contains a log of actions taken on this event that are relevant to the release or discontinuance of orders.                                                                                                                                                                                                                    |
| 100.25.01                                    | Date/Time of Activity  | This is the actual date and time that activity occurred.                                                                                                                                                                                                                                                                                     |
| 100.25.2                                     | Type of Event Activity | This field is a code indicating the type of activity that occurred. This may be new, edited, re-entered, manually released, deleted, or cancelled. An event may also be "lapsed" if it stays unprocessed beyond the time frame defined by the "Lapse in #Days" field of the OE/RR<br><br>RELEASE EVENTS file #100.5 for this event.          |
| 100.25.3                                     | User                   | This field is the user who entered or modified the activity.                                                                                                                                                                                                                                                                                 |
| 100.25.4                                     | Event Type             | This field is the type of event that was processed. This could be an admission, discharge, transfer, out of O.R., or specialty change event.                                                                                                                                                                                                 |
| 100.25.5                                     | MAS Movement Type      | This field is the MAS Movement Type of the activity that was processed, if it was a MAS patient movement.                                                                                                                                                                                                                                    |
| 100.25.6                                     | Treating Specialty     | This field is the treating specialty associated with this activity, if it is a MAS patient movement.                                                                                                                                                                                                                                         |
| 100.25.7                                     | Ward Location          | This field is the ward location associated with this activity, if it is a MAS patient movement.                                                                                                                                                                                                                                              |
| .2                                           | Event                  | This field is a pointer to the OE/RR RELEASE EVENTS file, which defines the conditions under which delayed orders are to be released for this patient event, if delayed orders are related to this event.                                                                                                                                    |
| .3                                           | Admission              | This field is a pointer to the Admission movement for which this event is valid. If the patient is an inpatient when delayed orders are written, this field will be the current admission. Otherwise, the admission movement will be recorded when the patient is admitted and the orders are released. If the patient is discharged without |

|           |                     |                                                                                                                                                                                                                                                                                      |
|-----------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           |                     | this event occurring, it will be retired and any orders still delayed will be lapsed.                                                                                                                                                                                                |
| .4        | Order               | This field is a pointer to the doctor's order requesting that this event occur for this patient when delayed orders are written.                                                                                                                                                     |
| .5        | Created On          | This field is the timestamp of when this event was entered into the file for this patient.                                                                                                                                                                                           |
| .6        | Created By          | This field is a pointer to the user who entered this event into the file for this patient.                                                                                                                                                                                           |
| .11       | Event Date/Time     | This field is the date and time that this event occurred for this patient; if the event is a MAS movement, this time will be the DATE/TIME from the MAS movement file.                                                                                                               |
| .12       | Patient Movement    | This field is a pointer to the MAS Patient Movement that satisfied this event for this patient; any changes to this movement that alter the conditions of the event will be tracked in the activity log.                                                                             |
| .13       | Auto-DC Rule        | This field is the Auto-DC Rule from file #100.6 that was used to automatically discontinue active orders when this event occurred. Those orders that were dc'd are listed in the Discontinued Orders multiple of this file.                                                          |
| .14       | Surgery             | This field is a pointer to the Surgery case that satisfied this event for this patient when the TIME PAT IN OR field was entered; any changes to this field will be tracked in the Activity log.                                                                                     |
| .20       | Released Orders     | This multiple field contains the orders that were released based on the release event defined in the OE/RR RELEASE EVENTS file #100.5 when this event occurred.                                                                                                                      |
| 100.26.01 | Released Orders     | This field is a pointer to the Orders file #100 of an order that was released as a result of the event occurring.                                                                                                                                                                    |
| .30       | Discontinued Orders | This multiple contains the orders that were automatically discontinued based on the rules defined in the OE/RR AUTO-DC RULES file #100.6 when this event occurred.                                                                                                                   |
| 100.27.01 | Discontinued Orders | This field is the number of the order in the Orders file #100.                                                                                                                                                                                                                       |
| 100.62, 3 | To all Locations    | This is a hospital location that will cause this rule to be applied; if no specialty change occurs with the transfer, then the patient must be moving to this location from the FROM LOCATION for active orders to be discontinued.                                                  |
| 100.62, 4 | To Location         | <p>If you did not set the TO ALL LOCATIONS field to YES then you must specify the location the patient is moving TO that will match with the selection made for the FROM location (either all or individual).</p> <p>This is a hospital location that will cause this rule to be</p> |

|             |                                |                                                                                                                                                                                                                                                |
|-------------|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|             |                                | applied; if no specialty change occurs with the transfer, then the patient must be moving to this location from                                                                                                                                |
| 60          | Included Divisions             | These are the divisions that will cause this rule to be processed, if the FROM division matches the patient's transfer.                                                                                                                        |
| 100.66,.01  | From Division                  | This is a division that will cause this rule to be applied; if no specialty change occurs with the transfer, then the patient must be moving from this division for active orders to be discontinued.                                          |
| 70          | Included Packages              | These are the packages whose orders are to be automatically discontinued when this rule is processed.                                                                                                                                          |
| 100.67,.01  | Type of Orders to DC           | This is a package whose active orders are to be automatically discontinued when the conditions of this rule are satisfied.                                                                                                                     |
| 80          | EXCLUDED ORDERABLE ITEMS       | These are the orderable items that are NOT to be automatically discontinued when this rule is processed, even if an order for it belongs to a package in the INCLUDED PACKAGES multiple.                                                       |
| 100.68, .01 | EXCEPT FOR ORDERABLE ITEM      | This is an orderable item that will be exempt from any automatic discontinuing of orders normally triggered by this rule; if an active order for this item is encountered while processing this rule, it will be skipped and not discontinued. |
| 81          | Edit History                   |                                                                                                                                                                                                                                                |
| 100.681,.01 | Edit History                   | Tracks the entering and editing of rules.                                                                                                                                                                                                      |
| 100.681,1   | WHO ENTERED/EDITED             | Name of person who added or edited this rule                                                                                                                                                                                                   |
| 100.681,2   | Action                         | What action was taken on the rule?                                                                                                                                                                                                             |
| 100         | Excluded Display Group         |                                                                                                                                                                                                                                                |
| 100.65, .01 | Except Orders in Display Group | Any order related to the display group entered in the excluded display group multiple will be exempt from any auto-discontinuing normally triggered by this rule.                                                                              |

## Frequently Asked Questions about Event-Delayed Orders and Automatically Discontinuing Orders (Auto-DC Rules)

**1. Can you disable the ability to write delayed orders?**

Yes. If a site has not defined any release events, then a user cannot write event-delayed orders.

**2. Other packages (such as the Pharmacy package) have parameters that are related to events. Which parameters take precedence, front-door parameters (CPRS parameters) or back-door parameter (package parameters)?**

The package parameters are evaluated first and take precedence. If you want CPRS parameters to take precedence, turn off package parameters.

**3. Can release events be created for non-MAS ward locations?**

Yes. Release events for non-MAS ward locations should be configured as manual release events.

**4. Some sites have created service-display groups to sort generic text orders (for example, PCA and respiratory). Are the DC events related to the service or the display group?**

To identify orders, CPRS look at the package (OE/RR for all generic orders regardless of display group). If you define the OE/RR package as an included package for auto-dc, all generic orders will be discontinued regardless of the display group. However, if the *excluded display group* field is populated, the generic orders that are associated with the display group will not be auto-discontinued.

**5. What happens if there is an excluded orderable item identified in the auto-DC file and the orderable item is changed in the host package?**

The excluded orderable items field should not be used to specify pharmacy items that may change frequently. If the orderable item is changed, the exception will not have any effect.

**6. Should we remove our generic “transfer to” order dialog from the add orders menus?**

Yes, remove it from your add orders menus. However, you can use the “transfer to” order dialog as the order dialog for your transfer release events. You may also use the new OR GXMOVE EVENT dialog which prompts for the release event rather than the treating specialty.

**7. Our Chief of Surgery does not feel that “Intensive Care Surgical” is a treating specialty. He wants, for example, “Vascular Surgery” with location of ICU. What do you suggest?**

There are two answers to this question. You can change your facility treating specialties to be more specific for intensive care. Or, you can create an “Admit to Vascular Surgery Intensive Care” release event and tie it to the appropriate treating specialties.

**8. Can you delay outpatient meds for same-day surgery?**

Yes. You should use manual release in this case.

**9. Treating specialty choices are controlled by MAS. What parameters should I look at or change to add a treating specialty?**

Facility treating specialties are usually edited by HIMMS staff. Please consult with your site staff.

**10. The patient goes from a ward to OR to PACU to ward. The patient is still on ward location when orders are written (e.g. patient is not transferred in the computer). How do we write orders to start in PACU?**

Create a release event called OR to PACU (of type "Surgery"). Set up a print location for each OR room and define the printer in PACU. When the OR nurse enters time out of OR, the post-op orders will release and print to PACU.

If you have other orders that need to release when the patient goes to ward, use the manual release function.

**11. Do surgery events auto-DC in real-time? What happens if the system is down, the surgery information is entered later, and the patient has already returned to the ward?**

Yes, surgery events auto-DC in real-time. When the system is back online, coordinate recovery efforts between surgery staff members who are backloading data and clinicians who are processing orders. If necessary, inactivate the rule while time out of OR is backloaded and then reactivate.

**12. Can you set lapse days differently for each ward or specialty?**

Yes.

**13. Is there a field or other identifier on the orders tab indicating that an active order was originally entered as a delayed order?**

No, however, this information is included in the detailed order display.

**14. Can you make an auto-DC rule that does not auto-dc specific generic text orders (e.g. DNR orders) that remains active throughout the patient's hospitalizations?**

Yes, define it as an excluded orderable item in the appropriate auto-DC rule. You could also create a special display group for this type of order and then add that display group to the "excluded display group" field so that orders belonging to this display group would not be auto-discontinued.

**15. Can MAS discontinue orders when a patient goes to surgery without a treating specialty or ward location change?**

Yes. You can define an auto-DC rule for a surgery type that will discontinue orders based on the time-out of OR.

**16. What is the status of a delayed order that has lapsed?**

The status will be "Lapsed".

## Lapsing Orders

CPRS has a function to lapse delayed orders and unsigned orders after a period of time that sites can set. CPRS lapses orders within one hour after the period of time the site sets have passed as long as the ORMTIME function is working. For example, if the site set unsigned Inpatient Medication orders to lapse after 3 days, CPRS lapses the order between 72 and 73 hours from the date/time that the user accepted the order.

CPRS has two parameters and a field in the delayed order event creation software that control how orders lapse:

- **OR LAPSE ORDERS parameter** – For unsigned orders, this parameter controls after how many days the order in a specified display group should lapse. Each display group can have a different number of days. There is no default setting for this parameter. Sites must set this value if they want the orders from different display groups to lapse at the same time. This parameter works in conjunction with the OR LAPSE ORDERS DFLT parameter explained below. To have order lapse for after a specified number of days, site will have to set this parameter. To set this parameter, use IR CPRS Configuration (IRM), then XX General Parameter Tools, and EP Edit Parameter Values.
- **OR LAPSE ORDERS DFLT parameter** – For unsigned orders, this parameter sets a default number of days after which orders will lapse if the number of days is not already defined for their display group in the OR LAPSE ORDERS parameter. This parameter does not have a value on installation and must be set by sites if they want orders to lapse automatically. Sites can therefore set this default and then any values for specific display groups or sites can simply set each display group in the OR LAPSE ORDERS parameter. To set this parameter, use IR CPRS Configuration (IRM), then XX General Parameter Tools, and EP Edit Parameter Values.
- **LAPSE AFTER # DAYS field** – For delayed orders, the user creating or editing events can define the number of days after which the orders for a release event can be released. After the number of days is exceeded, the orders cannot be released. For more information, please see the [Explanation of Release Event Prompts \(Fields in the OE/RR RELEASE EVENTS file #100.5\)](#) of this manual.

CPRS also has a report that identifies lapsed orders. The report is located under the CPRS Configuration (Clin Coord) menu:

```
Select CPRS Manager Menu Option: PE  CPRS Configuration (Clin Coord)
Select CPRS Configuration (Clin Coord) Option: LO  Lapsed Orders search

                                     Lapsed Orders Search
                               This report is formatted for a 132 column output.

Select one of the following:

      1      Service/Section
      2      Provider
      3      Patient
      4      Location
      5      Entered By
      6      Division
```



```

Enter the sort criteria: 2 Provider
Would you like a specific Provider? NO// YES
Select Provider: CPRSPROVIDER,TEN      TR      MEDICINE      PHYSICIAN
Select Provider:
Enter a starting date: T-365 (MAR 29, 2007)
Enter an ending date: T (MAR 28, 2008)
Print summary only ? NO// YES
DEVICE: HOME// HOME

```

```

Report Date: Mar 28, 2008@13:58:35 Sort Range From: Mar 29, 2007 To:
Mar 28, 2008

```

#### Order Statistics for Provider sort

| Provider         | Patient                 | # of Orders  |
|------------------|-------------------------|--------------|
| CPRSPROVIDER,TEN | CPRSPATIENT,EIGHT       | 4            |
| CPRSPROVIDER,TEN | CPRSPATIENT,FOUR        | 12           |
| CPRSPROVIDER,TEN | CPRSPATIENT,TEN         | 2            |
| CPRSPROVIDER,TEN | CPRSPATIENT,TWELVE      | 3            |
| CPRSPROVIDER,TEN | CPRSPATIENT,TWENTY FOUR | 3            |
| CPRSPROVIDER,TEN | CPRSPATIENT,TWO         | 3            |
|                  |                         | SUBTOTAL: 28 |
|                  |                         | -----        |
|                  |                         | TOTAL: 28    |

## Personal Quick Orders

Some exported ordering dialogs allow the user to create their own quick orders. These quick orders are shown at the top of the leftmost list box in the order dialog. The list of quick orders for each user is stored in the following parameters:

|             |                                             |
|-------------|---------------------------------------------|
| ORWDQ ANI   | Imaging Dialog, Angio/Neuro Orders          |
| ORWDQ CARD  | Imaging Dialog, Cardiology (Nuc Med) Orders |
| ORWDQ CSLT  | Consult Dialog                              |
| ORWDQ CT    | Imaging Dialog, CT Scan Orders              |
| ORWDQ DO    | Dietetics Dialog, Diet Orders               |
| ORWDQ IV RX | IV Fluid Dialog                             |
| ORWDQ LAB   | Lab Dialog                                  |
| ORWDQ MAM   | Imaging Dialog, Mammography Orders          |
| ORWDQ MRI   | Imaging Dialog, MRI Orders                  |
| ORWDQ NM    | Imaging Dialog, Nuclear Med Orders          |
| ORWDQ O RX  | Outpatient Medication Dialog                |
| ORWDQ PROC  | Procedures Dialog                           |
| ORWDQ RAD   | Imaging Dialog, Radiology Orders            |
| ORWDQ TF    | Dietetics Dialog, Tubefeeding Orders        |
| ORWDQ UD RX | Inpatient Medication Dialog                 |
| ORWDQ US    | Imaging Dialog, Ultrasound Orders           |
| ORWDQ VAS   | Imaging Dialog, Vascular Lab Orders         |
| ORWDQ XRAY  | Imaging Dialog                              |

When a user creates a personal quick order, the contents of the quick order itself are stored in the Order Dialog file (#101.41). These Quick Orders are all stored in the ORWDQ namespace. The internal name of the Quick Orders entry will look something like, ORWDQ 0D7682BC. The second part of the name is a hexadecimal representation of the quick order checksum. This hex number is used to avoid the creation of identical (and redundant) quick order entries.

## Ordering Menus and Quick Orders

---

Ordering menus may be activated from the “Write Orders” list box. The menu display window works like a browser window. The user moves through menus by selecting items in the display. It is possible to navigate forward and backwards through menus that have been selected by clicking the forward and backward arrows at the top of the screen. The user can exit the menu tree at any level by clicking “Done”. This behavior differs slightly from the List Manager interface. The Path Switch field (#53) of the Order Dialog file (#101.41) is currently ignored by the GUI menu navigator.

When a quick order is selected from the menu, the subsequent behavior depends on what is in the VERIFY ORDER (#8) and the AUTO-ACCEPT QUICK ORDER (#58) fields of the Order Dialog file (#101.41).

| Verify | Auto-Accept | Behavior                                               |
|--------|-------------|--------------------------------------------------------|
| No     | No          | Full ordering dialog shows                             |
| Yes    | No          | Accept/Edit/Cancel dialog shows before order is placed |
| No     | Yes         | Order is placed without further user interaction       |
| Yes    | Yes         | Accept/Edit/Cancel dialog shows before order is placed |

If any required fields have not been set up in the quick order, the full order dialog is shown.

When the quick order is evaluated, the following steps are done for each prompt in the dialog on which the quick order is based:

1. The value for the individual prompt is loaded, if available.  
If the prompt does not have a value, the DEFAULT field (#17) of the Order Dialog file is executed.
2. The ASK ON EDIT ONLY (#8), ASK ON ACTION (#9) and REQUIRED (#6) fields of the Order Dialog file are evaluated to see if this prompt requires user interaction.
3. The ASK ON CONDITION field (#13) of the Order Dialog file is executed, again to see if the prompt requires user interaction.

At the end of this evaluation, the order dialog responses are passed to the client. If user interaction is necessary, the ordering dialog is displayed with the evaluated responses as default values. If no further interaction is necessary and VERIFY ORDER is yes, the accept/edit/cancel dialog appears. If the order does not require verification and AUTO-ACCEPT is yes, the order is saved without any further interaction.

## Ordering Dialogs

---

For entries in the Order Dialog file where TYPE=Dialog, an additional field, WINDOW FORM ID (#55), is often present. This field tells the client which window should be displayed for that particular ordering dialog. The values this field can take are listed below:

|     |                                                  |
|-----|--------------------------------------------------|
| 105 | Allergy/Adverse Reaction Dialog (GMRAOR ALLERGY) |
| 110 | Consult Dialog                                   |
| 112 | Procedures Dialog                                |
| 117 | Dietetics Dialog                                 |
| 120 | Lab Dialog                                       |
| 130 | Inpatient Medications Dialog                     |
| 140 | Outpatient Medications Dialog                    |
| 151 | General Miscellaneous Dialog (OR GXMISC GENERAL) |
| 152 | Generic Ordering Dialog                          |
| 160 | Imaging Dialog                                   |
| 171 | Vitals Ordering Dialog                           |
| 180 | IV Fluids Dialog                                 |
| 999 | Word Processing Dialog                           |

It is generally not necessary to edit the WINDOW FORM ID field. If no value is found, a value of 152 is assumed and a generic ordering dialog is constructed on the fly based on the prompts defined for the dialog. Most dialogs defined by sites will either be based on OR GXMISC GENERAL, where WINDOW FORM ID = 151, or will be generic dialogs constructed on the fly and have no WINDOW FORM ID.

### Some Troubleshooting

If a generic ordering dialog allows selection of an Orderable Item (i.e., contains OR GTX ORDERABLE ITEM as a prompt), the INDEX value must be set for the appropriate subset of entries of the Orderable Item file. For example, in OR GXMISC GENERAL, the values for the first prompt are:

```
SEQUENCE: 1                                ITEM: OR GTX ORDERABLE ITEM
  DISPLAY TEXT: Patient Care:                REQUIRED: YES
  INDEX: S.NURS                             HELP MESSAGE: Enter a patient
care item.
  ORDER TEXT SEQUENCE: 1
  SCREEN: I `$(^(.1))!($(^(.1))>$NOW^XLFTD)
  EXECUTABLE HELP: N IDX,SCR S
  IDX=$(ORDIALOG(PROMPT,"D")),SCR=$(ORDIALOG(PROMPT
T,"S")) D XHELP^ORDD43(IDX,SCR)
  EXIT ACTION: N OI S OI=+$(ORDIALOG(PROMPT,INST)) D:OI ORDMSG^ORCD(OI)
```

The S.NURS value for the INDEX field indicates that the selections should be limited to entries in the Orderable Item file that belong to the NURS set. If this is not set up properly, the “B” cross reference is used for sorting and you may see odd behavior with respect to items that are not all upper case.

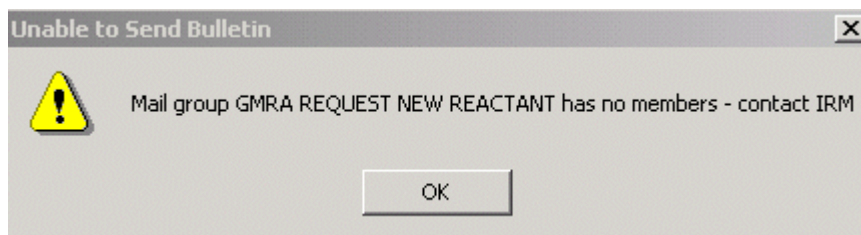
Order dialog in the GUI use the ID field to reference different prompts within the dialog. There have been occasional circumstances where the text of diet additional orders appears to be blank. This is almost always caused by a missing ID value in the OR GTX FREE TEXT 1 entry of the Order Dialog file. This entry should look like this:

|                                                                     |                              |
|---------------------------------------------------------------------|------------------------------|
| NAME: OR GTX FREE TEXT 1                                            | DISPLAY TEXT: Instructions:  |
| TYPE: prompt                                                        | PACKAGE: ORDER ENTRY/RESULTS |
| REPORTING                                                           |                              |
| DATA TYPE: free text                                                | DOMAIN: 1:240                |
| ID: COMMENT                                                         |                              |
| DESCRIPTION: This term gets a line of free text for generic orders. |                              |
| TIMESTAMP: 58261,43117                                              |                              |

## Allergy/Adverse Reaction Tracking Dialog

CPRS uses the GMRAOR ALLERGY order dialog—which is stored in the ORDER DIALOG file—to communicate directly with the Allergy/Adverse Reaction Tracking (ART) package. The ART package does not allow users to enter free-text causative agents. When users attempt to enter allergies or adverse reactions for causative agents that are not in the local or national ALLERGIES file, CPRS displays a dialog box giving users the opportunity to request the addition of these agents. When users choose to initiate such requests, CPRS sends the requests to the GMRA REQUEST NEW REACTANT mail group, which patch GMRA\*4.0\*17 provides.

Each site must populate this mail group with people who are authorized to decide which causative agents should be included its local ALLERGY file. If sites have not populated this mail group, users who attempt to request additions to the local ALLERGY file receive the following message:



The message box CPRS displays if users request the addition of a reactant and their sites have not populated the GMRA REQUEST NEW REACTANT mail group.

Based on a parameter setting in the ART package, users may also be able to indicate via CPRS whether they have marked allergies and adverse reactions on patients' identification (ID) bands (for inpatients). Specifically, if sites set the MARK ID BAND parameter to **1 (YES)**, CPRS activates the **ID Band Marked** checkbox (for inpatients) in the **Enter Allergy or Adverse Reaction** dialog box. On the other hand, if sites set the parameter to **0 (NO)**, CPRS deactivates the checkbox. Three related parameters determine if and how sites notify members of the GMRA MARK CHART mail group (or a specified order-entry team) when users do not indicate that they have marked allergies and adverse reactions on patients' ID bands. For more information about these parameters, see the [Adverse Reaction Tracking Technical Manual](#).

## Outpatient Medication Order Dialog

---

The default value for the “Pick Up” prompt in the outpatient medication dialog may be controlled with a parameter. ORWDPS ROUTING DEFAULT may be set to the following values:

- W Pick up at window.
- M Send by mail
- C Administered in clinic
- N No default. The user is required to choose window, mail, or clinic.

This is the value used for the general medication dialog and for quick orders if the “Pick Up:” prompt (OR GTX ROUTING) has not been set. Once a value has been selected, that value becomes the default for subsequent orders in the session.

## Entering Custom Reasons for Non-VA Meds

---

For each Non-VA medication entered into CPRS, the user can select a reason why the patient is taking the medication. Four statements or reasons exported at the package level of the GUI Non-VA Med Statements/Reasons parameter are as follows:

- Non-VA medication not recommended by VA provider.
- Non-VA medication recommended by VA provider.
- Patient wants to buy from Non-VA pharmacy.
- Medication prescribed by Non-VA provider.

At the System or Division level for this parameter, sites can enter their own reasons or statements, including the above if they choose to, at the system or division level of this parameter. The parameter asks for a sequence number to let the user determine what order it should display the reasons, and the user can then enter a reason up to 60 characters in length. Sites can enter any number of reasons they choose, but should use good judgment and not create too many reasons that would make it difficult for users to enter the appropriate reasons.

**To change the reasons in the GUI Non-VA Med Statements/Reasons parameter, use the following steps:**

1. In the List Manager interface, use the menu option **NV GUI Non-VA Med Statements/Reasons** under the **GUI Parameters** option of the **CPRS Configuration (Clin Coord)** menu and press <Enter>.
2. Enter 1 for Division or 2 for system and press <Enter>.
3. If you chose 1, type the name of the institution and press <Enter>.
4. At the Select Sequence prompt, type a sequence number and press <Enter>.
5. When asked if you are adding a new sequence with the number you entered, type **Y** and press <Enter>.
6. When the Sequence prompt displays with the number by it, press <Enter>.

7. At the Statement/Reason prompt, type the text that you want CPRS to display as one of the statements/reasons the patient is taking a non-VA medication. (The limit for the reason/statement is 60 characters.)
8. Repeat steps 4-7 as needed to create the list of statements/reasons.
9. When finished entering reasons, type an up caret (^) and press **<Enter>** to exit the menu.

## Entering a Message for Inpatient Clozapine Orders

---

Clozapine is usually prescribed in an outpatient setting, but it can be ordered for inpatients. However, the special appropriateness order checks that occur when finishing in the backdoor Outpatient Pharmacy setting do not occur in the finishing process in backdoor Inpatient Pharmacy. In addition, backdoor Outpatient Pharmacy sends the clozapine information to the National Clozapine Coordinating Center (NCCC) database. Some sites have directed the ordering provider to place a corresponding outpatient order when placing an inpatient clozapine order. The sites that have this policy can use the new OR CLOZ INPT MSG parameter to help reinforce this policy to the ordering providers.

**To edit this text, use these steps:**

1. In the List Manager interface, go to the menu option CPRS Configuration (Clin Coord)....
2. Type **GP** and press **<Enter>** for GUI Parameters.
3. Type **CLOZ** and press **<Enter>** for GUI Edit Inpatient Clozapine Message.
4. Type the name of the warning and press **<Enter>**.
5. In the text entry area that displays, enter the needed text.
6. When finished, press **<Num Lock> + e**, which will save the text and exit to the GUI Parameters menu option.

## VBECS Installation and Setup

---

CPRS provides an electronic interface between VA providers and the updated Blood Bank Lab application, VistA Blood Establishment Computer Software (VBECS). For the CPRS VBECS order dialog to work effectively; quick orders meeting local operations need to be provided with administrative instructions by local Clinical Applications Coordinators (CACs).

A simultaneous Lab order is processed when a VBECS order is placed. Lab orders need to be accessioned in the Lab application to be available for processing in the VBECS application. This does NOT place a Nursing Administration order. An order set of quick orders may be locally configured to link the Nursing Administration order to the VBECS order dialog.

### Order Dialog

The VBECS Order Dialog (VBEC BLOOD BANK) must be placed by the CAC appropriately in the site's Order menus. This dialog creates an order for blood components to be made available by the VBECS system, as well as any supporting diagnostic tests. It includes 6 components and 5 diagnostic tests. This new VBECS Blood

Bank order dialog is an important aspect of the system. This is the only way to order blood products—you cannot use the file 60 method to create blood bank quick orders.



**Note:** When OR\*3.0\*212 is installed it removes the ability to order blood bank tests through the lab application. The only way to order blood bank tests now is through the VBECS Order dialog in CPRS.

The VBECS Order Dialog is a unique structure. During use, it has direct communication with the VBECS Package via HL7 and VistA Link. The dialog has 3 parts:

1. Patient information tab displays Blood Bank information about the patient.
2. The Orders tab gives access to the ordering dialogs.
3. The Lab Results tab displays lab results defined within the VBECS application based on the components being ordered.

The three tabs in the VBECS Order Dialog give patient information, lab results, and allow the entry to orders for the current CPRS patient.

Each component may have accompanying tests, some of which are required.

**Blood Component and Diagnostic Test Order Form**

Tabs: Patient Information | **Blood Bank Orders** | Lab Results Available

**Diagnostic Tests**

Collection Type: Immediate Collect

Collection Date/Time: Jun 08,10@14:23

Urgency\*: ROUTINE

Surgery:

**Blood Components**

RED BLOOD CELLS Quantity\*: 1

Modifiers:

Date/Time Wanted\*: Jun 8,2010@14:11

Reason for Request\* \* Indicates a required field

Replace blood lost due to a sever laceration

RBC Perioperative patient. Hgb less than 10g/dL & Hemodynamically unstable

low hgb

Diabetic

No reason

Comment

**Selected Components and Tests**

| Test/Component  | Qty | Modifiers      |
|-----------------|-----|----------------|
| RED BLOOD CELLS | 1   |                |
| TYPE & SCREEN   |     |                |
| WHOLE BLOOD     | 2   | Volume Reduced |

Remove

Remove All

RED BLOOD CELLS 1 unit(s), TYPE & SCREEN, WHOLE BLOOD Volume Reduced 2 unit(s) | Reason for Request: Replace blood lost due to a sever laceration

Accept Order

Quit

This part of the dialog is for ordering blood components.

The VBECS order dialog can be used to create:

- Order Sets
- Quick orders
- Personal Quick Orders

But its main purpose is to order blood products, a topic which is covered in the CPRS GUI User Manual

## Quick Orders

The recommended method for creating quick orders for VBECS is to use the Enter/edit quick orders action of the Order Menu Management. Here follows an example to this process:

```
Select CPRS Configuration (Clin Coord) Option: mm Order Menu Management

OI      Manage orderable items ...
PM      Enter/edit prompts
GO      Enter/edit generic orders
QO      Enter/edit quick orders
QU      Edit personal quick orders by user
ST      Enter/edit order sets
AC      Enter/edit actions
MN      Enter/edit order menus
AO      Assign Primary Order Menu
CP      Convert protocols
SR      Search/replace components
LM      List Primary Order Menus
DS      Disable/Enable order dialogs
CS      Review Quick Orders for Inactive ICD9 Codes
MR      Medication Quick Order Report
CV      Convert IV Inpatient QO to Infusion QO

Select Order Menu Management Option: QO Enter/edit quick orders
Select QUICK ORDER NAME: VBECS Multiple 2
Are you adding 'VBECS Multiple 2' as a new ORDER DIALOG? No// y (Yes)
TYPE OF QUICK ORDER: ??

Choose from:
ACTIVITY
BLOOD PRODUCTS
CARDIOPULMONARY
CONDITION
CONSULTS
DIAGNOSIS
DIET ADDITIONAL ORDERS
DIET ORDERS
EARLY/LATE TRAYS
GENERAL RADIOLOGY
IMAGING
IV MEDICATIONS
LABORATORY
NON-VA MEDICATIONS
NURSING
OUTPATIENT MEALS
OUTPATIENT MEDICATIONS
PRECAUTIONS
PROCEDURES

TYPE OF QUICK ORDER: Blood PRODUCTS
NAME: VBECS Multiple 2// <Enter>
```



```

DISPLAY TEXT: <Enter>
VERIFY ORDER: <Enter>
DESCRIPTION:
    No existing text
    Edit? NO// <Enter>

Component or Test: <Enter>
Urgency: <Enter>
Date/Time Wanted: <Enter>
Comments:

-----
-----

(P)lace, (E)dit, or (C)ancel this quick order? PLACE//<Enter>

Select Order Menu Management Option: go  Enter/edit quick orders
Select QUICK ORDER NAME: VBECS
    1  VBECS Multitiple 2
    2  VBECS Multiple 2
    3  VBECS T&S
CHOOSE 1-3: 2  VBECS Multiple 2
NAME: VBECS Multiple 2// <Enter>
DISPLAY TEXT: <Enter>
VERIFY ORDER: <Enter>
DESCRIPTION:
    No existing text
    Edit? NO// <Enter>

Component or Test: ??

Choose from Blood Components:
    CRYOPRECIPITATE
    FROZEN PLASMA
    OTHER
    PLATELETS
    RED BLOOD CELLS
    WHOLE BLOOD

or Diagnostic Tests:
    ABO/RH
    ANTIBODY SCREEN
    DIRECT ANTIGLOBULIN TEST
    TRANSFUSION REACTION WORKUP
    TYPE & SCREEN

Enter a blood component or diagnostic test for the patient from the Blood
Bank.

Component or Test:  red BLOOD CELLS          RED BLOOD CELLS
Additional Requirements: ??
Choose from:
    1  Irradiated
    2  Leuko Reduced
    3  Volume Reduced
    4  Divided
    5  Leuko Reduced/Irradiated
    6  irad/leukopoor
Select a modifier, if needed.

Additional Requirements:
Quantity: 2
Another Component or Test: t
    1  TRANSFUSION REACTION WORKUP
    2  TYPE & SCREEN
CHOOSE 1-2: 2          TYPE & SCREEN
Another Component or Test: plateLETS          PLATELETS

```

Additional Requirements: <Enter>

Quantity: **2**

Another Component or Test:

SEND TO LAB - Means the patient is ambulatory and will be sent to the Laboratory draw room to have blood drawn.

WARD COLLECT - Means that either the physician or a nurse will be collecting

the sample on the ward.

LAB BLOOD TEAM - Means the phlebotomist from Lab will draw the blood on the

ward. This method is limited to laboratory defined collection times.

IMMEDIATE COLLECT BY BLOOD TEAM - Means the phlebotomist from Lab is on call to draw blood on the ward. This method is available during times defined by Laboratory.

SP            Send patient to lab

WC            Ward collect & deliver

LC            Lab blood team

I             Immediate collect by blood team

Collected By: **sp** Send patient to lab

Collection Date/Time: **today** (MAR 16, 2009)

Urgency: **stat**

Surgery: **toenail**

Date/Time Wanted: **t** (MAR 16, 2009)

Reason for Request: <Enter>

Comments:

-----  
Blood Components/Tests: RED BLOOD CELLS 2 unit(s)

TYPE & SCREEN

PLATELETS 2 unit(s)

Collected By: Send patient to lab

Collection Date/Time: TODAY

Urgency: STAT

Surgery: toenail

Date/Time Wanted: TODAY

Reason for Request: surgery  
-----

(P)lace, (E)dit, or (C)ancel this quick order? PLACE// **p** PLACE

## Adding to the Order Menu

Since you can no longer order blood bank tests through the lab order dialogs, you need to put a blood bank dialog where it can be accessed by users who need it. In the following example we put the exported dialog into the WRITE ORDERS menu for doctors at our facility:

```
Select OPTION NAME: ormgr          CPRS Manager Menu

CL      Clinician Menu ...
NM      Nurse Menu ...
WC      Ward Clerk Menu ...
PE      CPRS Configuration (Clin Coord) ...

Select CPRS Manager Menu Option: pe  CPRS Configuration (Clin Coord)

AL      Allocate OE/RR Security Keys
KK      Check for Multiple Keys
DC      Edit DC Reasons
GP      GUI Parameters ...
GA      GUI Access - Tabs, RPL
MI      Miscellaneous Parameters
NO      Notification Mgmt Menu ...
OC      Order Checking Mgmt Menu ...
MM      Order Menu Management ...
LI      Patient List Mgmt Menu ...
FP      Print Formats
PR      Print/Report Parameters ...
RE      Release/Cancel Delayed Orders
US      Unsigned orders search
EX      Set Unsigned Orders View on Exit
NA      Search orders by Nature or Status
CM      Care Management Menu ...
DO      Event Delayed Orders Menu ...
LO      Lapsed Orders search
PM      Performance Monitor Report

Select CPRS Configuration (Clin Coord) Option: mm  Order Menu Management

OI      Manage orderable items ...
PM      Enter/edit prompts
GO      Enter/edit generic orders
QO      Enter/edit quick orders
QU      Edit personal quick orders by user
ST      Enter/edit order sets
AC      Enter/edit actions
MN      Enter/edit order menus
AO      Assign Primary Order Menu
CP      Convert protocols
SR      Search/replace components
LM      List Primary Order Menus
DS      Disable/Enable order dialogs
CS      Review Quick Orders for Inactive ICD9 Codes
MR      Medication Quick Order Report
CV      Convert IV Inpatient QO to Infusion QO

Select Order Menu Management Option: MN  Enter/edit order menus
Select ORDER MENU: WRITE ORDER LIST
```

| Menu Editor                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                              | Jan 28, 2008@16:06:49 | Page: 1 of 3 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------|
| Menu: WRITE ORDER LIST                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                              | Column Width: 80      |              |
| 1                                                                                                                                                                                                                                                                                                         | <div> <div>ADD NEW ORDERS</div> <div>ALLERGIES</div> <div>DIET</div> <div>MEDS INPATIENT</div> <div>+ MEDS NONVA</div> <div>MEDS OUTPATIENT</div> <div>IV FLUIDS</div> <div>LAB TEST</div> <div>IMAGING</div> <div>1 CONSULTS</div> <div>PROCEDURE</div> <div>VITALS</div> <div>TEXT ONLY ORDER</div> </div> |                       |              |
| <div> <div>+    + Next Screen   - Prev Screen   ?? More Actions   &gt;&gt;&gt;</div> <div> <div>Add ...    Edit ...    Assign to User(s)    Select New Menu</div> <div>Remove ...    Toggle Display    Order Dialogs ...</div> </div> <div>Select Action: Next Screen// <b>ADD</b>   Add ...</div> </div> |                                                                                                                                                                                                                                                                                                              |                       |              |

|                              |
|------------------------------|
| Add: <b>ME</b> Menu Items    |
| ITEM: <b>VBEC BLOOD BANK</b> |
| ROW: 14                      |
| COLUMN: 1                    |
| DISPLAY TEXT: BLOOD BANK     |
| MNEMONIC:                    |
| ITEM: <b>&lt;Enter&gt;</b>   |
| Rebuilding menu display ...  |

| Menu Editor                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                    | Jan 28, 2008@16:12:26 | Page: 1 of 3 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------|
| Menu: WRITE ORDER LIST                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                    | Column Width: 80      |              |
| 1                                                                                                                                                                                                                                                                                    | <div> <div>ADD NEW ORDERS</div> <div>ALLERGIES</div> <div>DIET</div> <div>MEDS INPATIENT</div> <div>+ MEDS NONVA</div> <div>MEDS OUTPATIENT</div> <div>IV FLUIDS</div> <div>LAB TEST</div> <div>IMAGING</div> <div>1 CONSULTS</div> <div>PROCEDURE</div> <div>VITALS</div> <div>TEXT ONLY ORDER</div> <div>BLOOD BANK</div> </div> |                       |              |
| <div> <div>+    + Next Screen   - Prev Screen   ?? More Actions   &gt;&gt;&gt;</div> <div> <div>Add ...    Edit ...    Assign to User(s)    Select New Menu</div> <div>Remove ...    Toggle Display    Order Dialogs ...</div> </div> <div>Select Action: Next Screen//</div> </div> |                                                                                                                                                                                                                                                                                                                                    |                       |              |

New item added.

## Menus

There is a new action in the Manage Orderables Menu for VBECS called Edit VBECS item display names [ORCM VBECS OI EDIT]. In this example we change the name of one of the VBECS orderable items:

```
OI      Manage orderable items ...
PM      Enter/edit prompts
GO      Enter/edit generic orders
QU      Edit personal quick orders by user
ST      Enter/edit order sets
AC      Enter/edit actions
MN      Enter/edit order menus
AO      Assign Primary Order Menu
CP      Convert protocols
SR      Search/replace components
LM      List Primary Order Menus
DS      Disable/Enable order dialogs
CS      Review Quick Orders for Inactive ICD9 Codes
MR      Medication Quick Order Report

Select Order Menu Management Option: manage orderable items

OI      Enter/edit orderable items
QO      Enter/edit QO restriction
SR      Search/replace orderables
VB      Edit VBECS item display names

Select Manage orderable items Option: vb Edit VBECS item display names
Select VBECS ORDERABLE ITEM: ?
Answer with ORDERABLE ITEMS
Do you want the entire ORDERABLE ITEMS List? y (Yes)
Choose from:
ABO/RH
ANTIBODY SCREEN
CRYOPRECIPITATE
DIRECT ANTIGLOBULIN TEST
FRESH FROZEN PLASMA
OTHER
PLATELETS
RED BLOOD CELLS
TRANSFUSION REACTION WORKUP
TYPE & SCREEN
WHOLE BLOOD

Select VBECS ORDERABLE ITEM: other
NAME: OTHER// OTHER BLOOD PRODUCTS

Select VBECS ORDERABLE ITEM:
```

## Auto-DC Blood orders

Your facility should consider how you want the BLOOD PRODUCTS dialogue orders to auto/dc and refer to Appendix G of this manual for further instructions.

## Parameters

VBECS comes with the following parameters:

|                              |                                          |
|------------------------------|------------------------------------------|
| OR VBECS COMPONENT ORDER     | List of Blood Components                 |
| OR VBECS ERROR MESSAGE       | Text for Network Error                   |
| OR VBECS LEGACY REPORT       | Show Legacy (VISTA) Blood Bank Report    |
| OR VBECS MODIFIERS           | List of Component Modifiers              |
| OR VBECS ON                  | VBECS Functionality Site Enabled         |
| OR VBECS REASON FOR REQUEST  | List of Reasons for Request              |
| OR VBECS SUPPRESS NURS ADMIN | Suppress Nursing Admin Prompt            |
| ORWDXVB VBECS TNS SCREEN     | Max time between TYPE & SCREEN and order |

These are available for local setup for the sites particular requirements or local needs.

The OR VBECS COMPONENT ORDER parameter determines the sequence in which the components appear in the selection list.

The OR VBECS ERROR MESSAGE contains text for the error message displayed when CPRS cannot contact the VBECS server to fill in dialog information. The VBECS order process can still proceed because the finished order is transmitted via HL7. You can replace the supplied text of this message with information about your own local procedures, possibly including the Blood Bank phone number.

The OR VBECS LEGACY REPORT parameter determines whether the Legacy (VistA) Blood Bank Report is displayed after the VBECS blood bank report is displayed. Currently this must be Yes for you to see this information.

The OR VBECS MODIFIERS parameter allows local configuration of the blood component modifiers. Specifically, it allows you to enter the sequence in which the modifiers should appear in the selection list.

The OR VBECS ON parameter toggles VBECS ON and OFF. Yes means ON, which is the default.

The OR VBECS REASON FOR REQUEST can be used to add site specific reasons for requests making them available for the clinician to select when placing an order.

The OR VBECS SUPPRESS NURS ADMIN parameter disables the prompt/pop-up that tells the user they must enter a Nursing Administration Order manually after entering a VBECS Blood order. Disabling this feature is usually done when a Nursing Administration order has been created and added to a VBECS order set or quick orders.

The ORWDXVB VBECS TNS CHECK parameter sets the number of days to check for a Type & Screen Order. The default is 3 days, but a site may override this by modifying this parameter.

## Signing Orders / Exiting the Chart

---

When a user exits the chart a window may display that contains orders that require a signature. The orders displayed in this window are controlled by the parameter OR UNSIGNED ORDERS ON EXIT. This parameter may be set to the following:

- 0 Only unsigned orders from the current session appear.
- 1 Unsigned orders by the current user for the currently selected patient appear.
- 2 All unsigned orders for the currently selected patient appear.

The orders are checked initially in the list box. They may be individually unchecked to prevent a signature code from being applied to them.

For holders of the ORELSE key, the parameter OR SIGNATURE DEFAULT ACTION controls which radio button is checked by default on the Review / Sign Changes screen. The following values are possible:

- OC Signed On Chart may be checked (based on OR SIGNED ON CHART).
- RS Release without Signature will be checked.

The parameter, OR SIGNED ON CHART, applies to OREMAS key holders and ORELSE key holders who have “Signed On Chart” as their default action. If OR SIGNED ON CHART is yes, then “Signed on Chart” is checked by default. Otherwise the default is “Hold for Signature”.

### Digitally Signing Orders

To allow provider to digitally sign orders, the Department of Veterans Affairs (VA) is implementing the Drug Enforcement Agency (DEA) requirements that uses card readers, smart cards known as Personal Identification Verification (PIV) cards with personal identification number (PIN), and digital certificates to authenticate users and digitally sign outpatient orders for controlled substances. This project would make it possible to eliminate the use of handwritten or “wet” signatures being sent to pharmacy and pave the way for completely electronic medication ordering.

There are several things that need to happen for the authentication to work correctly. When the user enters an order for a controlled substance, CPRS requests that the user insert the user’s PIV or smart card into the card reader and then enter the PIN. When the PIN has been entered, CPRS uses standard Windows security features to validate the certificates of the provider.

The PIV or smart card contains information about the provider including the following:

- Subject Alternative Name (SAN)
- PIN
- Digital certificate

### **Digital Signatures Fields and Parameters**

To make digital signatures possible in CPRS, developers added two new parameters and expanded one field and added four fields to CPRS files. The following fields were modified or added:

- The Signature Status field (4) of the ORDER ACTION subfile (100.008) of the ORDERS file (100) was modified to include a “Digitally Signed” order status.
- The External Text field (.01) of the ORDER ACTION subfile (100.008) of the ORDERS file (100) was added to store the external text of an order. The external text of an order gets passed to Kernel’s signing COM object and is used to create the digital hash.
- The Digital Signature field (23) of the ORDER ACTION subfile (100.008) of the ORDERS file (100) stores the digital hash (encrypted external order text).
- The Drug Schedule field (24) of the ORDER ACTION subfile (100.008) of the ORDERS file (100) stores the Controlled Substances Federal Schedule of the drug, which is used to see whether a digital signature is required.
- The Digital Signature Required field (25) of the ORDER ACTION subfile (100.008) of the ORDERS file (100) stores the indicator of whether the order requires a digital signature.

| Field Name                               | Field Description                       | New Field | Data Type       | Identifier | Uneditable |
|------------------------------------------|-----------------------------------------|-----------|-----------------|------------|------------|
| SIGNATURE STATUS<br>100.008,4            | Signature status of the order           | No        | Set             | No         | No         |
| EXTERNAL TEXT<br>100.008, .01            | Order text stored in external format    | Yes       | Word Processing | No         | Yes        |
| DIGITAL SIGNATURE<br>100.008,23          | Digital Signature of the order          | Yes       | Free Text       | No         | Yes        |
| DRUG SCHEDULE<br>100.008,24              | CS Federal Schedule of the drug         | Yes       | Free Text       | No         | No         |
| DIGITAL SIGNATURE REQUIRED<br>100.008,25 | Set if a digital signature is required. | Yes       | Set             | No         | No         |

### Important Items

- **New Field Added to the Institution File** - Kernel patch XU\*8\*267 added a new field to the Institution file (#4), called FACILITY DEA NUMBER, which must have a value before this patch is installed. Integrated sites, Multi-divisional sites and sites that have sub-stations that users are able to sign in to (clinics, nursing homes, etc.) must also have the Facility DEA Number entered for those sub-station entries in the Institution file (#4).
- **Required Information** - If you install this patch without entering the all the required Facility DEA Numbers, your physicians will not be able to order controlled substances. You should be able to get the Facility DEA# from the Pharmacy or Pharmacy Chief. With the Facility DEA# and your institution name, use VA FileMan to enter the data, as follows:

```
Select OPTION: ENTER OR EDIT FILE ENTRIES

INPUT TO WHAT FILE: INSTITUTION//
EDIT WHICH FIELD: ALL//      FACILITY DEA NUMBER
THEN EDIT FIELD:
```



Select INSTITUTION NAME: <Enter your institution name>  
FACILITY DEA NUMBER: <Enter your Facility DEA# here>

### **Enabling Digital Signature Entries**

To enable digital signature, also referred to as DEA ePrescribing, the Clinical Application Coordinator (CAC) must make sure two file entries are enabled. The two file entries are

- **ePCS SITE ENABLE/DISABLE:** This enables the digital signature feature for the site in general, but individual users must still be enabled. To use this option, the user must hold the OREPCSSITE key.
- **ePCS USER ENABLE/DISABLE:** This enables the digital signature feature for the individual user selected. To use this option, the user must hold the OREPCSUSER key.

Upon initial installation of patch OR\*3.0\*218, the post-install routine will automatically enable the entire site through the EPCS SITE ENABLE/DISABLE entry, and it will enable electronic prescribing of controlled substances entry for all users that have either a DEA number or a VA number that allows them to write orders for controlled substances. Someone at each site, such as the credentialing office or pharmacy (your site will need to decide who will do this), will need to ensure that the users are assigned the correct pharmacy schedule for which they should be allowed to write controlled substance medication orders (specified schedules or all schedules II-v). Instructions are given below.

### ***Enabling or Disabling Users for DEA ePrescribing***

**After the initial installation, sites will need to enable individuals using the following steps:**

**Note:** To enable the ePCS USER ENABLE/DISABLE parameter, the user must hold the OREPCSUSER key and must not hold the XUEPCSEdit key. The keys are exclusive—if the user holds one, the user may not hold the other. If the user does not hold the OREPCSUSER key or holds the XUEPCSEdit key, the system will not display the ePCS User Enable/Disable option.

1. Log in to the appropriate Vista account.
2. Select the ePCS User Enable/Disable option. (OR EPCS USERS PARAMETER or to navigate to it, use these options: ORMGR> PE CPRS Configuration (Clin Coord) ...> GP GUI Parameters> DEA GUI ePCS Management Menu> ePCS User Enable/Disable).
3. At the USER NAME prompt, type the name of the provider and press <Enter>. The system will then display the user's current status of enabled or disabled and ask if you want to change it.
4. Check that the provider is currently NOT enabled.
5. When prompted if you want to enable the provider, type YES and press <Enter>.
6. To enable or disable other users, repeat steps 3-5.

To disable a user, use the same steps as above. After you enter the user's name, the system should show them as "enabled", and ask if you want to disable them.

Below is an example showing how ePCS is enabled for a user.

```
Select OPTION NAME: CPRS CONFIGURATION
 1  CPRS CONFIGURATION (CLIN COORD  OR PARAM COORDINATOR MENU      CPRS
Configuration (Clin Coord)
 2  CPRS CONFIGURATION (IRM) OR PARAM IRM MENU      CPRS Configuration (IRM)
CHOOSE 1-2: 1 OR PARAM COORDINATOR MENU      CPRS Configuration (Clin Coord)

AL      Allocate OE/RR Security Keys
KK      Check for Multiple Keys
DC      Edit DC Reasons
GP      GUI Parameters ...
GA      GUI Access - Tabs, RPL
MI      Miscellaneous Parameters
NO      Notification Mgmt Menu ...
OC      Order Checking Mgmt Menu ...
MM      Order Menu Management ...
LI      Patient List Mgmt Menu ...
FP      Print Formats
PR      Print/Report Parameters ...
RE      Release/Cancel Delayed Orders
US      Unsigned orders search
EX      Set Unsigned Orders View on Exit
NA      Search orders by Nature or Status
CM      Care Management Menu ...
DO      Event Delayed Orders Menu ...
LO      Lapsed Orders search
PM      Performance Monitor Report

Select CPRS Configuration (Clin Coord) <TEST ACCOUNT> Option: GP  GUI Parameters

CS      GUI Cover Sheet Display Parameters ...
HS      GUI Health Summary Types
TM      GUI Tool Menu Items
MP      GUI Parameters - Miscellaneous
UC      GUI Clear Size & Position Settings for User
RE      GUI Report Parameters ...
NV      GUI Non-VA Med Statements/Reasons
EX      GUI Expired Orders Search Hours
RM      GUI Remove Button Enabled
NON     GUI Remove Button Enabled for Non-OR Alerts
CLOZ    GUI Edit Inpatient Clozapine Message
COAG    GUI Anticoagulation Parameters ...
DEA     GUI ePCS Management Menu ...
EIE     GUI Mark Allergy Entered in Error

Select GUI Parameters <TEST ACCOUNT> Option: DEA  GUI ePCS Management Menu

USER    ePCS User Enable/Disable
        Duplicate VA Numbers Report
        Provider Incomplete Configuration Report
        Check Provider Configuration
        DETOX/MAINTENANCE ID User Report

Select GUI ePCS Management Menu <TEST ACCOUNT> Option: USER  ePCS User
Enable/Disable

This option is used to enable or disable electronic prescribing of outpatient
controlled substances for individual users.

CONFIGURING SITE CAMP MASTER

Select the USER NAME: CPRSPROVIDER,FORTYFOUR      TR      PHYSICIAN

CPRSPROVIDER,FORTYFOUR is currently disabled.
Do you want to enable CPRSPROVIDER,FORTYFOUR? NO// YES

Successfully enabled CPRSPROVIDER,FORTYFOUR and it is permitted to prescribe
all schedules.

Select the USER NAME:
```

### *Enabling or Disabling the Site for DEA ePrescribing*

When the DEA Set Up patches are installed, the site will be enabled for electronic prescription of outpatient controlled substance orders (ePCS). In case of an emergency, sites could turn off the ability to electronically prescribe these substances.

**Warning:** Do not disable this unless there is an emergency or you have been instructed to do so. When ePCS is disabled, providers are required to order all controlled substance using paper prescriptions.

**Note:** To use the ePCS SITE ENABLE/DISABLE option, the user must hold the OREPCSSITE key and must not hold the XUEPCSEdit key. The two keys are exclusive—the user may not hold both keys at the same time. If the user does not hold the OREPCSSITE key or holds the XUEPCSEdit key, the system will not display the ePCS SITE ENABLE/DISABLE option.

**If needed after the initial installation, sites can enable or disable the entire site using the following steps:**

1. Log in to the appropriate Vista account.
2. Select the ePCS User Enable/Disable option. (OR EPCS SITE PARAMETER or to navigate to it, use these options: ORMGR> PE CPRS Configuration (Clin Coord) ...> GP GUI Parameters> DEA GUI ePCS Management Menu> ePCS Site Enable/Disable).
3. At the ENABLE EPCS prompt, type YES to enable or No to disable and press <Enter>.

### **PKISERVER.EXE**

Another part of the system that must be set up is an application called PKISERVER.EXE, developed by KERNEL team. This application should be installed on a server (basically a computer with a static IP address so that CPRS can find it) for the authentication to happen when pharmacy finishes the order. PKISERVER.EXE must be installed in at least one location, but it can be installed in as many as three locations. After PKISERVER.EXE is installed, IRM or CAC staff must enter the Internet Protocol (IP) address for each location in the PKI Server field (#53.1) in the KERNEL SYSTEM PARAMETERS file (#8989.3). This field can hold up to three (3) IP addresses separated by commas (for example: 101.01.999,102.02.999).

Installation of the PKIServer as an automatic service is performed using the PKIVerifyServerSetup application. On Windows 7 systems, the application should be installed by right-clicking on PKIVerifyServerSetup.exe and selecting Run As Administrator. This installation will add the PKIServer.exe to the C:\Windows directory, and then add it as an automatic service and then start the service. If the service has been previously installed, it will stop the service, remove the service, and then replace the earlier version of PKIServer.exe before setting up and starting the service.

**Note:** If you look at services on the server or computer with the static IP address, the service name will be PKI\_verify\_services.

### **Configuring Users' Permissions for Digital Signature**

Another part of the digital signature feature or electronic prescription of controlled substances (ePCS) is that of setting up the specific permission and attributes for the user. The Kernel team created the ePCSDDataEntryForPrescriber.exe application to set up the items necessary according to DEA regulations to enable or authorize users to electronically order and sign controlled substances.

To ensure that a user is authorized to digitally sign an outpatient controlled substance order, CPRS checks these attributes that are shown in the application:

- Authorized to write orders (FILE 200 FIELD 53.1)
- Subject Alternative Name (SAN): For VA employees, the SAN is usually the VA outlook e-mail address (if they have one) that is on the Smart or PIV card. However rotating staff or other providers may have a different format. The SAN information can be found on the card. See explanation on How to Find a User's SAN below.
- Facility DEA number that is used in conjunction with the prescriber's VA number (FILE 4 FIELD 52)
- Prescriber VA DEA number (FILE 200 FIELD 53.3)
- Prescriber Detox/Maint number (FILE 200 FIELD 53.11)
- Prescriber DEA Expiration Date
- The schedules for which a prescriber can prescribe (FILE 200 FIELDS 55.1-55.6)

**WARNING:** If any user has been assigned any pharmacy schedules (any of the boxes have been checked at all) and then all checks are removed and the Update button is selected, the next time the user tries to order a medication, their information—including their DEA number—will be erased from the system.

To use this executable, a user must be assigned the XUEPCSEEDIT key. To keep the two functions of assigning privileges and ordering controlled substances separate, the user who uses the ePCS Data Entry For Prescriber GUI application must not have the ORES key. When the keys are assigned a check will occur to make sure that both key are not assigned to the same user.

If a provider already has some of this information, it will display when the user selects the provider's name. For example, if they are already authorized to write medication orders, the check box will be checked. If the user already has a DEA number, the DEA number will display and so forth.

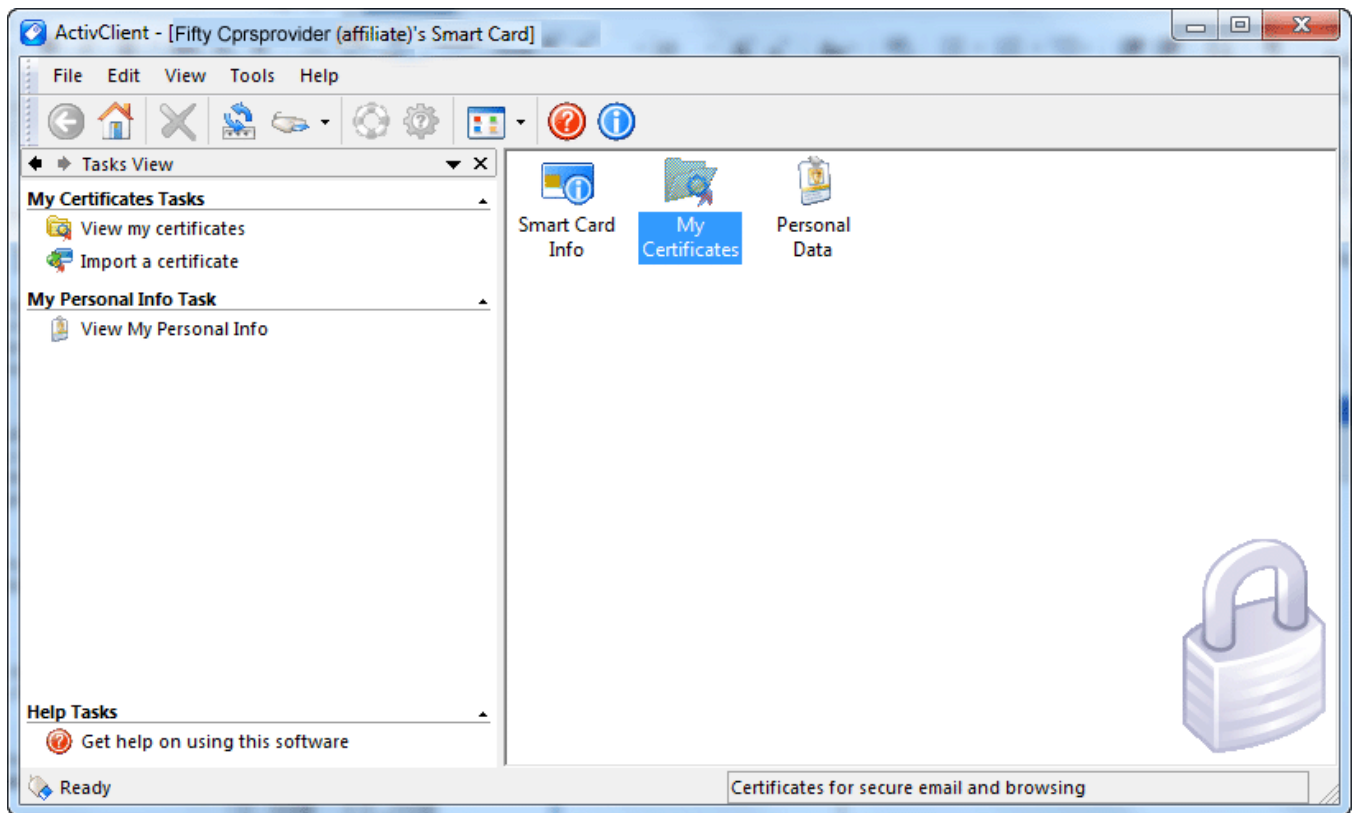
#### *How to Find a User's SAN*

The Subject Alternative Name or SAN for a user is found on the smart card. Below is an example of how to find the SAN. Normally, users can link their own PIV cards the first time they try to order outpatient controlled substance medication orders. However, sometimes something prevents this from occurring and the SAN on the card needs to be checked.

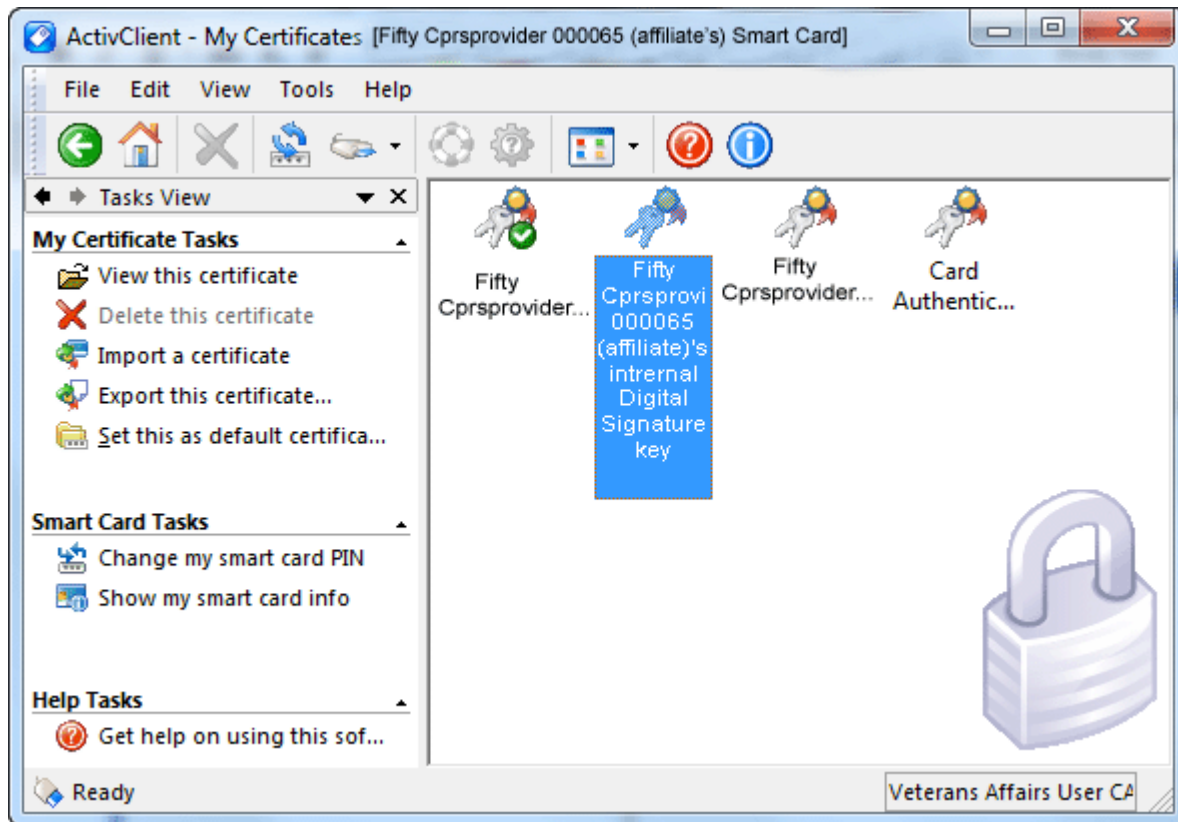
**Note:** For VA employees, the SAN is most often the same as their VA.GOV email address. If this does not work, someone at the site will have to examine the Digital Signing Certificate on their PIV card using ActivClient. See the example below:

## Steps needed to prepare for assigning the SAN

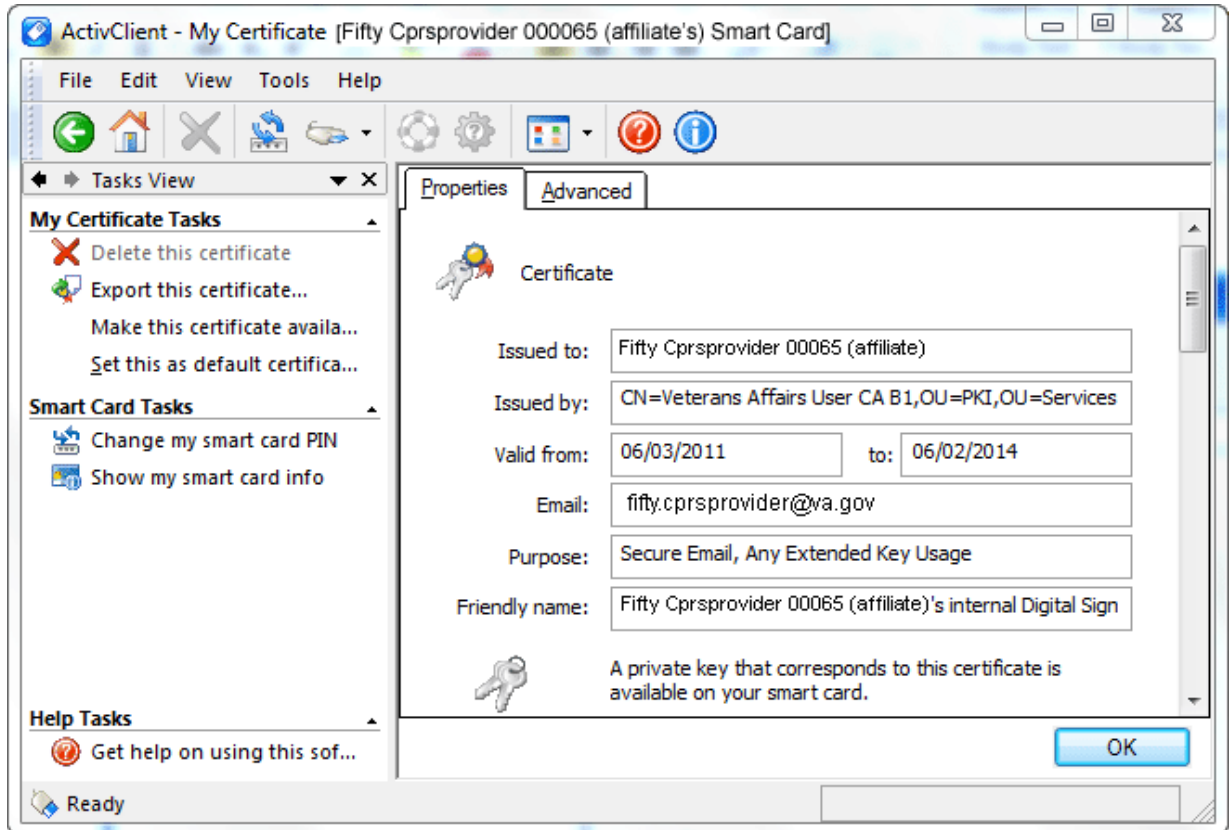
a) Open ActivClient.



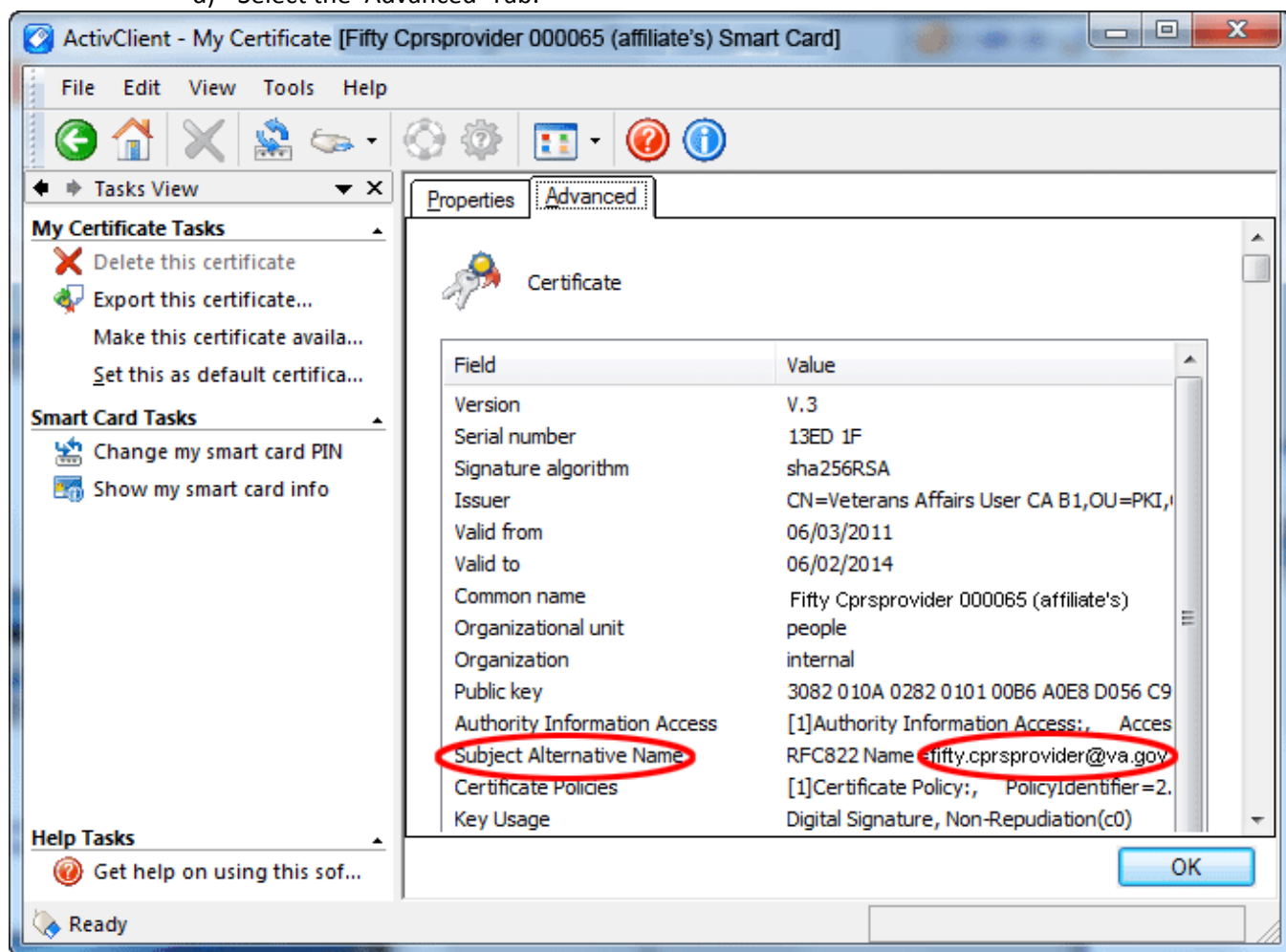
b) Double click on 'My Certificates'



c) Select the “Digital Signature Key”.



d) Select the 'Advanced' Tab:



Use this information to populate the SUBJECT ALTERNATIVE NAME through the Data Entry for ePrescribing of Controlled Substances application., which puts the information in file #200.

The user can use the ePCS Data Entry for Prescriber tool to set up the subject alternative name for the remaining people who will use the tool or place outpatient controlled substance orders.



### **A New Key to Enter ePCS Data**

To use the Data Entry for e-Prescribing Controlled Substances dialog, a user must be assigned the XUEPCSEEDIT key through the normal key allocation process in VistA.

**Note:** The user may not be assigned both the XUEPCSEEDIT key and ORES key at the same time. This is a simple security measure so that the person assigning permission may not also write medication orders.

### **Reports to Identify Providers that Need DEA Information Updates**

There are several options to help the person setting up providers with the items needed to electronically prescribe outpatient controlled substances through CPRS. Authorized users can get to these options using the DEA GUI ePCS Management Menu. The full path to this menu is as shown below:

```
Select OPTION NAME: ORMGR          CPRS Manager Menu

Select CPRS Manager Menu <TEST ACCOUNT> Option: PE  CPRS Configuration
(Clin Coord)

Select CPRS Configuration (Clin Coord) <TEST ACCOUNT> Option: GP  GUI
Parameters

Select GUI Parameters <TEST ACCOUNT> Option: DEA  GUI ePCS Management
Menu

SITE  ePCS Site Enable/Disable
USER  ePCS User Enable/Disable
CHK   Check Provider ePCS Configuration
REP   ePCS Data Validation Reports
```

The user may not see all of these options based on what keys the user holds. The two options that help the user check on users' characteristics for ePCS are

- Check Provider ePCS Configuration
- ePCS Data Validation Reports

### **Check Provider ePCS Configuration**

This option enables the user to check providers configuration one provider at a time. After evaluation of the items necessary to write outpatient controlled substances orders, it will either display that the provider is authorized and can write order, or it will display what the user is lacking. See examples below:

```
Select GUI ePCS Management Menu <TEST ACCOUNT> Option: CHK  Check
Provider ePCS Configuration
Select the provider: CPRSPROVIDER
   1  CPRSPROVIDER,EIGHT          CAR          PHYSICIAN
   2  CPRSPROVIDER,FIFTY          FC
   3  CPRSPROVIDER,FORTYFOUR      TR          PHYSICIAN
   4  CPRSPROVIDER,FORTYTHREE     FTC
   5  CPRSPROVIDER,NINETY         SPECIALIST
Press <RETURN> to see more, '^' to exit this list, OR
CHOOSE 1-5: 3  CPRSPROVIDER,FORTYFOUR      TR          PHYSICIAN

This provider is able to write controlled substance orders and is
permitted to prescribe all schedules.
```

```

Select the provider: CPRSPROVIDER
1  CPRSPROVIDER,EIGHT          CAR          PHYSICIAN
2  CPRSPROVIDER,FIFTY          FC
3  CPRSPROVIDER,FORTYFOUR      TR          PHYSICIAN
4  CPRSPROVIDER,FORTYTHREE     FTC
5  CPRSPROVIDER,NINETY         SPECIALIST
Press <RETURN> to see more, '^' to exit this list, OR
CHOOSE 1-5: 4  CPRSPROVIDER,FORTYTHREE          FTC

This provider is not able to write controlled substance orders for the
following reasons:
Does not hold the ORES security key.
Has neither a DEA number nor a VA number.
Is not an ENABLED USER in the OE/RR EPCS PARAMETERS file.

Once all of the issues above are resolved, the provider is permitted to
prescribe all schedules.

```

### *ePCS Data Validation Reports*

In addition to checking the configuration of a single provider, CPRS has several reports to help identify which providers at a site need items to electronically prescribe controlled substance (ePCS) orders. The five available reports are

- **Provider Incomplete Configuration:** This report creates a list of providers who do not have all the pieces of information necessary in the system to enable them to electronically prescribe controlled substance orders according to the new Drug Enforcement Agency (DEA) rules.

**To create the list of providers with incomplete configuration, use the following steps:**

1. In the VistA roll-and-scroll, from the CPRS Manager menu, choose PE (CPRS Configuration (Clin Coord) ...,GP GUI Parameters ...,DEA GUI ePCS Management Menu ...,REP ePCS Data Validation Reports.
2. Select CFG Provider Incomplete Configuration and press <Enter>.
3. If you want to include Pharmacy schedule information for each provider, you will need to indicate it. The default is no. If you do not want Pharmacy schedule information for each provider, press <Enter>. To show pharmacy schedule information for each provider, at the Do you want to include prescribable schedules in the output? NO//, type Y and press <Enter>.
4. The next prompt asks if you want to include disused and terminated users. The default for this prompt is no so that they are not included. To create the report without disused or terminated users, press <Enter>. To include disused or terminated users, at the Do you want to include DISUSERed and TERMINATED users in the output? NO//, type Y and press <Enter>.
5. Select the Division for this report or choose the default of All and press <Enter>.
6. At the Device prompt, enter where you would like this information to be sent.

Below is an example of the steps to run the Provider Incomplete Configuration report.

```
Select OPTION NAME: ORMGR          CPRS Manager Menu

Select CPRS Manager Menu <TEST ACCOUNT> Option: PE  CPRS Configuration (Clin
Coord)

Select CPRS Configuration (Clin Coord) <TEST ACCOUNT> Option: GP  GUI
Parameters

Select GUI Parameters <TEST ACCOUNT> Option: DEA  GUI ePCS Management Menu

SITE  ePCS Site Enable/Disable
USER  ePCS User Enable/Disable
CHK   Check Provider ePCS Configuration
REP   ePCS Data Validation Reports

Select GUI ePCS Management Menu <TEST ACCOUNT> Option: REP  ePCS Data
Validation Reports

    Select one of the following:

        CFG      Provider Incomplete Configuration
        DET      DETOX/MAINTENANCE ID List
        DUP      Duplicate VA Numbers
        FEE      Fee Basis/C & A Providers Without a DEA Number
        LAS      Provider Last Names Containing Punctuation

Select the data validation report to run: CFG  Provider Incomplete
Configuration

This report identifies all active providers who are unable to sign controlled
substance orders. For the purposes of this report, a provider is a user who
holds the ORES security key.

By default, the report lists the prescribable schedules for each provider
(including those providers that are properly configured).

Do you want to include prescribable schedules in the output? NO//

Do you want to include DISUSERed and TERMINATED users in the output? NO//
Select division: ALL//
DEVICE:  TELNET PORT
```

Below is an example of the data you might see in the Provider Incomplete Configuration report.

```
PROVIDER INCOMPLETE CONFIGURATION REPORT          APR 15, 2013  09:40  PAGE 8
DIVISION: CAMP MASTER
PROVIDER NAME          DEFICIENCY
-----
CPRSPROVIDER,SEVENTYONE  Has neither a DEA number nor a VA number.
                          Is not an ENABLED USER in the OE/RR EPCS
                          PARAMETERS file.
                          Is not authorized to write medication
                          orders.

CPRSPROVIDER,THREE       Has a DEA number with no expiration date.
                          Is not an ENABLED USER in the OE/RR EPCS
                          PARAMETERS file.
```

- **DETOX/MAINTENANCE ID List:** This report provides a list of providers and their Detoxification/Maintenance number and current status (active, inactive, etc.)

To get a list of providers on your system with Detoxification/Maintenance numbers, use these steps:

1. In the VistA roll-and-scroll, from the CPRS Manager menu, choose PE (CPRS Configuration (Clin Coord) ..., GP GUI Parameters ..., DEA GUI ePCS Management Menu ..., REP ePCS Data Validation Reports.
2. Select DET DETOX/MAINTENANCE ID List and press <Enter>.
3. Indicate whether the report should include disused and inactive users (the default is no). If not, press <Enter>. To include disused and inactive users, type y and press <Enter>.
4. At the Device prompt, indicate to which device you want to the report sent.

Below is an example of the steps to run the DETOX/MAINTENANCE ID List report and the type of data that would be displayed.

```
Select OPTION NAME: ORMGR          CPRS Manager Menu

Select CPRS Manager Menu <TEST ACCOUNT> Option: PE  CPRS Configuration (Clin
Coord)

Select CPRS Configuration (Clin Coord) <TEST ACCOUNT> Option: GP  GUI
Parameters

Select GUI Parameters <TEST ACCOUNT> Option: DEA  GUI ePCS Management Menu

SITE  ePCS Site Enable/Disable
USER  ePCS User Enable/Disable
CHK   Check Provider ePCS Configuration
REP   ePCS Data Validation Reports

Select GUI ePCS Management Menu <TEST ACCOUNT> Option: rep  ePCS Data
Validation
Reports

    Select one of the following:

        CFG      Provider Incomplete Configuration
        DET      DETOX/MAINTENANCE ID List
        DUP      Duplicate VA Numbers
        FEE      Fee Basis/C & A Providers Without a DEA Number
        LAS      Provider Last Names Containing Punctuation

Select the data validation report to run: DETOX/MAINTENANCE ID List

This report identifies all users who have a DETOX/MAINTENANCE ID number
in the NEW PERSON FILE (#200).

Do you want to include DISUSERed and TERMINATED usersin the output? NO//
DEVICE:  TELNET PORT

PROVIDERS WITH A DETOX/MAINTENANCE ID          APR 15, 2013  10:57  PAGE 1
NAME   DETOX/MAINTENANCE
ID NUMBER                                     ACCOUNT STATUS
-----
CPRSPROVIDER,EIGHT                          XT1950123        ACTIVE
CPRSPROVIDER,FIFTY                          XF1231950        ACTIVE
CPRSPROVIDER,FIFTYONE                       AD4568788        ACTIVE
CPRSPROVIDER,FIFTYFOUR                     CX3221467        ACTIVE

[END OF REPORT]
```

- **Duplicate VA Numbers:** This report lists the provider in the system that have similar VA numbers after removing punctuation, and discounting for differences in uppercase and lowercase.

1. In the VistA roll-and-scroll, from the CPRS Manager menu, choose PE (CPRS Configuration (Clin Coord) ..., GP GUI Parameters ..., DEA GUI ePCS Management Menu ..., REP ePCS Data Validation Reports.
2. Select the DUP Duplicate VA Numbers report.
3. Indicate whether the report should include disused and inactive users (the default is no). If not, press <Enter>. To include disused and inactive users, type y and press <Enter>.
4. At the Device prompt, indicate to which device you want to the report sent.

Below is an example of the steps to run the Duplicate VA Numbers report and the type of data that would be displayed.

```
Select OPTION NAME: ORMGR          CPRS Manager Menu

Select CPRS Manager Menu <TEST ACCOUNT> Option: PE  CPRS Configuration (Clin Coord)

Select CPRS Configuration (Clin Coord) <TEST ACCOUNT> Option: GP  GUI Parameters

Select GUI Parameters <TEST ACCOUNT> Option: DEA  GUI ePCS Management Menu

SITE  ePCS Site Enable/Disable
USER  ePCS User Enable/Disable
CHK   Check Provider ePCS Configuration
REP   ePCS Data Validation Reports

Select GUI ePCS Management Menu <TEST ACCOUNT> Option: REP  ePCS Data Validation
Reports

Select one of the following:

CFG      Provider Incomplete Configuration
DET      DETOX/MAINTENANCE ID List
DUP      Duplicate VA Numbers
FEE      Fee Basis/C & A Providers Without a DEA Number
LAS      Provider Last Names Containing Punctuation

Select the data validation report to run: DUP  Duplicate VA Numbers

This report identifies all users with similar VA numbers. To identify
similar numbers, the software builds a temporary index. First, it removes all
non-alphanumeric characters (such as punctuation and spaces) from the user's
VA number, then changes all letters to uppercase, and finally adds the VA
number to the temporary index. It then uses that index to build a list of
similar or duplicate numbers. For example, kc123, KC 123, and KC-123 are
considered similar.

Do you want to include DISUSERed and TERMINATED users in the output? NO//
DEVICE:  TELNET PORT

NON-UNIQUE VA NUMBERS REPORT                      APR 15, 2013 12:10  PAGE 1
VA#        NAME                                     ACCOUNT STATUS
-----
A986        PROVIDER,EIGHTY                          ACTIVE
a986        PROVIDER,EIGHTYEIGHT                      NEW
=====
KC 123      PROVIDER,TWOHUNDREDNINETYTWO              NEW
KC-123      PROVIDER,TWOHUNDREDSEVENTYEIGHT           ACTIVE
KC123       PROVIDER,TWOHUNDREDSEVENTEEN                      NEW
```

|                 |                                |        |
|-----------------|--------------------------------|--------|
| kc 123          | PROVIDER,TWOHUNDREDNINETYTHREE | NEW    |
| kc-123          | PROVIDER,TWOHUNDREDDONE        | NEW    |
| kc123           | PROVIDER,TWOHUNDREDSEVENTY     | ACTIVE |
| =====           |                                |        |
| [END OF REPORT] |                                |        |

- **Fee Basis/C & A Providers Without a DEA Number:** This report creates a list of providers, as the name implies, that are either fee basis or C & A providers who do not have DEA numbers. The list shows the provider name, type of provider, termination date, and account status.

To view the Fee Basis/C & A Providers Without a DEA Number report, use these steps:

1. In the VistA roll-and-scroll, from the CPRS Manager menu, choose PE (CPRS Configuration (Clin Coord) ..., GP GUI Parameters ..., DEA GUI ePCS Management Menu ..., REP ePCS Data Validation Reports.
2. Select the FEE Fee Basis/C & A Providers Without a DEA Number report.
3. Indicate whether the report should include disused and inactive users (the default is no). If not, press <Enter>. To include disused and inactive users, type y and press <Enter>.
4. Select the Division for this report or choose the default of All and press <Enter>.
5. At the Device prompt, indicate to which device you want the report sent.

Below is an example of the steps to run the Fee Basis/C & A Providers Without a DEA Number report and sample data similar to what a site might see.

```
Select OPTION NAME: ORMGR          CPRS Manager Menu

Select CPRS Manager Menu <TEST ACCOUNT> Option: PE  CPRS Configuration (Clin Coord)

Select CPRS Configuration (Clin Coord) <TEST ACCOUNT> Option: GP  GUI Parameters

Select GUI Parameters <TEST ACCOUNT> Option: DEA  GUI ePCS Management Menu

SITE  ePCS Site Enable/Disable
USER  ePCS User Enable/Disable
CHK   Check Provider ePCS Configuration
REP   ePCS Data Validation Reports

Select GUI ePCS Management Menu <TEST ACCOUNT> Option: REP  ePCS Data Validation
Reports

Select one of the following:

      CFG      Provider Incomplete Configuration
      DET      DETOX/MAINTENANCE ID List
      DUP      Duplicate VA Numbers
      FEE      Fee Basis/C & A Providers Without a DEA Number
      LAS      Provider Last Names Containing Punctuation

Select the data validation report to run: FEE  Fee Basis/C & A Providers Without a
DEA Number

This report identifies Fee Basis and C & A providers who do not have a DEA#
```

value in the NEW PERSON file (#200). These providers will need values entered into the DEA# (#53.2) and DEA EXPIRATION DATE (#747.44) fields in the NEW PERSON file (#200) before they can order controlled substances.

Do you want to include DISUSERed and TERMINATED users in the output? NO//  
 Select division: ALL//  
 DEVICE: TELNET PORT

FEE BASIS/C & A PROVIDER MISSING DEA# REPORT APR 15, 2013 14:17 PAGE 1  
 DIVISION: CAMP MASTER

| PROVIDER NAME                | PROVIDER TYPE | TERMINATION DATE | ACCOUNT STATUS |
|------------------------------|---------------|------------------|----------------|
| PROVIDER,ONEHUNDREDEIGHTY    | FEE BASIS     | 5/7/2013         | NEW            |
| PROVIDER,ONEHUNDREDFIFTYFIVE | FEE BASIS     | 5/5/2013         | NEW            |
| PROVIDER,ONEHUNDREDFIFTYFOUR | C & A         | 4/21/2013        | NEW            |
| PROVIDER,ONEHUNDREDSIXTY     | C & A         | 4/20/2013        | NEW            |

[END OF REPORT]

- **Provider Last Names Containing Punctuation:** This report lists all providers whose last name contains punctuation or contains one or more spaces in their last name because their Subject Alternative Name (SAN) may need to be entered manually by an authorized user through the ePCS Data Entry for Prescriber application. This report will help identify those users who last names may present a problem and enable sites to assist those providers to get their PIV or smart card ready to use.

**Note:** With the linking feature in CPRS. Sites will only need to enter a SAN manually, if the linking feature does not work. If sites need to verify they user's SAN, they can obtain the SAN by checking the information on the smart card.

To view the Fee Basis/C & A Providers Without a DEA Number report, use these steps:

1. In the VistA roll-and-scroll, from the CPRS Manager menu, choose PE (CPRS Configuration (Clin Coord) ..., GP GUI Parameters ..., DEA GUI ePCS Management Menu ..., REP ePCS Data Validation Reports.
2. Select the LAS Provider Last Names Containing Punctuation report.
3. Indicate whether the report should include disusered and inactive users (the default is no). If not, press <Enter>. To include disusered and inactive users, type y and press <Enter>.
4. Indicate whether the report should contain the names of users whose cards are already linked to their Vista account (the default is no). If you do not want users whose accounts are already linked, press <Enter> at the Do you want to include providers who have already linked their PIV card with their VistA account? NO//. If you want to list users with accounts already linked and punctuation in their last names, type y and press <Enter>.
5. Select the Division for this report or choose the default of All and press <Enter>.
6. At the Device prompt, indicate to which device you want the report sent.

Below is an example of the steps to run the Provider Last Names Containing Punctuation report and sample data similar to what a site might see.

Select OPTION NAME: ORMGR CPRS Manager Menu

Select CPRS Manager Menu <TEST ACCOUNT> Option: PE CPRS Configuration (Clin Coord)

Select CPRS Configuration (Clin Coord) <TEST ACCOUNT> Option: GP GUI Parameters

Select GUI Parameters <TEST ACCOUNT> Option: DEA GUI ePCS Management Menu

|      |                                   |
|------|-----------------------------------|
| SITE | ePCS Site Enable/Disable          |
| USER | ePCS User Enable/Disable          |
| CHK  | Check Provider ePCS Configuration |
| REP  | ePCS Data Validation Reports      |

Select GUI ePCS Management Menu <TEST ACCOUNT> Option: REP ePCS Data Validation Reports

Select one of the following:

|     |                                                |
|-----|------------------------------------------------|
| CFG | Provider Incomplete Configuration              |
| DET | DETOX/MAINTENANCE ID List                      |
| DUP | Duplicate VA Numbers                           |
| FEE | Fee Basis/C & A Providers Without a DEA Number |
| LAS | Provider Last Names Containing Punctuation     |

Select the data validation report to run: LAS Provider Last Names Containing Punctuation

This report identifies providers with one or more space or punctuation characters in their family (last) name. These providers may not be able to link their PIV card using CPRS GUI. For these providers, someone may have to use the Data Entry for e-Prescribing Controlled Substances GUI and manually enter the subject alternative name stored on the provider's PIV card.

Additionally, it is recommended that for those providers who's NAME COMPONENTS file (#20) entry does not exactly match the value in the NAME field (#.01) in the NEW PERSON file (#200), either the NAME COMPONENTS file entry or the value in the NAME field in the NEW PERSON file are modified so that both are the same.

Do you want to include DISUSERed and TERMINATED users in the output? NO//

Do you want to include providers who have already linked their PIV card with their Vista account? NO//

Select division: ALL//

DEVICE: TELNET PORT

```
PROVIDER LAST NAME REPORT                                APR 16, 2013  08:00   PAGE 1
DIVISION: CAMP MASTER
PROVIDER NAME   ACCOUNT STATUS
-----
D'CPRSPROVIDER,EIGHT                                ACTIVE
CPRSPROVIDER,EIGHTYONE                                ACTIVE
    NAME COMPONENTS: CPRSPROVIDER,EIGHTYONE
    THE NAME COMPONENTS FILE (#20) ENTRY DOES NOT MATCH THE NAME FIELD (#.01)
    IN THE NEW PERSON FILE (#200).
CPRSPROVIDER,FIFTY                                    ACTIVE
    NAME COMPONENTS: CPRSPROVIDER,FIFTY
    THE NAME COMPONENTS FILE (#20) ENTRY DOES NOT MATCH THE NAME FIELD (#.01)
    IN THE NEW PERSON FILE (#200).
CPRSPROVIDER,FORTY                                    ACTIVE
    NAME COMPONENTS: CPRSPROVIDER,Forty
    THE NAME COMPONENTS FILE (#20) ENTRY DOES NOT MATCH THE NAME FIELD (#.01)
    IN THE NEW PERSON FILE (#200).
CPRSPROVIDER,TWENTY                                    ACTIVE
    NAME COMPONENTS: CPRSPROVIDER,Twenty
    THE NAME COMPONENTS FILE (#20) ENTRY DOES NOT MATCH THE NAME
    FIELD (#.01) IN THE NEW PERSON FILE (#200).
```

[END OF REPORT]





### **Logging In to the Data Entry for e-Prescribing Controlled Substances Application**

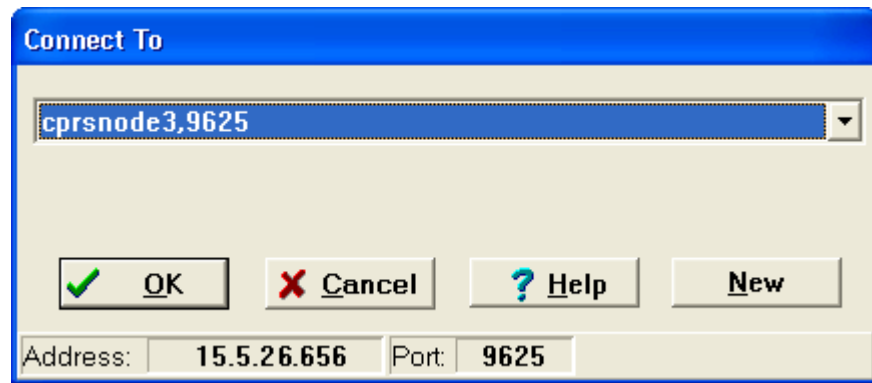
To log in to the Data Entry for e-Prescribing Controlled Substances application, the following is required:

- The application must be installed on the workstation.
- The user must hold the XUEPCSEID key.
- The user must have a PIV card and PIN.
- The server and port number must be
  - entered in the shortcut ("C:\Program Files (x86)\Vista\PCSDDataEntryForPrescriber.exe" s=*server name* p=*port number*, for example if your server name was "mysite.vista.med.va.gov" with a port number of 1001, the short cut would look like this: ("C:\Program Files (x86)\Vista\PCSDDataEntryForPrescriber.exe" s=mysite.vista.med.va.gov p=1001 )
  - selected from the Connect To dialog that displays
  - entered by the user when the Data Entry for ePrescribing Controlled Substances displays (in which case, the user must know them, and they are the same ones used to log in to CPRS)
- The user must have a valid username and password (the same ones used to log on to Vista applications).

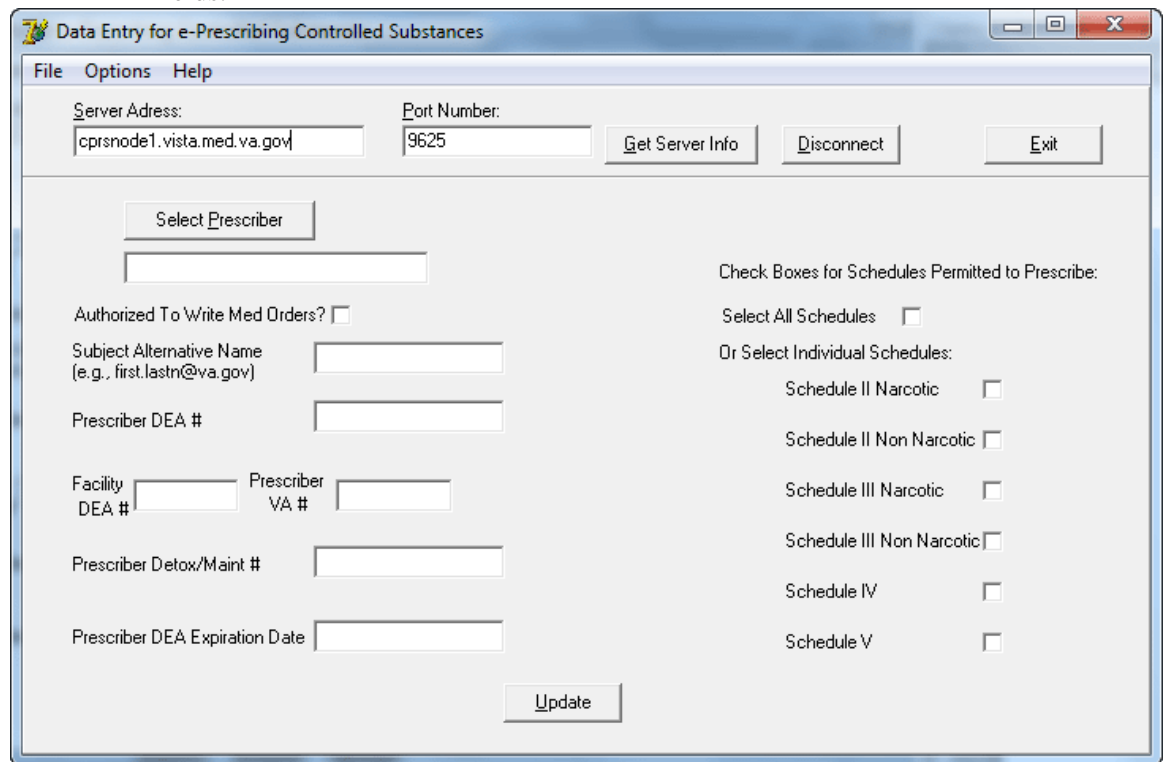
#### **Use these steps to launch the Data Entry for ePrescribing Controlled Substances application:**

1. Insert your PIV card into the appropriate slot in your workstation or keyboard. (Users must have a PIV card to use this application.)
2. Launch the Data Entry for e-Prescribing Controlled Substances application.  
**Note:** If the server and port number have been entered in your shortcut so that the main application displays, skip to step 5.
3. Do the appropriate action below:
  - a.) If the server and port number are already filled in, skip to step 5.
  - b.) If they are not filled in, but you know them, enter the server name and port number in the appropriate fields.
  - c.) If the Data Entry for e-Prescribing Controlled Substances application displays and you have access to multiple accounts, select the Get Server Info button.

This will only occur if you have access to multiple accounts, such as test and production. A dialog then displays with a list of possible accounts.



Select the appropriate account (server and port).  
The appropriate information is then displayed in the Server Address and Port fields.



This is the Data Entry for e-Prescribing Controlled Substances dialog. Here it is shown after the user has connected to the account, but before selecting a prescriber whose information needs to be edited.

4. Select the **Connect** button.

The VISTA Sign-on screen displays.

**VISTA Sign-on**

CPM CPM CPM CPM CPM CPM CPM CPM CPM CPM CPM CPM CPM


\*\*\*\*\*

You have accessed the CPM Cache Account  
 VistaLink is installed in this account  
 Access privilege is based on specified need. As a user on this system,  
 YOU are responsible for complying with all security regulations regard-  
 ing access. YOU are not to share access codes with anyone or to access  
 accounts that do not pertain to YOUR job. YOU are responsible for  
 maintaining the integrity, confidentiality, and security of all infor-  
 mation contained in this system.

USERS who use this system inappropriately will have their access ter-  
 minated and removed from the system.

VIEWing this message indicates that YOU agree with the terms of system  
 use.

MISUSE of this system constitutes a Federal Crime.



Access Code:

Verify Code:

☐ Change Verify Code

Server: ISC5A3 Volume: CPRS29Cl: CPRS29ort: NLA0::540377435

Here is the login screen

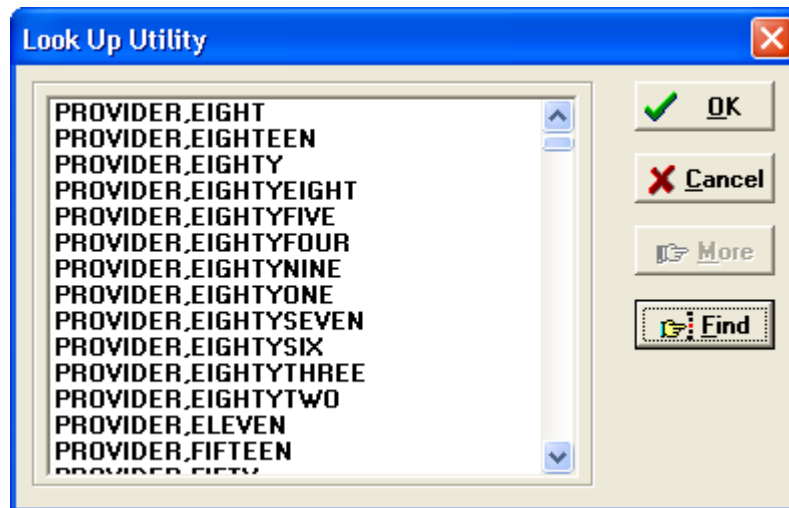
5. Enter your Access Code, press Tab or click in the Verify Code field, enter your Verify Code, and press <Enter> or click OK.
6. When prompted, enter your PIN code and press <Enter> or click OK.
7. The rest of the fields in the dialog display and are filled in with any information already contained in VistA files for this user.

### **Selecting a Prescriber to Edit**

After logging in, the user needs to select a prescriber.

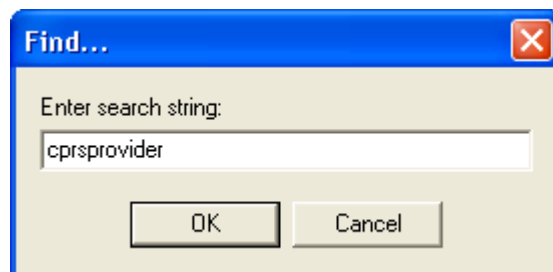
**To select a prescriber, use these steps:**

1. Select the Select Provider button by either tabbing to the button and pressing <Enter> or click on the button.
2. In the Look Up Utility dialog, select Find.

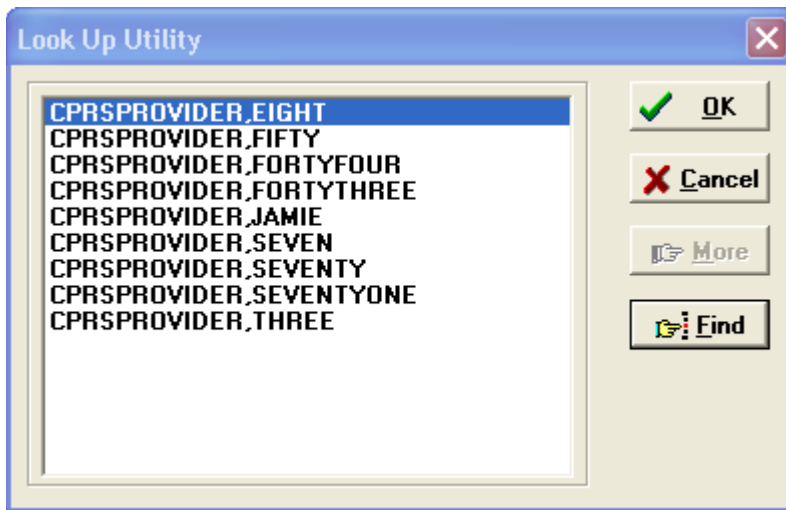


The Look Up Utility dialog lists the providers in the system. Users can scroll through the list or use the find button to search for a name.

3. In the Find... dialog, type part or all of the prescriber's name in the and select OK.



4. If a list displays with multiple possible name, find the correct name, select it, and press <Enter> or click OK.



If there is more than one matching names in the system, the Look Up Utility displays a list of possible matches.

After the prescriber's name is selected, the dialog displays any information that is available in VistA, such as in the screen capture below:

Once the user selects the prescriber to edit, the rest of the fields show information previously entered. The user can now edit this prescriber's information.

### **Entering or Editing a Prescriber's ePCS Information**

Most items on the left side of the dialog existed previous to the ePCS project and are included to simplify the process of getting the information into VistA:

- Authorized to Write Medication Orders
- DEA Number
- VA Number
- Detox/Maintenance Number
- DEA Expiration Date

If this information was previously entered into VistA, it will display in the appropriate fields in the Data Entry for ePrescribing Controlled Substances dialog.

New items in this dialog for ePCS include the following:

- User's Subject Alternative Name (which is their VA Outlook e-mail if they have one)  
**Note:** With the linking feature in CPRS. Sites will only need to enter a SAN manually, if the linking feature does not work. If sites need to verify they user's SAN, they can obtain the SAN by checking the information on the smart card.
- Fields to identify which DEA drug Schedules the prescriber is authorized to write orders for (the user can select a checkbox to assign all schedules or select checkboxes to designate only specific schedules individually). This will depend on the credentials that the prescriber has.

Once the appropriate provider is selected, check to see if the necessary information has been input. Then, make the changes using the steps that follow. These instructions assume that no information has been entered.

**WARNING:** Do NOT remove all check boxes unless you want to make it impossible for the user to order controlled substance medications. If any user has been assigned any DEA schedules (any of the boxes have been checked at all) and then all checks are removed and the Update button is selected, the next time the user tries to order a medication, their information—including their DEA number—will be erased from the system.

The Should not have to enter it manually unless there is a problem linking.

#### **To enter ePCS data, use the following steps:**

1. If needed, designate the Prescriber as Authorized to Write Med Orders by checking the Authorized to Write Med Orders checkbox.
2. If the user has a DEA number, move to the DEA # field and type in the number.
3. If the user has a VA number, move to the VA number field and type in the VA number.
4. If the user has a Detox/Maint number, move the Detox/Maint number field and type in the number.

5. If you entered a DEA number for the prescriber, move to the DEA Expiration Date field. (**Note:** No expiration date causes the DEA number to be treated as expired.) To enter a date, either type the date in field using the format mm/dd/yyyy (for example, 4/10/2015) or use the steps below to use the calendar control:
  - a. Select the down arrow.
  - b. Use the right and left arrows to move to the correct month and year.
  - c. Click on the day that you need to enter.
6. Select the checkboxes for the DEA schedules for which this prescriber will have permission to write medications. To select all schedules, place a check mark in the Select All Schedules checkbox. To limit the provider to specific schedule, place a check mark in the check box by clicking in it or tab to the appropriate field and pressing the <Space Bar>. Repeat as necessary for the various schedules.

**WARNING:** Do NOT remove all check boxes unless you want to make it impossible for the user to order medications. If any user has been assigned any pharmacy schedules (any of the boxes have been checked at all) and then all checks are removed and the Update button is selected, the next time the user tries to order a medication, their information—including their DEA number—will be erased from the system.

7. When you have completed all necessary fields, review your entries.
8. When satisfied with all entries in the dialog, select the Update button.
9. To continue on, select a different prescriber (see instructions above). To close the application, select the Exit button.

### **Overview of Digital Signature Process**

When an outpatient medication order is placed, CPRS uses an RPC call to a new Pharmacy Data Management (PDM) API to find out the drug's exact Controlled Substance Federal Schedule type (1, 2, 2n, 3, 3n, 4, 5). For all orders for controlled substances except schedule 1, CPRS will store an indicator in the orders file to require a digital signature.

CPRS builds and stores an order's external text. The following information is included in the external text as required by DEA:

- Date of prescription
- Full name and address of patient
- Drug name
- Drug strength (used in directions)
- Drug dosage form (used in directions)
- Drug quantity prescribed
- Direction for use
- Practitioner's name
- Practitioner's address
- Practitioner's (DEA) registration number
- Signature (in this case the digital signature of the physician)



- Detoxification/Maintenance number

When the clinician attempts to sign the orders, the normal electronic signature process within CPRS first takes place. Then, for Controlled Substance medication orders, the clinician must check the check box in front of each order to be signed and then insert the smart card (PIV card) if it is not already in the card reader and enter the PIN.

The above information is used to create a hash that is wrapped in a signed document and stored in VistA. CPRS stores the hash in the ORDERS ACTION subfile (100.008) of the ORDERS file (100). When pharmacy attempts to finish the order, it gathers the same information listed above and sends it to the PKISERVER.exe application running on an external server. PKISERVER.exe creates a hash based on that information and compares it to what is stored in VistA to see if the hashes match. If the hash values differ then the prescription cannot be filled.

In addition, the certificate that was used to sign the hash is checked to determine whether it has been revoked in the time between prescribing and being filled. If it has been revoked, the order cannot be filled.

### **User Messages for Possible Reasons the Digital Signature Failed**

When CPRS tries to validate whether a provider can place or sign an order for controlled substances, several error messages that fall into four basic categories might be displayed to the user during the ordering or signature process:

- invalid DEA number
- not authorized to prescribe in Federal Schedule  $x$  (where  $x$  is the schedule number that the user is not authorized to write orders for)
- invalid Detoxification number
- expired DEA number

### **Notifications Sent to Users for Other Problems**

For the following problems, CPRS sends a notification to the provider:

- Hash mismatches (the pharmacist would see this error when the information from the original order and the information in pharmacy during finishing does not match exactly)
- Revoked certificate
- Expired certificate

### **Archiving Controlled Substances Prescription Data**

When a provider writes an outpatient controlled substance medication order, CPRS will archive the information to file ORPA(101.52 – ORDER DEA ARCHIVE INFO FILE. This archive is required by the Drug Enforcement Agency (DEA) and will contain the prescription information from the time the order was signed. Pharmacy will run reports using data from this file.

**Warning:** Do NOT edit this file either manually or using Fileman. This data is to remain exactly as it was when the order was signed.

## Consults Order Dialog

---

### Parameters

On the Consults tab, the “New Consult” button, as well as the “New...” menu option, can be linked to a specified order dialog, quick order, or order menu, resulting in behavior identical to ordering via the Orders tab. As exported, clicking on the button will display the generic consults ordering dialog. By changing the value of the parameter ORWDX NEW CONSULT, this default behavior can be modified and customized by SYSTEM, LOCATION, and USER.

This parameter cannot be directly changed using the GUI, and must be modified using the General Parameter Tools menu options. Any existing order dialog, quick order, or order menu can be assigned to the parameter, at any of the three levels. A common practice is to assign the same consults order menu to the button as is used on the Orders tab. This provides consistent functionality, and two ways to access the same lists of quick orders.

There is currently no available way to disable the button entirely. A common method of effectively disabling the buttons is to create an order menu consisting of only a text entry. That entry should advise the user that ordering is only available via the Orders tab. Assign that menu to the appropriate parameter, and the menu text will be displayed to the user when the button is selected.

### Variables

The following variables, if set to a non-zero value in the entry action of either an order menu or an individual quick order, will cause the corresponding prompt to be disabled and not answerable in the GUI order dialog. If a particular quick order contains a conflicting value, the value stored in the quick order will take precedence.

- **GMRCNOPD** Disables the “Provisional Diagnosis” prompt. If this variable is not set, logic in the consults package setup for the selected service will determine the behavior of this prompt.
- **GMRCNOAT** Disables the “Attention:” prompt.
- **GMRCREAF** Disables the “Reason for Request” edit box. If this variable is not set, logic in the consults package setup for the selected service will determine the behavior of this prompt.

## Procedures Order Dialog

### Parameters

On the Consults tab, the “New Procedure” button, as well as the “New...” menu option, (Action | New) can be linked to a specified order dialog, quick order, or order menu, resulting in behavior identical to ordering via the Orders tab. As exported, clicking on the button will display the generic procedures ordering dialog. By changing the value of the parameter ORWDX NEW PROCEDURE, this default behavior can be modified and customized by SYSTEM, LOCATION, and USER.

This parameter cannot be directly changed using the GUI, and must be modified using the General Parameter Tools menu options. Any existing order dialog, quick order, or order menu can be assigned to the parameter, at any of the three levels. A common practice is to assign the same procedures order menu to the button as is used on the

Orders tab. This provides consistent functionality, and two ways to access the same lists of quick orders.

There is currently no available way to disable the button entirely. A common method of effectively disabling the button is to create an order menu consisting of only a text entry. That entry should advise the user that ordering is only available via the Orders tab. Assign that menu to the parameter, and the menu text will be displayed to the user when the button is selected.

### **Variables**

The following variables, if set to a non-zero value in the entry action of either an order menu or an individual quick order, will cause the corresponding prompt to be disabled and not answerable in the GUI order dialog. If a particular quick order contains a conflicting value, the value stored in the quick order will take precedence.

- **GMRCNOPD** Disables the “Provisional Diagnosis” prompt. If this variable is not set, logic in the consults package setup for the service associated with the selected procedure will determine the behavior of this prompt.
- **GMRCNOAT** Disables the “Attention:” prompt.
- **GMRCREAF** Disables the “Reason for Request” edit box. If this variable is not set, logic in the consults package setup for the service associated with the selected procedure will determine the behavior of this prompt.

## Lab Order Dialog

### Parameters

All laboratory parameters used by the CPRS GUI are set via options in the Lab package, and not by editing the parameter values directly.

The value of the following parameters determines whether routine lab collections are performed on the corresponding day of the week. They can be set only at the SYSTEM level:

- LR COLLECT MONDAY
- LR COLLECT TUESDAY
- LR COLLECT WEDNESDAY
- LR COLLECT THURSDAY
- LR COLLECT FRIDAY
- LR COLLECT SATURDAY
- LR COLLECT SUNDAY

If the parameter LR IGNORE HOLIDAYS is set to TRUE, also only possible at the SYSTEM level, then the lab at this site collects on holidays, and the holiday status of a date is ignored when determining routine collection times for that date.

If the parameter LR EXCEPTED LOCATIONS is set to TRUE for an ordering location, then weekend and holiday collection times are never skipped for that location. The same routine lab collection times are available on weekends and holidays for these locations as for any other day of the week.

The parameter LR PHLEBOTOMY COLLECTION is read to determine the routine lab collect times that will appear in the “Collection Time” combo box, and in the selection box on the calendar display window that appears if “Future” is selected as a Lab Collect time. On the “Future” calendar screen, only those routine lab collect times for the selected date are shown, and only those for that date which are not already beyond the defined cutoff time for each collection. The parameter’s value is set by DIVISION and SYSTEM, and is based on values in the LABORATORY SITE file (#69.9).

The parameter LR DEFAULT TYPE QUICK determines the default collection type for the basic lab order dialog, and for quick orders where no collection type is otherwise defined, either by a dialog response, or by setting a value in the LRFZX variable (see below). This parameter is set by LOCATION.

The parameter LR MAX DAYS CONTINUOUS determines the total length of time that can be covered by the time span entered for a recurrent test. The response to the “How Long?” prompt is evaluated, either as a number of days or a number of times, and the total duration of the ordered test is compared against the parameter value to determine its validity. The parameter can be set by SYSTEM and LOCATION, and values can range from 1 to 370 days.

The parameter LR LAB COLLECT FUTURE defines how far in the future a lab-collected test can be ordered. The start date of the test cannot be further in the future than the number of days defined in the parameter. The parameter can be set by LOCATION, DIVISION, and SYSTEM, and values can range from 1 to 370 days.

### **Variables**

The following variables, if set to a value in the entry action of either an order menu or an individual quick order, will cause the corresponding prompt to be pre-answered in the GUI order dialog. If set for a menu, all lab tests on that menu will be affected by the defined value. If a particular quick order contains a conflicting value, either as a dialog response or as an entry action redefinition of the variable, the value stored in the quick order will take precedence.

|         |                                                                                                                                                                                                                                                                                              |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LRFZX   | Defines the default collection type for the menu or quick order. Possible values include “LC”, “WC”, “SP”, or “I”. These correspond to “Lab Collect”, “Ward Collect”, “Send Patient to Lab”, and “Immediate Collect”, respectively. See discussion of parameter LR DEFAULT TYPE QUICK above. |
| LRFSAMP | Defines the default collection sample for the menu or quick order. The value is a pointer to the COLLECTION SAMPLE file (#62).                                                                                                                                                               |
| LRFSPEC | Defines the default specimen for the menu or quick order. The value is a pointer to the TOPOGRAPHY FIELD file (#61).                                                                                                                                                                         |
| LRFDATE | Defines the default collection date/time for the menu or quick order.                                                                                                                                                                                                                        |
| LRFURG  | Defines the default urgency for the menu or quick order. The value is a pointer to the URGENCY file (#62.05).                                                                                                                                                                                |
| LRFSCH  | Defines the default schedule for the menu or quick order. The value is a pointer to the ADMINISTRATION SCHEDULE file (#51.1).                                                                                                                                                                |

### **“Other” as a Choice for Collection Sample or Specimen**

The “Other” selection for these items is available for any lab test with the “CH” (chemistry) subscript, for all users. Additionally, for users holding the LRLAB key, the “Other” selection is available for all lab tests, regardless of subscript.

### **Combining Lab Orders**

When an order is sent to the Lab package an attempt is made to combine the request with any active Lab order number for the same:

- Patient
- Time
- Collection Type
- Specimen
- Provider

The logic for combining orders is:

- Don’t add to collected orders.
- Don’t add if any part of the order is collected.
- Don’t add to a combined order
- Don’t add if collection types are different
- If Collection type equals LC (Lab Collect):
- Collection times must match exactly

If Collection type does not equal LC (is WC, SP, IM):

- Collection times must be within 600 seconds (10 minutes) of each other
- If the time is not exact (2980724), orders will be still be compared for 600 second limit  
Don't add if the order has been canceled

Duplicate tests (entered in the same session) are allowed to combine to the same lab order number only if the test specimens are different. Duplicate tests (entered in the same session), with the same test specimen get their own distinct lab order number.

Tests that are defined 'not to combine' will get their own unique Lab order number

Order is combined at the specimen level (^LRO(69,LRODT,1,LRSN)) if the following match:

- DUZ
- Sample
- Provider
- Location
- Specimen

Order is combined at Order number level (^LRO(69,"C",LRORD)) if the following match:

- Sample
- Specimen

### **Immediate Collect Issues**

When ordering a lab test as "Immediate Collect", there is a minimum lead time that is required by the lab, as defined in the Lab package. If the current time plus this minimum lead time is entered as the collect time for the order, it is possible that while making other selections on the order dialog, the minimum lead time originally selected will become insufficient as time passes. To prevent this from happening, the requested time is reevaluated on acceptance of the order, and is adjusted accordingly if the minimum required time has not been met.

### **Canceling Lab Orders**

You should configure auto-DC rules to manage how lab orders are automatically discontinued. For more information, see the [Automatically Discontinuing Orders \(Auto-DC Rules\)](#) topic.

**Note:** Previously, automatic cancellation of lab orders was controlled by the CANCEL ON ADMIT, CANCEL ON DISCHARGE, and CANCEL ON SPECIALTY TRANSFER fields in the Laboratory Site File (#69.9). It is recommended that you leave these fields null and use auto-DC rules.

## Imaging Order Dialog

### **Parameters**

The parameter RA REQUIRE DETAILED controls whether restrictions are placed on imaging procedures orderable based on procedure type (possible procedure types are: Detailed, Series, Parent, Broad). If this parameter is set to “0”, users are allowed to order any imaging procedure regardless of type. If set to “1”, users are not allowed to select “Broad” type imaging procedures. These “Broad” procedures will not appear in the selection list. This parameter may be set by DIVISION and SYSTEM.

The parameter RA SUBMIT PROMPT controls whether the “Submit To:” combo box is enabled or disabled. The Imaging Location entered with the order determines where the Imaging Request form will print (IRM can assign each Imaging Location in the Radiology/Nuclear Medicine package a request printer). If this parameter is set to 0, the Imaging Request form will not be printed. If this parameter is set to 1, the system will first attempt to automatically determine the Imaging Location, enter it as the default in the combo box, and then disable the combo box. If the automatic attempt fails, then the combo box will be enabled. If there is more than one Imaging Location for the current imaging type (examples of imaging types selectable when ordering imaging procedures are Nuclear Med, Ultrasound, General Radiology, etc.), the automatic attempt will fail and the combo box will be enabled. If there is only one possible Imaging Location for the current imaging type, the system will automatically default to that location, and the combo box will be disabled. This parameter may be set by DIVISION and SYSTEM.

## Allergies Dialog

### **Files Used for Lookup**

A list of causative agents matching the search term entered by the user is returned from the following files:

- GMR ALLERGIES (#120.82)
- Drug Ingredients (#50.416)
- VA Drug Class (#50.605)
- National Drug File (Generic Name)
- National Drug File (Trade Name)

### **Top 10 Symptoms List**

The top ten symptoms list is retrieved from the GMR ALLERGY SITE PARAMETERS file (#120.84). These ten symptoms are presented at the top of the symptoms selection box, with the remaining available symptoms appearing below a separator line. These remaining items are retrieved from the SIGN/SYMPTOMS file (#120.83).

## Notes Tab Settings

### Criteria Used to Determine Notes Shown in List

---

The parameter ORCH CONTEXT NOTES contains information used to limit or customize the list of notes displayed to the user. This parameter is used by both the CPRS GUI and List Manager versions. It can be set by SYSTEM and by USER. The parameter's value is a semicolon-delimited string, the pieces of which contain the following:

a;b;c;d;e;f;g;h;i;j;k;l      Example: **T-90;T;1;1329;20;1;A;1;1;T;B;test**

- a      Begin date
- b      End date
- c      Status (pointer to the TIU STATUS file (#8925.6))
- d      Author (pointer to the NEW PERSON file (#200))
- e      Occurrence Limit - The number of notes actually shown by default is determined by using the Occurrence Limit from the parameter, and then, if not present, the NUMBER OF NOTES ON REV SCREEN from TIU preferences (see below).
- f      If present and non-zero, show subject in notes list.
- g      Sort notes in list view by visit date (D), author (A), title (T), location (L), or subject (s).
- h      If present and non-zero, sort tree view chronologically, otherwise reverse chronologically.
- i      If present and non-zero, sort list view chronologically, otherwise reverse chronologically.
- j      Group notes in tree view by visit date (D), author (A), title (T), or location (L).
- k      Field to search for keyword in (l). Subject (S), Title (T), or Both (B).
- l      Keyword to search for in fields defined in (k).

The user-level value for this parameter can be set using the "Custom View" menu and saving the selected options as the default.



## TIU Personal Preferences Menu

---

Items in **bold** are used by the GUI:

|                                       |                                                                                                                                 |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>DEFAULT LOCATION</b>               | Can also be set by day of week.                                                                                                 |
| REVIEW SCREEN SORT FIELD              | Not used.                                                                                                                       |
| <b>REVIEW SCREEN SORT ORDER</b>       | Ascending or descending, by date.                                                                                               |
| DISPLAY MENUS                         | Not used.                                                                                                                       |
| PATIENT SELECTION PREFERENCE          | Not used.                                                                                                                       |
| ASK 'Save changes?' AFTER EDIT        | Not used.                                                                                                                       |
| <b>ASK SUBJECT FOR PROGRESS NOTES</b> | When entering a new progress note, should the edit box for entering a subject be displayed to the user?                         |
| <b>NUMBER OF NOTES ON REV SCREEN</b>  | If the parameter ORCH CONTEXT NOTES does not contain a value for Occurrence Limit, as described above, this value will be used. |
| SUPPRESS REVIEW NOTES PROMPT          | Not used.                                                                                                                       |
| Select DAY OF WEEK                    | Not used.                                                                                                                       |

## Document List Management

---

Also available from the TIU PERSONAL PREFERENCES menu is an option called DOCUMENT LIST MANAGEMENT. This option allows a user to select a default document title and to create personal lists of commonly used titles.

The first option allows the creation of a default title for a given document class. Within each document class (Progress Notes, Consults, Discharge Summary, etc) it is possible for a user to select a default title that will be pre-selected whenever creating a new document of that class. If there is a default title for the user, and all other information necessary to create the note is already present, the note properties dialog will be bypassed, and the note editor will appear immediately on clicking the “New Note” button or menu item. This behavior can be changed using the parameter ORWOR VERIFY NOTE TITLE. This parameter is only used in the GUI, and can be set by USER, DIVISION, and SYSTEM. If set to TRUE, the note properties dialog will always display, regardless of the presence of a default title for the user. The default title will be pre-selected in the title list, but the user will be required to click OK to exit the dialog, thereby verifying that the default title is the correct one to be used.

The second option allows the creation of personal title lists. When creating a new note belonging to a given class, the user will be asked to select a title belonging to that class. On the Notes tab, the class is usually PROGRESS NOTES, while on the Consults tab it is CONSULTS. On the Discharge Summary tab, it is DISCHARGE SUMMARY. For any particular class, it may be useful to only have to choose from among a few highly specific titles (e.g., a pulmonologist entering a Progress Note may wish to choose from a short list of three or four titles related to pulmonary function, or pulmonary disease). Rather than presenting a list of hundreds of unrelated titles, the list named and defined here will be presented at the very top of the list of titles. In the event that a title is needed which doesn’t appear on this short list, the remaining available titles are listed below the short list, separated by a horizontal bar.

## Consult Completion Via the Notes Tab

---

If a CONSULTS class document title is selected when creating a new note, a list of consults is presented for linking to the note. A document in this class requires linking to a consult request during creation of the document. Consults are included in the selection list if:

- They were ordered within the number of days specified by the parameter GMRC CONSULT LIST DAYS. This parameter is used to allow a site to set the number of days that will be searched backwards for a Consult to be associated with a Note. A default parameter of 365 days will be set at the Package Level.
- The user can complete the consult based on his/her access level to the service of the consult, as determined via settings in the Consults package.
- The consult’s status allows completion via a TIU note.

## Autosaving Parameter

---

The parameter ORWOR AUTOSAVE NOTE allows setting of the time interval at which notes in progress will be automatically saved to the VistA server. Its value can be set by SYSTEM and USER, and contains the number of seconds between successive auto-saves. The exported value is 180 seconds (every 3 minutes). Local system performance issues may affect the optimum value for a given site or user.

## Spell Checking

---

With the CPRS GUI, it is possible to do a spelling check of TIU documents, provided MS Word has been installed on the workstation, and spelling is enabled. CPRS uses the same dictionaries and settings as are in effect for MS Word.

These nine files have been made available as the CPRS Spelling Dictionary supplement:

- CPRSlex-ab.dic
- CPRSlex-c.dic
- CPRSlex-caps.dic
- CPRSlex-de.dic
- CPRSlex-fh.dic
- CPRSlex-ilwz.dic
- CPRSlex-mo.dic
- CPRSlex-pr.dic
- CPRSlex-sv.dic

These files contain about 50,000 words from the VistA Lexicon. They are one way to provide medical words for CPRS to check. Local use of them is optional, and does not supersede other methods of providing a medical vocabulary.

You may download dictionary files from the CPRS Website at

[http://vista.med.va.gov/cprs/html/technical\\_info\\_.html](http://vista.med.va.gov/cprs/html/technical_info_.html)

and then clicking on *Spellcheck zip file*.

To use these files:

1. Save the files into the *\Program Files\Common Files\Microsoft Shared\Proof\* directory or whichever Windows directory holds the files with “.lex” and “.dic” extensions.
2. From Word for Windows, select **Tools | Options...**
3. Select the Spelling & Grammar tab.
4. Click the **Dictionaries...** button. The nine dictionary files are listed in the Custom dictionaries window.
5. Make sure all nine files names have a check beside them.
6. Click **OK** until all dialogs are closed.

Also, while on the Spelling & Grammar tab, make sure that the following items are checked:

- Check spelling as you type
- Always suggest corrections

Ignore Internet and file addresses, and be sure that the following items are NOT checked:

- Hide spelling error in this document
- Suggest from main dictionary only
- Ignore words in UPPERCASE
- Ignore words with numbers

To Use the spelling checker in the CPRS GUI, create a TIU document. Position the cursor at the beginning of the TIU document. Right click in the document and choose Check Spelling. The Spell Checker feature in Microsoft Word will be activated, and will operate exactly as it does in Word.

## **Additional Documentation**

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For additional information related to the implementation of business rules, user classes, the Authorization/Subscription Utility (ASU), creation and use of boilerplate text, and TIU objects, please consult the documentation already available for the Text Integration Utility (TIU) and ASU packages.

## **Populating the Encounter Forms**

---

The Encounter Form is populated from AICS Encounter Forms on file for each location, and from the current patient record.

CPRS relies on the existence of well-formed AICS forms for each location. Data is retrieved from the form for the currently selected location to fill in the information in the top half of the encounter form. Eight of the 10 tabs shown across the top of the Windows form reflect the contents of this AICS form.

The GAF tab will appear when the currently selected location is a mental health clinic. The current criteria for this determination is a stop code that starts with a “5”, excluding the following codes: 526, 527, 528, 530, 536, 537, 542, 546, 579.

Vitals tab is entirely populated from the patient record.

Visit Type, Diagnosis, Procedures, Immunizations, Skin Tests, Patient Education, Health Factors, and Exams each correspond to a TYPE OF DATA used to populate lists in the AICS encounter form.

The following TYPE OF DATA values create entries that appear in the GUI Encounter Form:

| TYPE OF DATA Name                | Associated Tab |
|----------------------------------|----------------|
| SELECT VISIT TYPE CPT PROCEDURES | Visit Type     |
| SELECT ICD-9 DIAGNOSIS CODES     | Diagnosis      |
| SELECT CPT PROCEDURE CODES       | Procedures     |
| SELECT IMMUNIZATIONS             | Immunizations  |
| SELECT SKIN TESTS                | Skin Tests     |
| SELECT EDUCATION TOPICS          | Patient Ed     |
| SELECT HEALTH FACTORS            | Health Factors |
| SELECT EXAMS                     | Exams          |

All other TYPE OF DATA values have no effect on the GUI Encounter Form.

If the associated TYPE OF DATA is missing from the Encounter Form, then that tab is not populated.

The TYPE OF DATA is selected while defining a new list while using the ED (Edit Form) option of the Edit Encounter Forms menu as in the following example:

```

EDITING A FORM BLOCK          Sep 00, 2000 00:00:00      Page: 1 of 2      ☐
1          2          3          4          5          6          7
123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456
1
2 |-----|
3 |          Pulmonary Function Tests          |
4 | [ ] Breathing Capacity Test          94010 |
5 | [ ] Evaluation of Wheezing          94060 |
6 | [ ] Vital Capacity Test          94150 |
7 | [ ] Lung Function Test (MBC/MVV)    94200 |
8 | [ ] Measure Airflow Resistance      94360 |
9 | [ ] Pulmonary Compliance Study      94750 |
10 |
11 |          Blood gases:
12 | [ ] Ph          82800 |
13 | [ ] PO2/PCO2    82803 |
14 |
15 ||          CPT MODIFIERS DISPLAY          |
+      Enter ?? for more actions
EH Header/Descr/Outline LN Straight Line          SD Save/Discard Changes
BS Block Size          TA Text Area          Edit Form
LT List          SH Shift Contents
DF Data Field          VD View w/wo Data (Toggle)
Select Action: Next Screen// LT List

```

```

EDITING A FORM BLOCK          Sep 07, 2000 08:34:58      Page: 1
of 2 ☐
1          2          3          4          5          6
7
123456789 123456789 123456789 123456789 123456789 123456789 123456789
123456
1
2 |-----|
PROCEDURES
3 |          Pulmonary Function Tests          |
4 | [ ] Breathing Capacity Test          94010 |
5 | [ ] Evaluation of Wheezing          94060 |
6 | [ ] Vital Capacity Test          94150 |
7 | [ ] Lung Function Test (MBC/MVV)    94200 |
8 | [ ] Measure Airflow Resistance      94360 |
9 | [ ] Pulmonary Compliance Study      94750 |
10 |
11 |          Blood gases:
12 | [ ] Ph          82800 |
13 | [ ] PO2/PCO2    82803 |
14 |
15 ||          CPT MODIFIERS DISPLAY          |
+      Enter ?? for more actions
>>>

You can create a [N]ew list, edit its [A]pppearance, [D]elete it,
edit its [C]ontents, [P]osition or size its columns. Choose from:
[N]ew [A]pppearance [D]elete [C]ontents [P]osition: C// N NEW
Select the TYPE OF DATA that the list will contain:

```

Valid choices for the TYPE OF DATA include:

- SELECT VISIT TYPE CPT PROCEDURES
- SELECT ICD-9 DIAGNOSIS CODES
- SELECT CPT PROCEDURE CODES
- SELECT IMMUNIZATIONS
- SELECT SKIN TESTS
- SELECT EDUCATION TOPICS
- SELECT HEALTH FACTORS
- SELECT EXAMS

For example, the Procedures tab is populated from a list with the TYPE OF DATA set to SELECT CPT PROCEDURE CODES as follows:

Tabs correspond to TYPE OF DATA entries used to populate lists in the printable AICS Encounter Form.

Encounter Form for PULMONARY CLINIC

Visit Type | Diagnoses | Procedures | Vitals | Immunizations | Skin Tests | Patient Ed | Health Factors | Exams

Procedure Section: Pulmonary Function Tests

Blood gases:

Section Name:

- ☐ Breathing Capacity Test 94010
- ☒ Evaluation of Wheezing 94060
- ☐ Vital Capacity Test 94150
- ☐ Lung Function Test (MBC/MW) 942
- ☐ Measure Airflow Resistance 943
- ☐ Pulmonary Compliance Study 947

Modifiers for Evaluation of Wheezing:

- ☐ Anesthesia Perf By Anesgst AA
- ☒ Asc Facility Service SG
- ☐ Assistant Surgeon 80
- ☐ Bilateral Procedure 50
- ☐ Clinical Social Worker AJ
- ☐ Crna Svc W/ Md Med Direction QX
- ☐ Crna Svc W/O Med Dir By Md QZ
- ☐ Decision For Surgery 57
- ☐ Discontinued Procedure 53
- ☐ Distinct Procedural Service 59

The items in the first pane correspond to groups within each list.

The items in the Section Name pane correspond to selections within the group that is currently selected. In the Visit Type tab, this pane takes on the name of the section selected.

Only one tab has a Modifiers pane, the Procedures tab. The Modifiers pane is populated with appropriate modifiers based on selections in the Section Name pane. Pre-check modifiers are specified while editing the encounter form. Responding to the CPT MODIFIER prompt in the Add or Edit Selection command does this. This is only applicable while filling in the group contents of lists with TYPE OF DATA set to SELECT CPT PROCEDURE CODES.

## Encounter Parameters

---

### Prompting for encounter Entry When Signing a Note

The ORWPCE ASK ENCOUNTER UPDATE parameter determines when encounter information should be requested when signing a note. To fully understand this parameter, we need to first understand how CPRS interprets the terms “Primary” and “Data Needed.”

#### **Primary**

Is the current user the primary provider for this encounter? If no primary encounter provider has been determined, CPRS attempts to identify one. All possible sources of encounter providers are filtered based on active person class, unless associated with a historical visit. The steps taken in identifying a possible primary encounter provider are (in order):

1. Look at the value of the TIU parameter DEFAULT PRIMARY PROVIDER. This parameter has three possible settings:
  - NONE, DON'T PROMPT
  - DEFAULT, BY LOCATION
  - AUTHOR (IF PROVIDER)
2. If this parameter is set to 1, a possible primary provider is identified as the default provider assigned to the given encounter location. This is determined by looking at the DEFAULT PROVIDER field (sub field #.02) of the PROVIDER multiple (Field #2600) of the HOSPITAL LOCATION file (#44). If the current user is the primary encounter provider for the given location, that user is automatically assigned as the primary encounter provider.
3. If there is still no primary encounter provider defined, CPRS looks at the provider identified with the primary CPRS visit. This is the same provider shown with the current visit, in the patient information bar. If this provider does not have an active person class, or has not been defined, the current user is substituted (provided they have an active person class). CPRS then asks if this user is the primary encounter provider.
4. If there is still no primary encounter provider defined, the TIU parameter DEFAULT PRIMARY PROVIDER is again reviewed. If a provider is identified, either from the encounter location or the author, the user is asked if this individual is the primary encounter provider.

#### **Data Needed**

The ORWPCE ASK ENCOUNTER UPDATE parameter uses the term “Data Needed” to represent the fact the PCE data has been requested for the given note title. This is determined by looking at the following criteria:

1. If the date of the encounter is in the future, no PCE data is needed.
2. If the service category is not “A” (Ambulatory), “I” (In Hospital), or “T” (Telecommunications), no PCE data is needed.
3. If the title specific TIU document parameter SUPPRESS DX/CPT ON ENTRY is set to YES, no PCE data is needed.
4. If the encounter is a stand-alone visit, PCE data is needed.



5. If the title specific TIU document parameter ASK DX/CPT ON ALL OPT VISITS is set to YES, PCE data is needed.
6. Otherwise, PCE data is not needed.
7. If it is determined that PCE data is needed for a given encounter, existing PCE entries are examined to determine exactly what is missing. A diagnosis and procedure are always required. Service connected information is required if the title specific TIU document parameter FORCE RESPONSE TO EXPOSURES is set to YES. If all needed data has already been entered, PCE data is not needed for the encounter.

### **Signing the Note**

The ORWPCE ASK ENCOUNTER UPDATE parameter can be set at the user, location, service, division and system levels. When signing a note, this parameter is used to determine if the user should be prompted to enter encounter information, based on one of the possible settings:

- 0 Primary/Data Needed (Default Setting) - The user will be asked to enter encounter information if they are the primary encounter provider, and if data is needed for the encounter.
- 1 Primary/Outpatient - The user will be asked to enter encounter information if they are the primary encounter provider, and the service category is "A" (Ambulatory), "I" (In Hospital), or "T" (Telecommunications).
- 2 Primary Always - The user will be asked to enter encounter information on all encounters, if they are the primary encounter provider.
- 3 Data Needed - All users will be asked to enter encounter information if data is needed for the encounter.
- 4 Outpatient - All users will be asked to enter encounter information, if the service category is "A" (Ambulatory), "I" (In Hospital), or "T" (Telecommunications).
- 5 Always - All users will be asked to enter encounter information on all encounters.
- 6 Never – The user will never be asked to enter encounter information when signing the note.
- 7 Disable - The user will never be asked to enter encounter information when signing the note, and the encounter button will be disabled, even when a note is being edited.

### **Forcing PCE Entry**

Once it has been determined that the user should be asked to enter encounter information, a dialog box is displayed, specifying any missing encounter data. If data is not needed, or if the user is not the primary encounter provider, the user will be given “Yes” and “No” buttons that can be used to determine if they want to enter encounter information. Pressing the “Yes” button will allow encounter information to be entered, followed by a continuation of the note signing process. Pressing the “No” button will bypass entry of encounter information, going directly to a continuation of the note signing process.

When data is needed, and the user is the primary encounter provider, the ORWPCE FORCE PCE ENTRY parameter will be checked to determine if the user must fill out all missing encounter information before being allowed to sign the note. If this parameter is set to YES, the user will be prompted “You must enter the encounter information before you can sign the note”, and given “OK” and “Cancel” buttons. Pressing the “Cancel” button will terminate the note signing process, resulting in an unsigned note (the user will be warned that the note was not signed). If this parameter is set to NO, the user will be asked if they want to enter encounter information, and will be given “Yes”, “No” and “Cancel” buttons. Again, pressing the “Cancel” button will terminate the note signing process, resulting in an unsigned note. Pressing the “No” button will allow the note to be signed.

When data is needed, the user is the primary encounter provider, and they go on to enter encounter information, continued checks will be made when exiting the encounter form to determine if there is any missing encounter data. If all missing information has been entered, the user will continue on with the note signing process. If there is missing encounter information, the user will continue to be prompted to enter it, regardless of the ORWPCE FORCE PCE ENTRY setting.

### **Availability of the Encounter Button**

The ORWPCE ANYTIME ENCOUNTERS parameter allows encounter entry even when a note is not being edited. This allows for encounter entry for dictated notes, as well as updating encounters for notes that have already been signed. This parameter can be set at the User, Service, Division, and System levels. When set, the encounter button will appear on the Notes tab just above the New Note button. When pressing the encounter button (and no note is being edited) the user may be asked to specify the encounter to edit, either an encounter associated with the current visit, or the encounter associated with the currently selected note.

### **Managing Encounter Checkout**

The default behavior of any encounter entered through the CPRS GUI is to automatically check out the encounter. Many sites have a workflow environment where this behavior is problematic. By setting the ORWPCE DISABLE AUTO CHECKOUT parameter to yes, encounters entered through the CPRS GUI will only check out if the encounter has a diagnosis, procedure or provider specified for the encounter. Other encounter entries, such as those containing only health factors or education topics, will not check out. With this parameter set, users will not be asked to enter a primary encounter provider when saving encounter information if there is no diagnosis, procedure or provider specified for that encounter. The ORWPCE DISABLE AUTO CHECKOUT parameter can be set at the User, Location, Service, Division, and System levels.

## Restricting Encounter Form Entry of Encounter Data

Some types of encounter data can be restricted from entry within the encounter form. This may be needed when specific encounter information should only be entered through reminder dialogs. There are five parameters that allow specific encounter information to be excluded from the “Other” buttons on the encounter form tabs. These parameters are

- ORWPCE EXCLUDE IMMUNIZATIONS
- ORWPCE EXCLUDE SKIN TESTS
- ORWPCE EXCLUDE PATIENT ED
- ORWPCE EXCLUDE HEALTH FACTORS
- ORWPCE EXCLUDE EXAMS

These multi-valued parameters can all be set at the User, Location, Service, Division, and System levels.

## Forcing Type of Visit Selection

Normally, when first entering the Visit Type tab of the encounter form, the first Type of Visit defined for that encounter location is automatically selected. For some clinics that see a wide variety of different patient types, this behavior leads to user error where the wrong type of visit is selected. The ORWPCE DISABLE AUTO VISIT TYPE parameter can be set to force the selection of a Type of Visit before allowing selection of an E&M code.

## Templates – Access, Storage and Maintenance

---

The Options menu of the Notes, Consults, and Discharge Summary tabs contains several menu items:

- Edit Templates
- Create New Template
- Edit Shared Templates
- Create New Shared Template
- Edit Template Fields (discussed in the next section)

Although each of the first four menu items starts the Template Editor, not all of these menu options may be enabled.

### Shared Template Editor Authority

Edit Shared Templates and Create New Shared Template are enabled for members of the CLINICAL COORDINATOR ASU user class. There is a way for sites to open up the editing of shared templates to users outside the CLINICAL COORDINATOR user class (perhaps creating a SHARED TEMPLATE EDITOR user class), but FileMan access is required. To do this, edit the Shared Templates entry in the TIU TEMPLATE file (#8927). This should be the first item in the file (IEN #1), but if, for some reason, it is not item #1, look in the AROOT cross-reference, under the “ROOT” entry, for the Shared Templates IEN. For example:

**^TIU(8927,”AROOT”,”ROOT”,1)**

The 1 here indicates IEN 1 is the Shared Templates folder.

Using FileMan, modify the value of the EDITOR CLASS field (.07) to point to the ASU user class allowed to edit shared templates. For example:

```
VA FileMan 22.0
Select OPTION: ENTER OR EDIT FILE ENTRIES
INPUT TO WHAT FILE: TIU TEMPLATE// 8927 TIU TEMPLATE (311 entries)
EDIT WHICH FIELD: ALL// .07 EDITOR CLASS
THEN EDIT FIELD:
Select TIU TEMPLATE NAME: '1 Shared Templates
EDITOR CLASS: CLINICAL COORDINATOR// SHARED TEMPLATE EDITOR
Select TIU TEMPLATE NAME:
```

## Personal Template Editor and Use Authority

The Edit Templates and Create New Template menu items are always enabled for those authorized to edit shared templates. For other users, two TIU parameters determine personal template access. These parameters must be set using the XPAR EDIT PARAMETER option. For both of these parameters, valid settings are:

- 0 FULL ACCESS
- 1 READ ONLY
- 2 NO ACCESS

FULL ACCESS allows users to create and use their own personal templates (this is the default setting).

READ ONLY access allows the use of personal templates - i.e. any personal templates appear in the templates drawer, but editing personal templates is not allowed. This is in preparation for when Clinical Coordinators can modify user's personal templates.

NO ACCESS prevents users from editing templates, or using personal templates. Shared templates can still be used (but not edited).

The parameters are:

- TIU PERSONAL TEMPLATE ACCESS parameter can be set by User, Location, Service, Division, or System.
- TIU TEMPLATE ACCESS BY CLASS parameter can hold ASU user classes.

Note that these two parameters work together, in the following precedence order:

| Precedence | Parameter                    |
|------------|------------------------------|
| USER       | TIU PERSONAL TEMPLATE ACCESS |
| USER CLASS | TIU TEMPLATE ACCESS BY CLASS |
| LOCATION   | TIU PERSONAL TEMPLATE ACCESS |
| SERVICE    | TIU PERSONAL TEMPLATE ACCESS |
| DIVISION   | TIU PERSONAL TEMPLATE ACCESS |
| SYSTEM     | TIU PERSONAL TEMPLATE ACCESS |

There are two other places within the CPRS GUI where personal templates can be created or edited:

1. When right clicking on a template in the templates drawer, menu items of Edit Templates and Create New Template are available. These menu items are only enabled for users with the authority to edit and create personal templates.
2. When right clicking on a note, a popup menu appears with an option to Copy into New Template. This option will create a new personal template, and copy selected text into that template's boilerplate. This menu option is only enabled when text has been selected in the note, and only for users with the authority to edit and create personal templates.

## **Template Links to Reminder Dialogs**

---

Reminder dialogs (not reminders) can be linked to templates, so that a reminder dialog can be selected from the templates drawer (reminder specific text will not be inserted into the note when the Finish button is pressed). This allows templates to create orders, enter encounter data, vitals, and do everything else that a reminder dialog can do. When a template is defined as a reminder dialog type, a list of reminder dialogs contained in the TIU TEMPLATE REMINDER DIALOGS parameter is then available in the template editor that can be linked to that reminder dialog. This multiple valued parameter can be set at the User, Service, Division, and System levels. Unlike most other parameters, this parameter is cumulative, in that reminder dialogs specified at any level can be linked to a template.

## **Restricting Allowed Patient Data Objects within Templates**

---

Clinical Application Coordinators can control which patient data objects are available in the templates drawer by inactivating or deleting undesired entries in the shared Patient Data Objects folder. Users that are allowed to create personal templates, however, have access to all active patient data objects. The TIU TEMPLATE PERSONAL OBJECTS parameter can be used to limit the patient data objects available in the template editor for users that cannot create shared templates. Only those objects specified in this parameter will appear in the Insert Patient Data Objects dialog of the template editor. If this parameter is blank, all patient data objects will be available. Note that this parameter is cumulative, in that entries at the User, Service, Division and System levels will all be available to the end user.

## Template Import/Export Utility

---

Following are several items of interest about the Template Import/Export utility available from the tools menu of the template editor:

- Requires Internet Explorer version 5.0 or higher installed on the workstation.
- Templates are imported at the location of the currently selected template, as if the New Template button had been pressed.
- When exporting a template, all children templates are also exported, meaning that the entire Shared Templates or My Templates folders can be exported as a single file.
- If the workstation has Microsoft Word 97 or higher installed, Word documents can be imported and converted to templates. Form Fields in a word document are converted to Template Fields, but there are usually formatting problems with the final result that need manual correction.
- Template Fields in a template are exported with the template.
- Patient Data Objects in a template are not exported with the template.
- When importing a template that contains template fields, any existing template fields with the same name are compared with the fields being imported. If the field definitions differ, the imported fields are renamed (along with the field references in the imported template boilerplate).
- Imported Template Fields are automatically saved after import, even if the imported template is not saved.

## Template Fields

---

The Options menu of the Notes, Consults, and Discharge Summary tabs contains one additional menu item, Edit Template Fields. This menu option is enabled based on the user classes entered in the TIU FIELD EDITOR CLASSES parameter. This multi-valued parameter contains a list of ASU user classes, and can be set at the User, Service, Division and System levels. Users that are members of a user class specified in this parameter are allowed to edit template fields through this menu option. Other users will see this menu option disabled.

If you do not have authorization to edit template fields, you may see this dialog.



The template field warning dialog.

If you press **OK**, the template will be imported without the new fields. If you press **Cancel**, the import process will be cancelled.

## Reminder Options

---

Options: CPRS Reminder Configuration menu.

Options to activate clinical reminders for CPRS:

- *CPRS Cover Sheet Reminder List* (parameter existed prior to this install) Use this option to enter reminders into the ORQQPX SEARCH ITEMS parameter. These reminders will be displayed on the CPRS cover sheet. You can also specify the sequence in which the reminders will be displayed. Set this for users, location, service, division, system, or package. Note that the ORQQPX SEARCH ITEMS parameter is ignored if the ORQQPX NEW REMINDER PARAMS parameter is set to YES (see New Reminders Parameters below.)
- *CPRS Lookup Categories* Use this option to enter reminder categories that will be displayed in the Reminders Available tree list (right-click on reminder button) and the Reminder drawer (on the Notes Tab).
- *Reminder GUI Resolution Active* Use this option to let users process reminders through the CPRS Notes or Consults tabs. This parameter can be set at the user, service, division, or system level. We recommend that you turn this on for a limited number of users to begin with until reminder dialogs are ready for use by clinicians. Users cannot use GUI resolution for a reminder until a reminder dialog is created for the reminder.
- *Mental Health Dialogs Active* Use this option to turn this parameter on for the whole system to enable reminder resolution using mental health dialogs. This will make the appropriate mental health tests available to enter responses in the GUI resolution process. Other access settings include user and division.
- *Progress Note Headers* Use this option to create a special header to distinguish the GUI resolution text generated for progress notes from other progress note text. The default header is “Clinical Reminder Activity.” Set this for users, location, service, division, system, or package.
- *New Reminder Parameters* Use this option to activate cover sheet reminder retrieval from a new set of parameters. These parameters, ORQQPX COVER SHEET REM CLASSES and ORQQPX COVER SHEET REMINDERS contain coded information and should not be edited manually. See the New Cover Sheet Reminder List section for more information on setting up these parameters.

## CPRS Reminder Configuration Menu

The options to maintain reminder categories and to implement reminders within CPRS are on this menu (which is on the Clinical Reminders Managers Menu – PXRMRMINDERS MANAGER).

| Synonym | Option                         | Option Name                   | Description                                                                                                                                                                                                                                                                               |
|---------|--------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CA      | Add/Edit Reminder Categories   | PXRMCATEGORY EDIT/INQUIRE     | Reminder categories used by CPRS GUI may be added or changed. A reminder category may contain a list of reminders and/or other sub-categories.                                                                                                                                            |
| CL      | CPRS Lookup Categories         | PXRMCPRS LOOKUP CATEGORIES    | Reminder Categories to be displayed in the Other folder of the note tab are entered here.                                                                                                                                                                                                 |
| CS      | CPRS Cover Sheet Reminder List | PXRMCPRS COVER SHEET LIST     | Use this option to enter reminders that will be displayed on the CPRS cover sheet.                                                                                                                                                                                                        |
| MH      | Mental Health Dialogs Active   | PXRMENTAL HEALTH ACTIVE       | This option allows a user to modify the “Mental Health Active” CPRS parameter. This parameter defines the level to activate to use Mental Health dialogs for reminder resolution processing. When activated for a level, mental health tests in a reminder dialog can be performed.       |
| PN      | Progress Note Headers          | PXRMPN HEADER                 | The header inserted into the progress note when processing a reminder may be modified for user, location, or service. The default header is Clinical Reminders Activity.                                                                                                                  |
| RA      | Reminder GUI Resolution Active | PXRMGUI REMINDERS ACTIVE      | This option allows a user to modify the “Reminders Active” CPRS parameter. You can activate GUI reminder resolution processing at a user, division, or system level. When activated for a level, a reminders drawer is available on the notes tab for selecting and processing reminders. |
| NP      | New Reminders Parameters       | PXRMPNEW REMINDERS PARAMETERS | This option allows a user to modify the ORQQPX NEW REMINDER PARAMS parameter, which controls which parameters are used to store cover sheet reminders.                                                                                                                                    |



## CPRS Cover Sheet Reminder List (CS)

Use this option to enter reminders that will be displayed on the CPRS Cover Sheet, if the New Reminder Parameters setting is No.

```
Select CPRS Reminder Configuration Menus Option: CS  CPRS Cover Sheet
Reminder List
Clinical Reminders for Search may be set for the following:
    1  User      USR      [choose from NEW PERSON]
    2  Location  LOC      [choose from HOSPITAL LOCATION]
    3  Service   SRV      [choose from SERVICE/SECTION]
    4  Division  DIV      [ISC SALT LAKE]
    5  System    SYS      [DEVCUR.ISC-SLC.VA.GOV]
    6  Package   PKG      [ORDER ENTRY/RESULTS REPORTING]

Enter selection: 1 User      NEW PERSON
Select NEW PERSON NAME: CPRSPROVIDER,TEN      TC

----- Setting Clinical Reminders for Search  for User: CPRSPROVIDER,TEN
Select Display Sequence: ?
    Display Sequence      Value
    -----
    1      VA-DIABETIC FOOT CARE ED.
    2      VA-TOBACCO EDUCATION
    5      VA-*PNEUMOCOCCAL VACCINE
    10     VA-INFLUENZA VACCINE
    15     VA-*BREAST CANCER SCREEN
    25     TOBACCO USE SCREEN
    30     VA-*CHOLESTEROL SCREEN (M)
    35     VA-*COLORECTAL CANCER SCREEN
(FOBT)
    40     VA-*HYPERTENSION SCREEN

Select Display Sequence: 20
Display Sequence: 20// <Enter>      20
Clinical Reminder: MENTAL HEALTH TESTS
Select Display Sequence: <Enter>
```

## Add/Edit Reminder Categories (CA)

Reminder categories are maintained with this option. A category defines a group of reminders and may include other sub-categories. To activate categories so that they appear in the reminders window in CPRS (under OTHER), use the option CPRS Lookup Categories. Reminder categories are also used in the Reminder Report options.

The first screen in this option displays the existing reminder categories:

```
Selection List                        Aug 00, 1999 00:00:00      Page:  1 of
1
Reminder Categories
Item Reminder Category
    1  DIABETES CLINIC REMINDERS
    2  WEIGHT AND NUTRITION

AD  Add                        PT  List/Print All      QU  Quit
Select Item: Quit//
```

## Actions

- AD** Add a new reminder category.
- PT** List or print all reminder categories
- QU** Return to menu
- #** Enter the item number to be edited.

If you select a reminder category, a description and related reminders are displayed. You can then edit the category

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------|
| <b>Edit List</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Apr 00, 2000 00:00:00 | Page: 1 of 1 |
| 1<br>Reminder Category Name: SLC DEMO CATEGORY<br>Category Description:<br>This is the text for that summarizes what this category represents. A category may contain reminders and/or a number of sub-categories.<br>Sequence: 1   Reminder: SLC CANCER SCREEN<br>Sequence: 2   Reminder: SLC DIABETIC EYE EXAM<br>Sequence: 3   Reminder: SLC LIFE STYLE EDUCATION<br>Sequence: 4   Reminder: SLC PNEUMOCOCCAL VACCINE<br>Sequence: 90   Reminder: SLC DIABETIC FOOT CARE ED<br>Sequence: 97   Reminder: 571 TEST<br>Sequence: 98   Reminder: PROVIDER'S DIABETIC REVIEW<br>Sequence: 99   Reminder: MHTEST<br><br>Sub-category: SUBSTANCE ABUSE<br>Sequence: 1   Reminder: TOBACCO EDUCATION<br>Sequence: 2   Reminder: TOBACCO USE SCREEN<br>Sequence: 3   Reminder: VA-*PROBLEM DRINKING SCREEN |                       |              |
| <b>+           + Next Screen   - Prev Screen   ?? More Actions</b><br><b>&gt;&gt;&gt;</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |              |
| ED   Edit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | INQ   Inquiry/Print   | QU           |
| Quit<br>Select Action: Quit// <b>ED</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |              |

## Actions

- ED** Edit/Delete this reminder category
- INQ** List or print this reminder category
- QU** Return to previous screen.

## CPRS Lookup Categories (CL)

Enter the Reminder Categories that you wish to be displayed on the reminder tree section of the note tab. These will appear in the “Other” folder.

```
Select CPRS Reminder Configuration Menus Option: CL  CPRS Lookup
Categories
Reminder Categories for Lookup may be set for the following:
    1  User      USR      [choose from NEW PERSON]
    2  Location  LOC      [choose from HOSPITAL LOCATION]
    3  Service   SRV      [choose from SERVICE/SECTION]
    4  Division  DIV      [ISC SALT LAKE]
    5  System    SYS      [DEVCUR.ISC-SLC.VA.GOV]
    6  Package   PKG      [CLINICAL REMINDERS]

Enter selection: 1  User      NEW PERSON
Select NEW PERSON NAME:  CPRSPROVIDER,TEN      TC

----- Setting Reminder Categories for Lookup  for User: CPRSPROVIDER,TEN
Select Display Sequence: ?

      Display Sequence      Value
      -----
      1                     SUBSTANCE ABUSE
      5                     HEPATITIS C
      10                    WEIGHT AND NUTRITION
      15                    SLC REMINDER CATEGORY
      20                    Usability Test Reminders

Select Display Sequence: 25
Are you adding 25 as a new Display Sequence? Yes//<Enter>  YES
Display Sequence: 25//  <Enter>  25
Reminder Category: ??

Choose from:
  Acute Pain
  Cancer Pain
  Chronic Pain
  HEPATITIS C
  JKL REMINDER CATEGORY
  Pain Management
  SLC REMINDER CATEGORY
  SUBSTANCE ABUSE
  USH POLICY
  Usability Test Reminders
  WEIGHT AND NUTRITION

Reminder Category: JKL REMINDER CATEGORY
...OK? Yes// <Enter>  (Yes)
Select Display Sequence: <Enter>
```

## Progress Note Headers (PN)

The header inserted into the progress note when processing a reminder may be modified for user, location, or service. The default header is Clinical Reminders Activity.

```
Select CPRS Reminder Configuration Menus Option: PN Progress Note Headers
Progress Note Header may be set for the following:
  1 User      USR      [choose from NEW PERSON]
  2 Location  LOC      [choose from HOSPITAL LOCATION]
  3 Service   SRV      [choose from SERVICE/SECTION]
  4 Division  DIV      [REGION 5]
  5 System    SYS      [DEVCUR.ISC-SLC.VA.GOV]
  6 Package   PKG      [CLINICAL REMINDERS]

Enter selection: 1 User      NEW PERSON
Select NEW PERSON NAME: CPRSPROVIDER,TEN      TC

----- Setting Progress Note Header for User: CPRSPROVIDER,TEN --
PROGRESS NOTE HEADER: ?
This response can be free text.
PROGRESS NOTE HEADER: GREEN NOTES
```

**Reminder Resolution: Tobacco Use Screen**

☒ Patient had tobacco use screening at this encounter. Level of Understanding: [None selected]

Comment:

☐ Patient received tobacco use screening at another facility.

☐ Patient declined tobacco use screening at this encounter.

☒ Exercise counseling codes

☒ This encounter Selectable Diagnoses: (None Selected)

☐ Primary Diagnosis Comment:

☐ Add to Problem List

☐ Previous encounter

☐ Exercise Counseling ( )

☐ Other Counseling, No

☐ Person Feigning Illness

OK

Clear Clinical Maint < Back Next > Finish Cancel

**GREEN NOTES**

**Tobacco Use Screen:**

**Patient had tobacco use screening at this encounter.**

**Exercise counseling codes**

... .

Patient Educations: **Tobacco Use Screening**

Progress Note Header text appears at the top of all text generated from reminder dialogs for a given note.

## Reminder GUI Resolution Active (RA)

This option lets you activate GUI reminder resolution processing at a user, division, or system level. When activated, a reminders drawer is available on the notes tab for selecting and processing reminders.







```
Select CPRS Reminder Configuration Menus Option: RA Reminder GUI
Resolution Active
Reminders Active may be set for the following:
    1   User          USR    [choose from NEW PERSON]
    2   Division      DIV    [ISC SALT LAKE]
    3   System        SYS    [DEVCUR.ISC-SLC.VA.GOV]

Enter selection: 1 User    NEW PERSON
Select NEW PERSON NAME:  CPRSPROVIDER,TEN      TC

----- Setting Reminders Active  for User: CPRSPROVIDER,TEN-----
REMINDERS ACTIVE: YES// <Enter>
```

## Reminder Icon Definitions

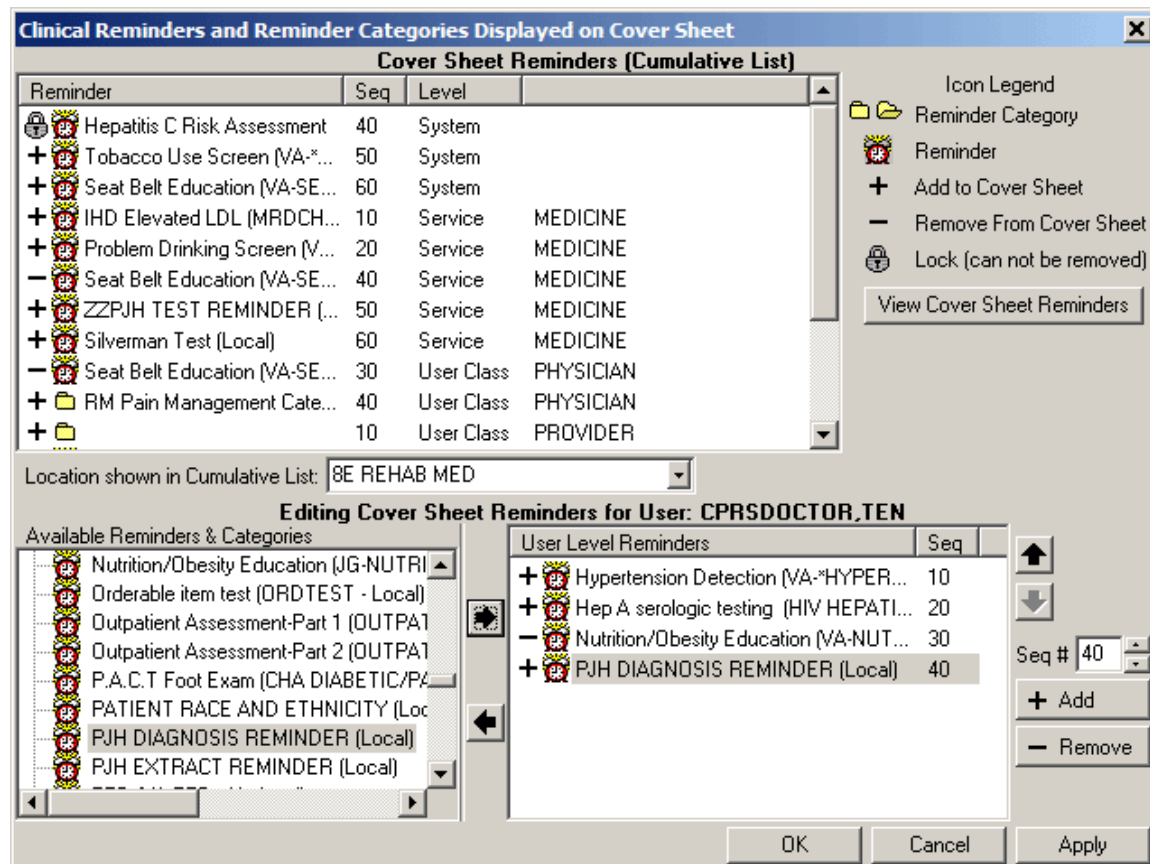
CPRS uses two sources for the lists of reminders, one for cover sheet reminder evaluation (dependent on the New Reminders Parameter setting) and one for the “Other” section of the tree (the PXRMR CPRS LOOKUP CATEGORIES parameter). The CPRS GUI combines these two lists into one tree view.

| Icon                                                                                | Description                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | Red, ringing alarm clock means that a reminder is due. When present in the reminders button, cover sheet reminders have been evaluated, and there is at least one reminder due.                                                                                                                                         |
|    | Blue, non-ringing alarm clock means that a reminder is not due, but applicable. When present in the reminders button, cover sheet reminders have been evaluated, none of them are evaluated as due, but at least one of them has been evaluated as applicable.                                                          |
|    | Wall clock means that a reminder is not applicable. When present in the reminders button, coversheet reminders have been evaluated, but none of them have been evaluated as due or applicable. Reminders that were found in the PXRMR CPRS LOOKUP CATEGORIES parameter have been evaluated as not applicable.           |
|   | Question mark means that a reminder’s status of due, applicable or not applicable has yet to be evaluated. When present on the reminders button, no available reminders have been evaluated. This typically happens when reminders in the ORQQPX SEARCH ITEMS parameter are not defined or have not yet been evaluated. |
|  | Present only in the reminders tree, a dialog icon is displayed in the lower right hand corner of a clock icon when there is a reminder dialog associated with that reminder.                                                                                                                                            |
|  | Present only in the reminders tree, a dialog icon, with a check mark over the dialog, is displayed in the lower right hand corner of a clock icon after the reminder dialog associated with that reminder has been processed. When these reminders are re-evaluated, the check mark is removed.                         |

## New Cover Sheet Reminder List

Users that are allowed access to the PXRMR CPRS CONFIGURATION menu are allowed to modify the new reminder cover sheet parameters from within the CPRS GUI. This feature is available from the Edit Cover Sheet Reminder List menu option, under the Action menu of the Reminder Tree dialog. This dialog can be accessed even when the New Reminder Parameters setting is No, allowing for the setup of reminders before actually turning them on.

Reminders entered through this dialog are stored in the ORQQPX COVER SHEET REMINDERS and ORQQPX COVER SHEET REM CLASSES parameters. Since these parameters contain coded data, it is important that these parameters are not edited directly (they should only be modified through this dialog). Note that the cover sheet reminders entered through this dialog will only be active on the cover sheet if the ORQQPX NEW REMINDER PARAMS parameter is set.



The dialog consists mainly of three large list fields. The **Cover Sheet Reminders (Cumulative List)** field displays selected information on the Reminders that will be displayed on the Cover Sheet. The **Available Reminders & Categories** field lists all available Reminders and serves as a selection list. The **Level Reminders** field displays the Reminders that you have added to or removed from the cumulative list at a specified level.

You may sort the Reminders in the **Cover Sheet Reminders (Cumulative List)** field by clicking on any of the column headers. Click on the Seq (Sequence) column header to view the Reminders in the order in which they will be displayed on the Cover Sheet.

An icon legend is displayed to the right of the **Cover Sheet Reminders (Cumulative List)** field. A folder icon represents a Reminder Category while a red alarm clock represents an individual Reminder. A Reminder with a plus sign in the first column has

been added to the list while a Reminder with a minus sign in the first column has been removed from the list, if it was specified at a higher level. A Reminder with a padlock in the first column has been added to the cover sheet list, and is locked in place, so that settings at lower levels cannot remove the reminder.

### **Cover Sheet Reminders (Cumulative List)**

The Level column of the Cover Sheet Reminders (Cumulative List) field displays the originating authority of the Reminder, which can include System, Division, Service, Location, User Class, and User. The Seq (Sequence) column defines the order in which the Reminders will be displayed on the Cover Sheet. If there are two or more Reminders with the same sequence number, the Reminders will be listed by level (System, Division, Service, Location, User class, User).

### **Select Cover Sheet Parameter Level to Display / Edit**

This area of the dialog allows selection of the level you want to modify. For example, if you want to set reminders at the system level, click on the System radio button. All but the system level have accompanying drop down boxes that allow selection of the Division, Service, Location, User Class or User. These settings also determine the list that is displayed in the Cover Sheet Reminders List. Note that, when not editing a specific user class, the User Class combo box will usually remain blank. This allows all user classes to be displayed for which the specified user is a member of.

### **Available Reminders & Categories**

This field displays all of the Reminders and Reminder Categories available to the user. Notice that the reminder name is in parentheses after the print name. Categories are groups of related Reminders that can be added as a group. When editing a specific level of cover sheet reminders, highlight a Reminder or Category from the Available Reminders & Categories field and click the right arrow to add them to the cover sheet reminders defined at that level.

### **Level Reminders**

This field displays all cover sheet Reminders defined for the current level. To add a Reminder to this list, highlight the desired Reminder in the Available Reminders & Categories field and click the right arrow button. To delete a Reminder from this list, highlight the Reminder in the Level Reminders field and click the left arrow.

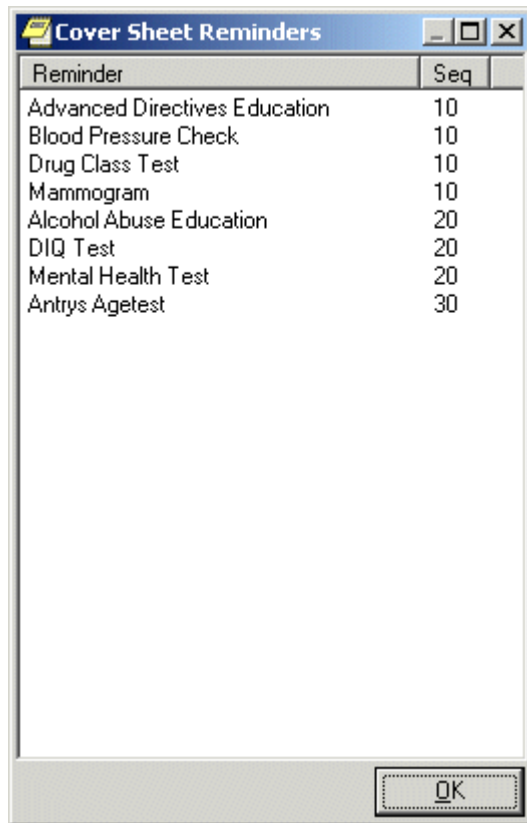
You may determine the order in which the Reminders will be displayed on the Cover Sheet by changing the Reminder's Sequence number. To change the order of User Level Reminders, highlight Reminders and click the up arrow or down arrow until the desired order is achieved.

You may remove any higher level Reminders that are not locked by adding the Reminder to the current level, and clicking the Remove button, which places a minus sign in front of the reminder. You can lock a reminder at any level (other than the User level) by pressing the Lock button.



### **Cover Sheet Reminders**

Once you have the Cumulative List, as you want it, click **View Cover Sheet Reminders** to view how the reminders will be displayed on your Cover Sheet for the specified levels.



Once you have made all of the desired changes to the Reminders that will be displayed on the Cover Sheet, click OK.

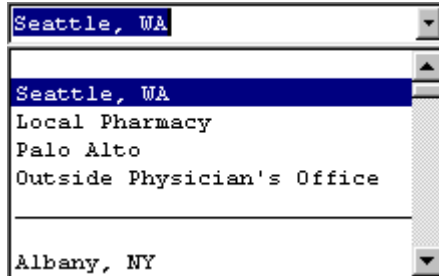
### **Reminder Dialog Outside Location Prompts**

Within portions of a reminder dialog where historical encounter information is entered, a new parameter, ORQQPX DEFAULT LOCATIONS, can be set up to define default outside locations for the PXRm OUTSIDE LOCATION prompt (PXRm OUTSIDE LOCATION is a reminder dialog prompt that is exported with the reminders package). Each free text entry in this multi-valued parameter will appear at the top of the list of locations in the drop down list. If a number is entered as the free text value, CPRS will attempt to locate an entry in the Institution file (#4) with the same internal entry number.

For example, a parameter setting like this:

| Display Sequence | Value                      |
|------------------|----------------------------|
| -----            | -----                      |
| 1                | 663                        |
| 2                | Local Pharmacy             |
| 3                | 640                        |
| 4                | Outside Physician's Office |

Will result in an outside location drop down list like this:



Note that Seattle, WA and Palo Alto are entries in the institution file with internal entry numbers of 663 and 640, respectively.

## Placing Reminder Dialog Generated Text

The default behavior of reminder dialogs is to insert any text generated by the reminder dialog at the bottom of the current note. When the ORQQPX REMINDER TEXT AT CURSOR parameter is set, text will be inserted at the current cursor location.

## Configuring the Mental Health DLL Used with Reminders

In order to use the Mental Health dynamic link library (YS\_MHA.dll), some set up is necessary. A clinical application coordinator (CAC) or other individual at the site must ensure the following items have been done correctly:

- The Mental Health DLL (YS\_MHA.DLL) must be placed in the \program files\vista\common directory. On the workstation, this is usually located at c:\program files\vista\common files\
- The user must be given the YSBROKER1 menu option as a secondary menu. All users can be given this menu option because if the users do not have the appropriate key, they cannot use the restricted psychological assessment tools.
- Individuals who will administer the psychological assessments must be given the YSP key.

**Note:** The YSP key belongs to the Mental Health package and is only necessary for a few test. This key is not new, but the individual using the new Mental Health assessments must hold the key.)

For additional information, please see the Mental Health and Clinical Reminders manuals.

### **Customizing the Mental Health Assessments Pop-Up Message Text**

The CPRS GUI has an informational pop-up in which sites can define text that will display to the user when the Mental Health assessment is completed. Sites define the text for the pop-up at the same time that they define the text that will go into the progress note for the result element. For more information on how to define the text for this dialog, please see the Clinical Reminders documentation.

# Consults Tab Settings

## Criteria Used to Determine Requests Displayed in List

---

The parameter ORCH CONTEXT CONSULTS contains information used to limit or customize the list of consult requests displayed to the user. This parameter is used by both the CPRS GUI and List Manager versions. It can be set by SYSTEM and by USER.

The parameter's value is a semicolon-delimited string, the pieces of which contain the following:

a;b;c,c,c;d;e;f                      (example: T-90;T;5,6,8;4;S;1)

- a.      Begin date
- b.      End date
- c.      Status (pointer to ORDER STATUS file (#100.01); can be multiple statuses as a comma-separated list)
- d.      Service (pointer to CONSULT SERVICES file (#123.5))
- e.      Group tree view by service (V), status (S) or type (T). Grouping by Type separates consults and procedures.
- f.      Order of consults in tree view. Either reverse chronological (0) or chronological

The user-level value for this parameter can be set using the "Custom View" menu and saving the selected options as the default.

## Access Determinations

---

The following fields in the REQUEST SERVICES file (#123.5) determine all user access to Consults tab actions. See Consults 3.0 documentation for detailed explanations of these fields.

- UPDATE USERS W/O NOTIFICATIONS
- UPDATE TEAMS W/O NOTIFICATIONS
- ADMINISTRATIVE UPDATE USERS
- ADMINISTRATIVE UPDATE TEAMS
- UPDATE USER CLASSES W/O NOTIFS
- SPECIAL UPDATES INDIVIDUAL

A Consults package API, **CPRS^GMRCACTM(Consult IEN)**, evaluates the user and the above fields, and returns access level information for the user for a given consult and consult service. DUZ is expected to be set to that of the user being evaluated. The integer result is returned in the first piece of an **ORFLG(Consult IEN)** array element. Possible return values, and the Consults package menu options they allow, are as follows:

1. GMRCACTM USER REVIEW SCREEN - simple actions. This user can basically only display information about the selected consult, or add a comment.
2. GMRCACTM SERVICE ACTION menu - all actions possible for an update user in the selected consult's service. This user has full access to all GUI menu

options for this consult, including entering results via a TIU document. The exception is the “Administrative Complete” menu option, which is reserved for category (3) below.

3. GMRCAC TM ADMIN ACTION menu - administrative user. Administrative users have access to all consult tracking options, but do not have access to the TIU result options. They are still able to complete the selected consult via the separate “Administrative Complete” tracking menu option.
4. User has the same access as if both 2 and 3 were in effect.

The second “^” piece of the **ORFLG(Consult IEN)** array element contains the text version of the user's access level, and the third piece lists the service and field from which this access level is derived. This may be the service of the currently selected consult, or a parent service in the service hierarchy. Access to these text values is currently available for debugging via the “Last Broker Call” option on the Help menu.

## Setting New Request Parameters

---

The “New Consult” and “New Procedure” buttons, as well as the “New...” menu option, (Action | New) can be linked to a specified order dialog, quick order, or order menu, resulting in behavior identical to ordering via the Orders tab. As exported, clicking on the buttons will display the generic consults or procedures ordering dialog. By changing the value of the parameters **ORWDX NEW CONSULT** or **ORWDX NEW PROCEDURE**, this default behavior can be modified and customized by **SYSTEM**, **LOCATION**, and **USER**.

These parameters cannot be directly changed using the GUI, and must be modified using the Parameter Tools menu options. Any existing order dialog, quick order, or order menu can be assigned to the parameter, at any of the three levels. A common practice is to assign the same consults or procedures order menu to the buttons as is used on the Orders tab. This provides consistent functionality, and two ways to access the same lists of quick orders.

There is currently no available way to disable the buttons entirely. A common method of effectively disabling the buttons is to create an order menu consisting of only a text entry. That entry should advise the user that ordering is only available via the Orders tab. Assign that menu to the appropriate parameter, and the menu text will be displayed to the user when the button is selected.

# Discharge Summary Tab Settings

## Requirements for Admission and Attending

---

Creating a new discharge summary differs from creating a new progress note in two main areas.

First, every discharge summary must be linked to a hospital admission. The document properties dialog that is initially displayed when creating a new summary contains a list of admissions to which the new document can be linked. In the GUI, there is currently an enforced limit of one discharge summary per admission episode. The TIU document parameters defined for the DISCHARGE SUMMARY document class allow a setting of multiple documents per admission, but the GUI does not currently use this setting.

Secondly, for discharge summaries, the patient's attending physician is always the expected cosigner of the document, and this co-signature is required in all cases. The document properties dialog displayed on creation of a new summary contains a selection box labeled "Attending" to set this value. There is no default value for this selection box.

An attending physician must be selected from the list of active users possessing the PROVIDER key. When you click OK, the selected attending physician is checked against the USER CLASS file to determine the presence of a currently active membership in the PROVIDER user class.

## Criteria Used to Determine Summaries Shown in List

---

The parameter ORCH CONTEXT SUMMRIES contains information used to limit or customize the list of summaries displayed to the user. This parameter is used by both the CPRS GUI and List Manager versions. It can be set by SYSTEM and by USER. The parameter's value is a semicolon-delimited string, the pieces of which contain the following:

a;b;c;d;e;f;g;h;i;j;k;l      Example: **T-90;T;1;1329;20;1;A;1;1;T;B;test**

- a      Begin date
- b      End date
- c      Status (pointer to the TIU STATUS file (#8925.6))
- d      Author (pointer to the NEW PERSON file (#200))
- e      Occurrence Limit - The number of notes actually shown by default is determined by using the Occurrence Limit from the parameter, and then, if not present, the NUMBER OF NOTES ON REV SCREEN from TIU preferences.
- f      If present and non-zero, show subject in notes list.
- g      Sort notes in list view by visit date (D), author (A), title (T), location (L), or subject (S).
- h      If present and non-zero, sort tree view chronologically, otherwise reverse chronologically.
- i      If present and non-zero, sort list view chronologically, otherwise reverse chronologically.

- j        Group notes in treeview by visit date (D), author (A), title (T), or location (L).
- k        Field to search for keyword in (l). Subject (S), Title (T), or Both (B).
- l        Keyword to search for in fields defined in (k).

The user-level value for this parameter can be set using the “Custom View” menu and saving the selected options as the default.

## Labs Tab Settings

The Labs tab is only used for reviewing lab results. Ordering is done from the Orders tab. You cannot make configuration changes to add other reports to the Labs tab.

The reports correspond to reports in the Lab package.

Remote Data Views are also available from the Labs tab. They are discussed in the Remote Data View section.

### Labs Reports

These reports are hard-coded specifically for the GUI:

| Report                 | Description                                                                                                                                                                 |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Most Recent            | Similar to Interim Report but displayed in a table format. Displays one collection at a time.                                                                               |
| Cumulative             | Routine similar to Lab's Cumulative (chart copy)                                                                                                                            |
| All Tests by Date      | Routine similar to Lab's Interim Report                                                                                                                                     |
| Selected Tests by Date | Routine similar to Lab's Interim Report for Selected Tests                                                                                                                  |
| Worksheet              | Similar to Lab's General Report and LRUMD options also graphing and viewing only abnormal results (with features of Edit/Print/Display Pre-selected Lab Tests and Graphing) |
| Graph                  | Similar to Lab's Graph Report (1 test)                                                                                                                                      |
| Microbiology           | Routine similar to Lab's Micro Report used on Interim                                                                                                                       |

These reports use a HOST file to display results:

| Report             | Description                               |
|--------------------|-------------------------------------------|
| Anatomic Pathology | Lab's AP Report                           |
| Blood Bank         | Lab's Blood Bank Report                   |
| Lab Status         | Similar to Lab's Order Test Status Report |



## Reports tab

The Reports tab has a collection of reports that are available to review. The following parameters are used in the Reports Tab:

**ORCH CONTEXT REPORTS** – This parameter is used when the imaging report is selected to determine the date range and occurrence limits of the reports to display for selection. This parameter can be set at the SYSTEM and USER levels.

*Example value:* **T-365;T;;;10**

This example value has a date range from a year ago (T-365) to today (T).

Remote Data Views are also viewable from the Reports tab (discussed later).

## Host file setup

---

Many of the reports use the same M code for display in the GUI and display to terminal based applications. Using a HOST file to act as a buffer to hold the report does this. The code uses the same M write commands and spacing as if writing to a printer or screen display. The data in the host file is then read into a global using %ZISH utilities provided by Kernel. The global can then be passed back to the GUI application via the RPC Broker or used for conventional reporting (e.g. List Manager). This allows report changes to affect both the GUI and screen displays.

## Health Summary Configuration

---

**ORWRP HEALTH SUMMARY LIST ALL** – Used on the Health Summary report to present all health summary types for selection. This parameter can be set by SYSTEM, DIVISION or USER.

**ORWRP HEALTH SUMMARY TYPE LIST** – Used on the Health Summary report to determine the sequence and allowable health summary types for selection. This parameter can be set by SYSTEM and USER.

## Daily Order Summary

---

The term Daily refers to a user specified date on which orders were entered. Any orders entered on the specified date will appear on the Daily Order Summary.

## Improving Graphing Performance: Graphing Resource Device

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**Note:** In CPRS v.29, caching for graphing is disabled.

CPRS v27 has improved performance on graphing patient data by using a “cache” that gathers and temporarily stores the patient’s data in advance of using graphing functions.

Using the cache avoids always fetching the data. When caching is not used, the graphing functions extract data when items are selected, which can be time-consuming.

Caching is only used under specific conditions and is transparent to the user. Caching happens only when a user has previously graphed results on a specific patient. When Provider A is reviewing Patient Z for the first time, graphing will extract data only when items are selected. If Provider A selects Patient Z again and uses graphing, the following sequence happens:

1. A job is started in the background, this job checks to see if the patient already has cached data.
  - If the patient has cached data, then only recent data is extracted to update that cache.
  - If there is no cached data, then all data on the patient is extracted to create a new cache. This ensures that the cache has all data on the patient.
2. The cache is transferred to the CPRS application for use with graphing.
3. While the user is graphing patient data, the application continuously checks if the cache has been transferred (if there is new data), and if it has it uses that new data. Otherwise, continues using the old method of extracting from selected items.

In order to make sure that there is not excessive system processing of extracting data, a new resource device (ORWG GRAPHING RESOURCE) is included in CPRS v27. It is initially set to only allow 3 processes to be running at one time. The Resource Slots field can be changed to allow more or less processes to occur.

|                                                        |                             |
|--------------------------------------------------------|-----------------------------|
| NAME: ORWG GRAPHING RESOURCE                           | \$I: ORWG GRAPHING RESOURCE |
| LOCATION OF TERMINAL: CPRS GUI graphing data retrieval |                             |
| RESOURCE SLOTS: 3                                      | SUBTYPE: P-OTHER            |
| TYPE: RESOURCES                                        |                             |

## Assigning a Default CPRS Printer

---

You can designate which printer should be the default printer for a CPRS user and for the printing of orders, such as chart copy, work copy, and labels. You should know three things about printing in CPRS:

1. Graphs and popup windows of detailed displays can ONLY be printed to a Windows printer.
2. Printing of orders is affected by a different set of parameters than the default printer for other items that can be printed from the chart.
3. When a user selects a printer during a print operation, that printer remains the default for the session unless the user selects a different printer or logs out and logs back in, which will change back to the saved defaults. They can also click the checkbox on the dialog to make the selected printer their default.

The two parameters that affect printer selection:

- ORWDP DEFAULT PRINTER
- ORWDP WINPRINT DEFAULT

## Setting a Default Printer

---

The parameter ORWDP DEFAULT PRINTER allows a default printer to be set at the LOCATION and USER levels. Setting this parameter to an entry in the DEVICE file will cause that device to be selected as the default in all VISTA printer selection dialogs. The one exception is the Orders Print dialog. Because other parameters related to printing orders come into play in that case, the default printer defined here does not apply to printing orders. Those parameters are described in more detail below.

The session default printer, i.e., the most recently used printer, takes precedence over the value set in this parameter.

The check box on the printer dialog allows the individual user to set this parameter at the USER level without the need to use the roll-and-scroll parameter tools options.

## Setting a Windows Printer as a User's Default Printer

---

You can designate a local, Windows, or network printer as the default. The parameter ORWDP WINPRINT DEFAULT can be set at the SYSTEM, LOCATION, and USER LEVEL.

If this parameter is set to TRUE, the default Windows printer for each workstation will be used as the default printer for all printing tasks except orders. When a user clicks on **File | Print**, CPRS displays the standard Windows print dialog instead of the VISTA printer selection dialog, and any output will be sent to the selected Windows printer.

Also, if "Windows Printer" is selected on the VISTA printer selection dialog, and the "Save as User Default" checkbox is checked, this parameter will be set to TRUE for the user.

**Note:** As described above, selecting a Windows printer, regardless of whether it is the default, will result in that printer becoming the default printer for the session or until another printer is selected. When a user select a Windows printer, the VISTA printer selection dialog no longer appears. A VISTA printer cannot be selected. To select a VISTA printer, the user must click on **File | Print Setup** and choose the desired VISTA printer.

Graphs and popup windows of detailed displays can ONLY be printed to a Windows printer. For these items, the Windows print dialog will appear regardless of any default printer settings.

## Setting Up Orders Printing

---

The Print/Report Parameters option sets up the printing of orders and is accomplished via the OR PARAM PRINTS parameter on the Clinical Coordinators menu. There should be no need to edit the parameters directly. The parameters affected are as follows:

- ORPF CHART COPY PRINT DEVICE
- ORPF PROMPT FOR CHART COPY
- ORPF PROMPT FOR WORK COPY
- ORPF WORK COPY PRINT DEVICE
- ORPF PROMPT FOR REQUISITIONS
- ORPF REQUISITION PRINT DEVICE
- ORPF PROMPT FOR LABELS
- ORPF LABEL PRINT DEVICE
- ORCL NATURE

## **ORPF Prompt for Chart Copy and ORPF Prompt for Work Copy**

ORPF Prompt For CHART Copy and ORPF Prompt For WORK Copy parameters affect the checkbox and the “Change” button for each copy type.

### **Possible Values:**

1. PROMPT AND ASK DEVICE
  - Checkbox will be unchecked and enabled.
  - “Change” button will be enabled.
2. PROMPT BUT DON’T ASK DEVICE
  - Checkbox will be unchecked and enabled.
  - “Change” button will be disabled.
3. DON’T PROMPT
  - Checkbox will be checked and disabled.
  - “Change” button will be disabled.
  - Print type will be highlighted in reverse video.
4. DON’T PRINT
  - Checkbox will be unchecked and disabled.
  - “Change” button will be disabled.

If none of the copy types are set up to require any prompting, the print dialog will not be displayed, and the appropriate copies will simply be printed or not, depending on the values of the respective parameters.

Highlighted items will always print, regardless of the method used to exit the print dialog. They have been defined to print in all cases without prompting.

Print formats are defined in the OE/RR PRINT FORMATS file (#100.23). The parameters ORPF CHART COPY FORMAT and ORPF WORK COPY FORMAT determine which of the pre-defined formats will apply to a given copy type, for both the GUI and CPRS List Manager. If no print format is defined for the specific type of copy, the checkbox and the change button will be disabled in the GUI, and no device will be selected.

## **ORPF CHART COPY PRINT DEVICE and ORPF WORK COPY PRINT DEVICE**

The ORPF CHART COPY PRINT DEVICE and ORPF WORK COPY PRINT DEVICE Parameters determine which, if any, device appears in the device selection box as the default.

## ORCL NATURE

For each Nature of Order, CPRS can be configured through the Print Parameters for Nature of Order menu item to print a chart copy, print on the daily summary, or print a work copy and whether or not the specified nature of order should show under Active orders on the Orders tab. If the Nature of Order is configured to print, then the other parameters in the list above are checked to determine if CPRS should present the user with the dialog asking whether the user wants to print the copy or to which device the copy should be sent.

**Note:** Previously, these options for each Nature of Order could be set using Fileman, but Fileman access to these options will no longer be allowed. The menu item Print Parameters for Nature of Order is the only way to set these options.

The following four fields in the NATURE OF ORDER file (#100.02) can be edited through this option:

- PRINT CHART COPY (#.12)
- PRINT DAILY SUMMARY (#.13)
- PRINT WORK COPY (#.15)
- INCLUDE IN ACTIVE ORDERS (#.16)

Below is a sample execution of the new option:

```
Select Print/Report Parameters Option: NA  Print Parameters for Nature of
Order

Select NATURE OF ORDER: AUTO          A
PRINT CHART COPY: NO//
PRINT DAILY SUMMARY: NO//
PRINT WORK COPY: NO//
INCLUDE IN ACTIVE ORDERS: NO//

Select NATURE OF ORDER:
```

## Appendix A - RPC's

Remote procedure calls (RPCs) have the OR namespace in the Remote Procedure file. This listing shows the RPCs for patch 10 listed alphabetically with the tag and M routine. The GUI will call these M procedures using the RPC Broker.

These calls are not public utilities and may be subject to change in the future. A FileMan inquiry on the RPC entry in the Remote Procedure file will display other information.

All of these RPCs must be included in the OR CPRS GUI CHART option for users to use the GUI.

| <b>RPC</b>                   | <b>TAG</b> | <b>ROUTINE</b> | <b>PATCH #</b> |
|------------------------------|------------|----------------|----------------|
| ORB DELETE ALERT             | DEL        | ORB3FUP1       |                |
| ORB FOLLOW-UP ARRAY          | GUI        | ORB3FUP1       |                |
| ORB FOLLOW-UP STRING         | GUI        | ORB3FUP1       |                |
| ORB FOLLOW-UP TYPE           | TYPE       | ORB3FUP1       |                |
| ORB SORT METHOD              | SORT       | ORQORB         |                |
| ORK TRIGGER                  | EN         | ORKCHK         |                |
| ORQ NULL LIST                | NLIST      | ORQPTQ2        |                |
| ORQOR DETAIL                 | DETAIL     | ORWOR          |                |
| ORQOR LIST                   | LIST       | ORQOR1         |                |
| ORQORB SORT                  | SORT       | ORQORB         |                |
| ORQPT ATTENDING/PRIMARY      | ATT PRIM   | ORQPTQ3        |                |
| ORQPT CLINIC PATIENTS        | CLINPTS    | ORQPTQ2        |                |
| ORQPT CLINICS                | CLIN       | ORQPTQ2        |                |
| ORQPT DEFAULT LIST SORT      | DEFSORT    | ORQPTQ11       |                |
| ORQPT DEFAULT LIST SOURCE    | DEFSRC     | ORQPTQ11       |                |
| ORQPT DEFAULT PATIENT LIST   | DEFLIST    | ORQPTQ11       |                |
| ORQPT PATIENT TEAM PROVIDERS | TPTPR      | ORQPTQ1        |                |
| ORQPT PROVIDER PATIENTS      | PROVPTS    | ORQPTQ2        |                |
| ORQPT PROVIDERS              | PROV       | ORQPTQ2        |                |
| ORQPT SPECIALTIES            | SPEC       | ORQPTQ2        |                |
| ORQPT SPECIALTY PATIENTS     | SPECPTS    | ORQPTQ2        |                |
| ORQPT TEAM PATIENTS          | TEAMPTS    | ORQPTQ1        |                |
| ORQPT TEAMS                  | TEAMS      | ORQPTQ1        |                |
| ORQPT WARD PATIENTS          | WARDPTS    | ORQPTQ2        |                |
| ORQPT WARDRMBED              | WRB        | ORQPTQ3        |                |
| ORQPT WARDS                  | WARD       | ORQPTQ2        |                |
| ORQQAL DETAIL                | DETAIL     | ORQQAL         |                |
| ORQQAL LIST                  | LIST       | ORQQAL         |                |
| ORQQAL LIST REPORT           | LRPT       | ORQQAL         |                |

| RPC                            | TAG      | ROUTINE | PATCH # |
|--------------------------------|----------|---------|---------|
| ORQQCN ADDCMT                  | CMT      | ORQQCN2 |         |
| ORQQCN ADMIN COMPLETE          | ADMCOMPL | ORQQCN2 |         |
| ORQQCN ASSIGNABLE MED RESULTS  | GETMED   | ORQQCN3 |         |
| ORQQCN ATTACH MED RESULTS      | MEDCOMP  | ORQQCN3 |         |
| ORQQCN CANEDIT                 | CANEDIT  | ORQQCN1 |         |
| ORQQCN DEFAULT REQUEST REASON  | DEFRFREQ | ORQQCN2 |         |
| ORQQCN DETAIL                  | DETAIL   | ORQQCN  |         |
| ORQQCN DISCONTINUE             | DC       | ORQQCN1 |         |
| ORQQCN EDIT DEFAULT REASON     | EDITDRFR | ORQQCN2 |         |
| ORQQCN FIND CONSULT            | FINDCSLT | ORQQCN1 |         |
| ORQQCN FORWARD                 | FR       | ORQQCN1 |         |
| ORQQCN GET CONSULT             | GETCSLT  | ORQQCN1 |         |
| ORQQCN GET MED RESULTS DETAILS | DISPMED  | ORQQCN3 |         |
| ORQQCN GET ORDER NUMBER        | GETORDER | ORQQCN1 |         |
| ORQQCN GET PROC SVCS           | PROCSVCS | ORQQCN1 |         |
| ORQQCN GET SERVICE IEN         | SVC IEN  | ORQQCN2 |         |
| ORQQCN LIST                    | LIST     | ORQQCN  |         |
| ORQQCN LOAD FOR EDIT           | EDITLOAD | ORQQCN1 |         |
| ORQQCN MED RESULTS             | MEDRSLT  | ORQQCN2 |         |
| ORQQCN PRINT SF513             | PRT513   | ORQQCN2 |         |
| ORQQCN PROV DX                 | PROV DX  | ORQQCN2 |         |
| ORQQCN RECEIVE                 | RC       | ORQQCN1 |         |
| ORQQCN REMOVABLE MED RESULTS   | GETRES   | ORQQCN3 |         |
| ORQQCN REMOVE MED RESULTS      | REMOVE   | ORQQCN3 |         |
| ORQQCN RESUBMIT                | RESUBMIT | ORQQCN1 |         |
| ORQQCN SET ACT MENUS           | SETACTM  | ORQQCN1 |         |
| ORQQCN SF513 WINDOWS PRINT     | WPRT513  | ORQQCN2 |         |
| ORQQCN SHOW SF513              | SHOW513  | ORQQCN2 |         |
| ORQQCN SIGFIND                 | SIGFIND  | ORQQCN2 |         |
| ORQQCN STATUS                  | STATUS   | ORQQCN2 |         |
| ORQQCN SVC W/SYNONYMS          | SVCSYN   | ORQQCN2 |         |
| ORQQCN SVCLIST                 | SVCLIST  | ORQQCN2 |         |
| ORQQCN SVCTREE                 | SVCTREE  | ORQQCN2 |         |
| ORQQCN URGENCIES               | URG      | ORQQCN1 |         |
| ORQQCN2 GET CONTEXT            | GETCTXT  | ORQQCN2 |         |
| ORQQCN2 GET PREREQUISITE       | PREREQ   | ORQQCN2 |         |
| ORQQCN2 SAVE CONTEXT           | SAVECTXT | ORQQCN2 |         |
| ORQQCN2 SCHEDULE CONSULT       | SCH      | ORQQCN2 |         |



| <b>RPC</b>                    | <b>TAG</b> | <b>ROUTINE</b> | <b>PATCH #</b> |
|-------------------------------|------------|----------------|----------------|
| ORQQLR DETAIL                 | DETAIL     | ORQQLR         |                |
| ORQQLR SEARCH RANGE INPT      | SRIN       | ORQQLR         |                |
| ORQQLR SEARCH RANGE OUTPT     | SROUT      | ORQQLR         |                |
| ORQQPL ADD SAVE               | ADDSAVE    | ORQQPL1        |                |
| ORQQPL AUDIT HIST             | HIST       | ORQQPL2        |                |
| ORQQPL CHECK DUP              | DUP        | ORQQPL1        |                |
| ORQQPL CLIN FILTER LIST       | GETCLIN    | ORQQPL3        |                |
| ORQQPL CLIN SRCH              | CLINSRCH   | ORQQPL1        |                |
| ORQQPL DELETE                 | DELETE     | ORQQPL2        |                |
| ORQQPL DETAIL                 | DETAIL     | ORQQPL         |                |
| ORQQPL EDIT LOAD              | EDLOAD     | ORQQPL1        |                |
| ORQQPL EDIT SAVE              | EDSAVE     | ORQQPL1        |                |
| ORQQPL INACTIVATE             | INACT      | ORQQPL2        |                |
| ORQQPL INIT PT                | INITPT     | ORQQPL1        |                |
| ORQQPL INIT USER              | INITUSER   | ORQQPL1        |                |
| ORQQPL LIST                   | LIST       | ORQQPL         |                |
| ORQQPL PROB COMMENTS          | GETCOMM    | ORQQPL2        |                |
| ORQQPL PROBLEM LEX SEARCH     | LEXSRCH    | ORQQPL1        |                |
| ORQQPL PROBLEM LIST           | PROBL      | ORQQPL3        |                |
| ORQQPL PROV FILTER LIST       | GETRPRV    | ORQQPL3        |                |
| ORQQPL PROVIDER LIST          | PROVSRCH   | ORQQPL1        |                |
| ORQQPL REPLACE                | REPLACE    | ORQQPL2        |                |
| ORQQPL SAVEVIEW               | SAVEVIEW   | ORQQPL2        |                |
| ORQQPL SERV FILTER LIST       | GETSRVC    | ORQQPL3        |                |
| ORQQPL SRVC SRCH              | SRVCSRCH   | ORQQPL1        |                |
| ORQQPL UPDATE                 | UPDATE     | ORQQPL1        |                |
| ORQQPL USER PROB CATS         | CAT        | ORQQPL3        |                |
| ORQQPL USER PROB LIST         | PROB       | ORQQPL3        |                |
| ORQQPL VERIFY                 | VERIFY     | ORQQPL2        |                |
| ORQQPP LIST                   | LIST       | ORQQPP         |                |
| ORQQPS DETAIL                 | DETAIL     | ORQQPS         |                |
| ORQQPS LIST                   | LIST       | ORQQPS         |                |
| ORQQPX GET DEF LOCATIONS      | GETDEFOL   | ORQQPX         |                |
| ORQQPX GET FOLDERS            | GETFLDRS   | ORQQPX         |                |
| ORQQPX GET HIST LOCATIONS     | HISTLOC    | ORQQPX         |                |
| ORQQPX IMMUNE LIST            | IMMLIST    | ORQQPX         |                |
| ORQQPX LVREMLIST              | LVREMLST   | ORQQPX         |                |
| ORQQPX NEW COVER SHEET ACTIVE | NEWCVOK    | ORQQPX         |                |

| RPC                            | TAG      | ROUTINE  | PATCH # |
|--------------------------------|----------|----------|---------|
| ORQQPX NEW COVER SHEET REMS    | REMLIST  | ORQQPX   |         |
| ORQQPX NEW REMINDERS ACTIVE    | NEWACTIV | ORQQPX   |         |
| ORQQPX REM INSERT AT CURSOR    | INSCURS  | ORQQPX   |         |
| ORQQPX REMINDER DETAIL         | REMDET   | ORQQPX   |         |
| ORQQPX REMINDERS LIST          | REMIND   | ORQQPX   |         |
| ORQQPX SAVELVL                 | SAVELVL  | ORQQPX   |         |
| ORQQPX SET FOLDERS             | SETFLDRS | ORQQPX   |         |
| ORQQPXRM DIALOG ACTIVE         | ACTIVE   | ORQQPXRM |         |
| ORQQPXRM DIALOG PROMPTS        | PROMPT   | ORQQPXRM |         |
| ORQQPXRM EDUCATION SUBTOPICS   | EDS      | ORQQPXRM |         |
| ORQQPXRM EDUCATION SUMMARY     | EDL      | ORQQPXRM |         |
| ORQQPXRM EDUCATION TOPIC       | EDU      | ORQQPXRM |         |
| ORQQPXRM MENTAL HEALTH         | MH       | ORQQPXRM |         |
| ORQQPXRM MENTAL HEALTH RESULTS | MHR      | ORQQPXRM |         |
| ORQQPXRM MENTAL HEALTH SAVE    | MHS      | ORQQPXRM |         |
| ORQQPXRM PROGRESS NOTE HEADER  | HDR      | ORQQPXRM |         |
| ORQQPXRM REMINDER CATEGORIES   | CATEGORY | ORQQPXRM |         |
| ORQQPXRM REMINDER DETAIL       | REMDET   | ORQQPXRM |         |
| ORQQPXRM REMINDER DIALOG       | DIALOG   | ORQQPXRM |         |
| ORQQPXRM REMINDER EVALUATION   | ALIST    | ORQQPXRM |         |
| ORQQPXRM REMINDER INQUIRY      | RES      | ORQQPXRM |         |
| ORQQPXRM REMINDER WEB          | WEB      | ORQQPXRM |         |
| ORQQPXRM REMINDERS APPLICABLE  | APPL     | ORQQPXRM |         |
| ORQQPXRM REMINDERS UNEVALUATED | LIST     | ORQQPXRM |         |
| ORQQVI NOTEVIT                 | NOTEVIT  | ORQQVI   |         |
| ORQQVI VITALS                  | FASTVIT  | ORQQVI   |         |
| ORQQVI VITALS FOR DATE RANGE   | VITALS   | ORQQVI   |         |
| ORQQVI1 DETAIL                 | DETAIL   | ORQQVI1  |         |
| ORQQVI1 GRID                   | GRID     | ORQQVI1  |         |
| ORQQVI2 VITALS HELP            | HELP     | ORQQVI2  |         |
| ORQQVI2 VITALS RATE CHECK      | RATECHK  | ORQQVI2  |         |
| ORQQVI2 VITALS VAL & STORE     | VALSTORE | ORQQVI2  |         |
| ORQQVI2 VITALS VALIDATE        | VALIDATE | ORQQVI2  |         |
| ORQQVI2 VITALS VALIDATE TYPE   | VMTYPES  | ORQQVI2  |         |
| ORQQVS DETAIL NOTES            | DETNOTE  | ORQQVS   |         |
| ORQQVS DETAIL SUMMARY          | DETSUM   | ORQQVS   |         |
| ORQQVS VISITS/APPTS            | VSITAPPT | ORQQVS   |         |

| RPC                           | TAG      | ROUTINE        | PATCH # |
|-------------------------------|----------|----------------|---------|
| ORQQXMB MAIL GROUPS           | MAILG    | ORQQXQA        |         |
| ORQQXQA ALLPAT                | ORQQXQA  | ORQQXQA ALLPAT |         |
| ORQQXQA PATIENT               | PATIENT  | ORQQXQA        |         |
| ORQQXQA USER                  | USER     | ORQQXQA        |         |
| ORWCH LOADALL                 | LOADALL  | ORWCH          |         |
| ORWCH LOADSIZ                 | LOADSIZ  | ORWCH          |         |
| ORWCH SAVEALL                 | SAVEALL  | ORWCH          |         |
| ORWCH SAVESIZ                 | SAVESIZ  | ORWCH          |         |
| ORWCH SAVFONT                 | SAVFONT  | ORWCH          |         |
| ORWCIRN FACLIST               | FACLIST  | ORWCIRN        |         |
| ORWCS LIST OF CONSULT REPORTS | LIST     | ORWCS          |         |
| ORWCS PRINT REPORT            | PRINT    | ORWCSP         |         |
| ORWCS REPORT TEXT             | RPT      | ORWCS          |         |
| ORWCV DTLVST                  | DTLVST   | ORWCV          |         |
| ORWCV LAB                     | LAB      | ORWCV          |         |
| ORWCV POLL                    | POLL     | ORWCV          |         |
| ORWCV START                   | START    | ORWCV          |         |
| ORWCV STOP                    | STOP     | ORWCV          |         |
| ORWCV VST                     | VST      | ORWCV          |         |
| ORWCV1 COVERSHEET LIST        | COVERLST | ORWCV1         |         |
| ORWD DEF                      | DEF      | ORWD           |         |
| ORWD DT                       | DT       | ORWD           |         |
| ORWD FORMID                   | FORMID   | ORWD           |         |
| ORWD GET4EDIT                 | GET4EDIT | ORWD           |         |
| ORWD KEY                      | KEY      | ORWD           |         |
| ORWD OI                       | OI       | ORWD           |         |
| ORWD PROVKEY                  | PROVKEY  | ORWD           |         |
| ORWD SAVE                     | SAVE     | ORWD           |         |
| ORWD SAVEACT                  | SAVEACT  | ORWD           |         |
| ORWD SIGN                     | SIGN     | ORWD           |         |
| ORWD VALIDACT                 | VALIDACT | ORWD           |         |
| ORWD1 COMLOC                  | COMLOC   | ORWD1          |         |
| ORWD1 PARAM                   | PARAM    | ORWD1          |         |
| ORWD1 PRINTGUI                | PRINTGUI | ORWD1          |         |
| ORWD1 RVPRINT                 | RVPRINT  | ORWD1          |         |
| ORWD1 SIG4ANY                 | SIG4ANY  | ORWD1          |         |
| ORWD1 SIG4ONE                 | SIG4ONE  | ORWD1          |         |
| ORWD1 SVONLY                  | SVONLY   | ORWD1          |         |

| RPC                        | TAG      | ROUTINE   | PATCH # |
|----------------------------|----------|-----------|---------|
| ORWD2 DEVINFO              | DEVINFO  | ORWD2     |         |
| ORWD2 MANUAL               | MANUAL   | ORWD2     |         |
| ORWDAL32 ALLERGY MATCH     | ALLSRCH  | ORWDAL32  |         |
| ORWDAL32 DEF               | DEF      | ORWDAL32  |         |
| ORWDAL32 SYMPTOMS          | SYMPTOMS | ORWDAL32  |         |
| ORWDCN32 DEF               | DEF      | ORWDCN32  |         |
| ORWDCN32 NEWDLG            | NEWDLG   | ORWDCN32  |         |
| ORWDCN32 ORDRMSG           | ORDRMSG  | ORWDCN32  |         |
| ORWDCN32 PROCEDURES        | PROC     | ORWDCN32  |         |
| ORWDCLSLT DEF              | DEF      | ORWDCLSLT |         |
| ORWDCLSLT LOOK200          | LOOK200  | ORWDCLSLT |         |
| ORWDFH ADDLATE             | ADDLATE  | ORWDFH    |         |
| ORWDFH ATTR                | ATTR     | ORWDFH    |         |
| ORWDFH CURISO              | CURISO   | ORWDFH    |         |
| ORWDFH DIETS               | DIETS    | ORWDFH    |         |
| ORWDFH FINDTYP             | FINDTYP  | ORWDFH    |         |
| ORWDFH ISOIEN              | ISOIEN   | ORWDFH    |         |
| ORWDFH ISOLIST             | ISOLIST  | ORWDFH    |         |
| ORWDFH PARAM               | PARAM    | ORWDFH    |         |
| ORWDFH QTY2CC              | QTY2CC   | ORWDFH    |         |
| ORWDFH TFPROD              | TFPROD   | ORWDFH    |         |
| ORWDFH TXT                 | TXT      | ORWDFH    |         |
| ORWDGX LOAD                | LOAD     | ORWDGX    |         |
| ORWDGX VMDEF               | VMDEF    | ORWDGX    |         |
| ORWDLR ABBSPEC             | ABBSPEC  | ORWDLR    |         |
| ORWDLR ALLSAMP             | ALLSAMP  | ORWDLR    |         |
| ORWDLR DEF                 | DEF      | ORWDLR    |         |
| ORWDLR LOAD                | LOAD     | ORWDLR    |         |
| ORWDLR OIPARAM             | LOAD     | ORWDLR    |         |
| ORWDLR STOP                | STOP     | ORWDLR    |         |
| ORWDLR32 ABBSPEC           | ABBSPEC  | ORWDLR32  |         |
| ORWDLR32 ALLSAMP           | ALLSAMP  | ORWDLR32  |         |
| ORWDLR32 ALLSPEC           | ALLSPEC  | ORWDLR33  |         |
| ORWDLR32 DEF               | DEF      | ORWDLR32  |         |
| ORWDLR32 GET LAB TIMES     | GETLABTM | ORWDLR33  |         |
| ORWDLR32 IC DEFAULT        | ICDEFLT  | ORWDLR33  |         |
| ORWDLR32 IC VALID          | ICVALID  | ORWDLR33  |         |
| ORWDLR32 IMMEDIATE COLLECT | IMMCOLL  | ORWDLR33  |         |

| RPC                          | TAG       | ROUTINE  | PATCH # |
|------------------------------|-----------|----------|---------|
| ORWDLR32 LAB COLL TIME       | LABCOLTM  | ORWDLR33 |         |
| ORWDLR32 LOAD                | LOAD      | ORWDLR32 |         |
| ORWDLR32 MAXDAYS             | MAXDAYS   | ORWDLR33 |         |
| ORWDLR32 ONE SAMPLE          | ONESAMP   | ORWDLR32 |         |
| ORWDLR32 ONE SPECIMEN        | ONESPEC   | ORWDLR32 |         |
| ORWDLR32 STOP                | STOP      | ORWDLR33 |         |
| ORWDLR33 FUTURE LAB COLLECTS | LCFUTR    | ORWDLR33 |         |
| ORWDLR33 LASTTIME            | LASTTIME  | ORWDLR33 |         |
| ORWDOR LKSCRN                | LKSCRN    | ORWDOR   |         |
| ORWDOR VALNUM                | VALNUM    | ORWDOR   |         |
| ORWDOR VMSLCT                | VMSLCT    | ORWDOR   |         |
| ORWDPS DEF                   | DEF       | ORWDPS   |         |
| ORWDPS INPT                  | INPT      | ORWDPS   |         |
| ORWDPS LOAD                  | LOAD      | ORWDPS   |         |
| ORWDPS OUTPT                 | OUTPT     | ORWDPS   |         |
| ORWDPS1 CHK94                | CHK94     | ORWDPS1  |         |
| ORWDPS1 DFLTSPPLY            | DFLTSPPLY | ORWDPS1  |         |
| ORWDPS1 DOSEALT              | DOSEALT   | ORWDPS1  |         |
| ORWDPS1 FORMALT              | FORMALT   | ORWDPS1  |         |
| ORWDPS1 ODSLCT               | ODSLCT    | ORWDPS1  |         |
| ORWDPS1 SCHALL               | SCHALL    | ORWDPS1  |         |
| ORWDPS2 ADMIN                | ADMIN     | ORWDPS2  |         |
| ORWDPS2 DAY2QTY              | DAY2QTY   | ORWDPS2  |         |
| ORWDPS2 MAXREF               | MAXREF    | ORWDPS2  |         |
| ORWDPS2 OISLCT               | OISLCT    | ORWDPS2  |         |
| ORWDPS2 QTY2DAY              | QTY2DAY   | ORWDPS2  |         |
| ORWDPS2 REQST                | REQST     | ORWDPS2  |         |
| ORWDPS2 SCHREQ               | SCHREQ    | ORWDPS2  |         |
| ORWDPS32 ALLROUTE            | ALLROUTE  | ORWDPS32 |         |
| ORWDPS32 AUTH                | AUTH      | ORWDPS32 |         |
| ORWDPS32 DLGSLCT             | DLGSLCT   | ORWDPS32 |         |
| ORWDPS32 DOSES               | DOSES     | ORWDPS32 |         |
| ORWDPS32 DRUGMSG             | DRUGMSG   | ORWDPS32 |         |
| ORWDPS32 FORMALT             | FORMALT   | ORWDPS32 |         |
| ORWDPS32 ISSPLY              | ISSPLY    | ORWDPS32 |         |
| ORWDPS32 IVAMT               | IVAMT     | ORWDPS32 |         |
| ORWDPS32 MEDISIV             | MEDISIV   | ORWDPS32 |         |
| ORWDPS32 OISLCT              | OISLCT    | ORWDPS32 |         |

| <b>RPC</b>         | <b>TAG</b> | <b>ROUTINE</b> | <b>PATCH #</b> |
|--------------------|------------|----------------|----------------|
| ORWDPS32 SCSTS     | SCSTS      | ORWDPS32       |                |
| ORWDPS32 VALQTY    | VALQTY     | ORWDPS32       |                |
| ORWDPS32 VALRATE   | VALRATE    | ORWDPS32       |                |
| ORWDPS32 VALROUTE  | VALROUTE   | ORWDPS32       |                |
| ORWDPS32 VALSCH    | VALSCH     | ORWDPS32       |                |
| ORWDRA DEF         | DEF        | ORWDRA         |                |
| ORWDRA32 APPROVAL  | APPROVAL   | ORWDRA32       |                |
| ORWDRA32 DEF       | DEF        | ORWDRA32       |                |
| ORWDRA32 IMTYPSEL  | IMTYPSEL   | ORWDRA32       |                |
| ORWDRA32 ISOLATN   | ISOLATN    | ORWDRA32       |                |
| ORWDRA32 LOCTYPE   | LOCTYPE    | ORWDRA32       |                |
| ORWDRA32 PROCMSG   | PROCMSG    | ORWDRA32       |                |
| ORWDRA32 RADSRC    | RADSRC     | ORWDRA32       |                |
| ORWDRA32 RAORDITM  | RAORDITM   | ORWDRA32       |                |
| ORWDX AGAIN        | AGAIN      | ORWDX          |                |
| ORWDX DGNM         | DGNM       | ORWDX          |                |
| ORWDX DGRP         | DGRP       | ORWDX          |                |
| ORWDX DISMSG       | DISMSG     | ORWDX          |                |
| ORWDX DLGDEF       | DLGDEF     | ORWDX          |                |
| ORWDX DLGID        | DLGID      | ORWDX          |                |
| ORWDX DLGQUIK      | DLGQUIK    | ORWDX          |                |
| ORWDX FORMID       | FORMID     | ORWDX          |                |
| ORWDX LOADRSP      | LOADRSP    | ORWDX          |                |
| ORWDX LOCK         | LOCK       | ORWDX          |                |
| ORWDX LOCK ORDER   | LOCKORD    | ORWDX          |                |
| ORWDX MSG          | MSG        | ORWDX          |                |
| ORWDX ORDITM       | ORDITM     | ORWDX          |                |
| ORWDX SAVE         | SAVE       | ORWDX          |                |
| ORWDX SEND         | SEND       | ORWDX          |                |
| ORWDX SENDP        | SENDP      | ORWDX          |                |
| ORWDX UNLOCK       | UNLOCK     | ORWDX          |                |
| ORWDX UNLOCK ORDER | UNLKORD    | ORWDX          |                |
| ORWDX WRLST        | WRLST      | ORWDX          |                |
| ORWDXA ALERT       | ALERT      | ORWDXA         |                |
| ORWDXA COMPLETE    | COMPLETE   | ORWDXA         |                |
| ORWDXA DC          | DC         | ORWDXA         |                |
| ORWDXA DCREASON    | DCREASON   | ORWDXA         |                |
| ORWDXA DCREQIEN    | DCREQIEN   | ORWDXA         |                |

| RPC                      | TAG     | ROUTINE | PATCH # |
|--------------------------|---------|---------|---------|
| ORWDXA FLAG              | FLAG    | ORWDXA  |         |
| ORWDXA FLAGTXT           | FLAGTXT | ORWDXA  |         |
| ORWDXA HOLD              | HOLD    | ORWDXA  |         |
| ORWDXA UNFLAG            | UNFLAG  | ORWDXA  |         |
| ORWDXA UNHOLD            | UNHOLD  | ORWDXA  |         |
| ORWDXA VALID             | VALID   | ORWDXA  |         |
| ORWDXA VERIFY            | VERIFY  | ORWDXA  |         |
| ORWDXA WCGET             | WCGET   | ORWDXA  |         |
| ORWDXA WCPUT             | WCPUT   | ORWDXA  |         |
| ORWDXC ACCEPT            | ACCEPT  | ORWDXC  |         |
| ORWDXC DELAY             | DELAY   | ORWDXC  |         |
| ORWDXC DELORD            | DELORD  | ORWDXC  |         |
| ORWDXC DISPLAY           | DISPLAY | ORWDXC  |         |
| ORWDXC FILLID            | FILLID  | ORWDXC  |         |
| ORWDXC ON                | ON      | ORWDXC  |         |
| ORWDXC SAVECHK           | SAVECHK | ORWDXC  |         |
| ORWDXC SESSION           | SESSION | ORWDXC  |         |
| ORWDXM AUTOACK           | AUTOACK | ORWDXM  |         |
| ORWDXM DLGNAME           | DLGNAME | ORWDXM  |         |
| ORWDXM FORMID            | FORMID  | ORWDXM  |         |
| ORWDXM LOADSET           | LOADSET | ORWDXM  |         |
| ORWDXM MENU              | MENU    | ORWDXM  |         |
| ORWDXM MSTYLE            | MSTYLE  | ORWDXM  |         |
| ORWDXM PROMPTS           | PROMPTS | ORWDXM  |         |
| ORWDXM1 BLDQRSP          | BLDQRSP | ORWDXM1 |         |
| ORWDXM2 CLRRCL           | CLRRCL  | ORWDXM2 |         |
| ORWDXQ DLGNAME           | DLGNAME | ORWDXQ  |         |
| ORWDXQ DLGSAVE           | DLGSAVE | ORWDXQ  |         |
| ORWDXQ GETQLST           | GETQLST | ORWDXQ  |         |
| ORWDXQ GETQNAM           | GETQNAM | ORWDXQ  |         |
| ORWDXQ PUTQLST           | PUTQLST | ORWDXQ  |         |
| ORWDXQ PUTQNAM           | PUTQNAM | ORWDXQ  |         |
| ORWDXR ISREL             | ISREL   | ORWDXR  |         |
| ORWDXR RENEW             | RENEW   | ORWDXR  |         |
| ORWDXR RNWFLDS           | RNWFLDS | ORWDXR  |         |
| ORWGEPT CLINRNG          | CLINRNG | ORWGEPT |         |
| ORWLR CUMULATIVE REPORT  | CUM     | ORWLR   |         |
| ORWLR CUMULATIVE SECTION | RPT     | ORWLR   |         |

| RPC                            | TAG      | ROUTINE | PATCH # |
|--------------------------------|----------|---------|---------|
| ORWLRR REPORT LISTS            | LIST     | ORWLRR  |         |
| ORWLRR ALLTESTS                | ALLTESTS | ORWLRR  |         |
| ORWLRR ATESTS                  | ATESTS   | ORWLRR  |         |
| ORWLRR ATG                     | ATG      | ORWLRR  |         |
| ORWLRR ATOMICS                 | ATOMICS  | ORWLRR  |         |
| ORWLRR CHART                   | CHART    | ORWLRR  |         |
| ORWLRR CHEMTEST                | CHEMTEST | ORWLRR  |         |
| ORWLRR GRID                    | GRID     | ORWLRR  |         |
| ORWLRR INFO                    | INFO     | ORWLRR  |         |
| ORWLRR INTERIM                 | INTERIM  | ORWLRR  |         |
| ORWLRR INTERIMG                | INTERIMG | ORWLRR  |         |
| ORWLRR INTERIMS                | INTERIMS | ORWLRR  |         |
| ORWLRR MICRO                   | MICRO    | ORWLRR  |         |
| ORWLRR NEWOLD                  | NEWOLD   | ORWLRR  |         |
| ORWLRR PARAM                   | PARAM    | ORWLRR  |         |
| ORWLRR SPEC                    | SPEC     | ORWLRR  |         |
| ORWLRR TG                      | TG       | ORWLRR  |         |
| ORWLRR USERS                   | USERS    | ORWLRR  |         |
| ORWLRR UTGA                    | UTGA     | ORWLRR  |         |
| ORWLRR UTGD                    | UTGD     | ORWLRR  |         |
| ORWLRR UTGR                    | UTGR     | ORWLRR  |         |
| ORWMC PATIENT PROCEDURES       | PROD     | ORWMC   |         |
| ORWOR RESULT                   | RESULT   | ORWOR   |         |
| ORWOR SHEETS                   | SHEETS   | ORWOR   |         |
| ORWOR TSALL                    | TSALL    | ORWOR   |         |
| ORWOR UNSIGN                   | UNSIGN   | ORWOR   |         |
| ORWOR VWGET                    | VWGET    | ORWOR   |         |
| ORWOR VWSET                    | VWSET    | ORWOR   |         |
| ORWORB AUTOUNFLAG ORDERS       | UNFLORD  | ORWORB  |         |
| ORWORB FASTUSER                | FASTUSER | ORWORB  |         |
| ORWORB GET TIU ALERT INFO      | GETALRT  | TIUSRV  |         |
| ORWORB GETDATA                 | GETDATA  | ORWORB  |         |
| ORWORB KILL EXPIR MED ALERT    | KILEXMED | ORWORB  |         |
| ORWORB KILL EXPIR OI ALERT     | KILEXOI  | ORWORB  |         |
| ORWORB KILL UNSIG ORDERS ALERT | KILUNSNO | ORWORB  |         |
| ORWORB UNSIG ORDERS FOLLOWUP   | ESORD    | ORWORB  |         |
| ORWORB URGENLST                | URGENLST | ORWORB  |         |
| ORWORDG ALLTREE                | ALLTREE  | ORWORDG |         |



| RPC                           | TAG       | ROUTINE | PATCH # |
|-------------------------------|-----------|---------|---------|
| ORWORDG GRPSEQB               | GRPSEQB   | ORWORDG |         |
| ORWORDG IEN                   | IEN       | ORWORDG |         |
| ORWORDG MAPSEQ                | MAPSEQ    | ORWORDG |         |
| ORWORDG REVSTS                | REVSTS    | ORWORDG |         |
| ORWORR AGET                   | AGET      | ORWORR  |         |
| ORWORR GET                    | GET       | ORWORR  |         |
| ORWORR GET4LST                | GET4V11   | ORWORR  |         |
| ORWORR GETBYIFN               | GETBYIFN  | ORWORR  |         |
| ORWORR GETTXT                 | GETTXT    | ORWORR  |         |
| ORWPCE ACTIVE PROV            | ACTIVPRV  | ORWPCE2 |         |
| ORWPCE ACTPROB                | ACTPROB   | ORWPCE  |         |
| ORWPCE ALWAYS CHECKOUT        | DOCHKOUT  | ORWPCE2 |         |
| ORWPCE ANYTIME                | ANYTIME   | ORWPCE2 |         |
| ORWPCE ASKPCE                 | ASKPCE    | ORWPCE2 |         |
| ORWPCE AUTO VISIT TYPE SELECT | AUTOVISIT | ORWPCE2 |         |
| ORWPCE CPTMODS                | CPTMODS   | ORWPCE  |         |
| ORWPCE CPTREQD                | CPTREQD   | ORWPCE  |         |
| ORWPCE DELETE                 | DELETE    | ORWPCE  |         |
| ORWPCE DIAG                   | DIAG      | ORWPCE  |         |
| ORWPCE FORCE                  | FORCE     | ORWPCE2 |         |
| ORWPCE GAFOK                  | GAFOK     | ORWPCE2 |         |
| ORWPCE GAFURL                 | GAFURL    | ORWPCE2 |         |
| ORWPCE GET EDUCATION TOPICS   | EDTTYPE   | ORWPCE2 |         |
| ORWPCE GET EXAM TYPE          | EXAMTYPE  | ORWPCE2 |         |
| ORWPCE GET EXCLUDED           | EXCLUDED  | ORWPCE2 |         |
| ORWPCE GET HEALTH FACTORS TY  | HFTYPE    | ORWPCE2 |         |
| ORWPCE GET IMMUNIZATION TYPE  | IMMTYPE   | ORWPCE2 |         |
| ORWPCE GET SET OF CODES       | GETSET    | ORWPCE2 |         |
| ORWPCE GET SKIN TEST TYPE     | SKTYPE    | ORWPCE2 |         |
| ORWPCE GET TREATMENT TYPE     | TRTTYPE   | ORWPCE2 |         |
| ORWPCE GET VISIT              | GETVISIT  | ORWPCE2 |         |
| ORWPCE GETMOD                 | GETMOD    | ORWPCE  |         |
| ORWPCE GETSVC                 | GETSVC    | ORWPCE  |         |
| ORWPCE HASCPT                 | HASCPT    | ORWPCE2 |         |
| ORWPCE HASVISIT               | HASVISIT  | ORWPCE  |         |
| ORWPCE HF                     | HF        | ORWPCE  |         |
| ORWPCE IMM                    | IMM       | ORWPCE  |         |
| ORWPCE LEX                    | LEX       | ORWPCE  |         |

| RPC                       | TAG      | ROUTINE | PATCH # |
|---------------------------|----------|---------|---------|
| ORWPCE LEXCODE            | LEXCODE  | ORWPCE  |         |
| ORWPCE LOADGAF            | LOADGAF  | ORWPCE2 |         |
| ORWPCE MH TEST AUTHORIZED | MHATHRZD | ORWPCE2 |         |
| ORWPCE MHCLINIC           | MHCLINIC | ORWPCE2 |         |
| ORWPCE MHTESTOK           | MHTESTOK | ORWPCE2 |         |
| ORWPCE NOTEVSTR           | NOTEVSTR | ORWPCE  |         |
| ORWPCE PCE4NOTE           | PCE4NOTE | ORWPCE3 |         |
| ORWPCE PED                | PED      | ORWPCE  |         |
| ORWPCE PROC               | PROC     | ORWPCE  |         |
| ORWPCE SAVE               | SAVE     | ORWPCE  |         |
| ORWPCE SAVEGAF            | SAVEGAF  | ORWPCE2 |         |
| ORWPCE SCDIS              | SCDIS    | ORWPCE  |         |
| ORWPCE SCSEL              | SCSEL    | ORWPCE  |         |
| ORWPCE SK                 | SK       | ORWPCE  |         |
| ORWPCE TRT                | TRT      | ORWPCE  |         |
| ORWPCE VISIT              | VISIT    | ORWPCE  |         |
| ORWPCE XAM                | XAM      | ORWPCE  |         |
| ORWPS ACTIVE              | ACTIVE   | ORWPS   |         |
| ORWPS COVER               | COVER    | ORWPS   |         |
| ORWPS DETAIL              | DETAIL   | ORWPS   |         |
| ORWPS1 NEWDLG             | NEWDLG   | ORWPS1  |         |
| ORWPS1 PICKUP             | PICKUP   | ORWPS1  |         |
| ORWPS1 REFILL             | REFILL   | ORWPS1  |         |
| ORWPT ADMITLST            | ADMITLST | ORWPT   |         |
| ORWPT APPTLST             | APPTLST  | ORWPT   |         |
| ORWPT BYWARD              | BYWARD   | ORWPT   |         |
| ORWPT CLINRNG             | CLINRNG  | ORWPT   |         |
| ORWPT CWAD                | CWAD     | ORWPT   |         |
| ORWPT DFLTSRC             | DFLTSRC  | ORWPT   |         |
| ORWPT DIEDON              | DIEDON   | ORWPT   |         |
| ORWPT DISCHARGE           | DISCHRG  | ORWPT   |         |
| ORWPT ENCTITL             | ENCTITL  | ORWPT   |         |
| ORWPT FULLSSN             | FULLSSN  | ORWPT   |         |
| ORWPT ID INFO             | IDINFO   | ORWPT   |         |
| ORWPT INPLOC              | INPLOC   | ORWPT   |         |
| ORWPT LAST5               | LAST5    | ORWPT   |         |
| ORWPT LEGACY              | LEGACY   | ORWPT   |         |
| ORWPT LIST ALL            | LISTALL  | ORWPT   |         |

| RPC                            | TAG      | ROUTINE | PATCH # |
|--------------------------------|----------|---------|---------|
| ORWPT PTINQ                    | PTINQ    | ORWPT   |         |
| ORWPT SAVDFLT                  | SAVDFLT  | ORWPT   |         |
| ORWPT SELCHK                   | SELCHK   | ORWPT   |         |
| ORWPT SELECT                   | SELECT   | ORWPT   |         |
| ORWPT SHARE                    | SHARE    | ORWPT   |         |
| ORWPT TOP                      | TOP      | ORWPT   |         |
| ORWPT1 PCDETAIL                | PCDETAIL | ORWPT1  |         |
| ORWPT1 PRCARE                  | PRCARE   | ORWPT1  |         |
| ORWPT16 ADMITLST               | ADMITLST | ORWPT16 |         |
| ORWPT16 APPTLST                | APPTLST  | ORWPT16 |         |
| ORWPT16 DEMOG                  | DEMOG    | ORWPT16 |         |
| ORWPT16 GETVSIT                | GETVSIT  | ORWPT16 |         |
| ORWPT16 ID INFO                | IDINFO   | ORWPT16 |         |
| ORWPT16 LIST ALL               | LISTALL  | ORWPT16 |         |
| ORWPT16 LOOKUP                 | LOOKUP   | ORWPT16 |         |
| ORWPT16 PSCNVT                 | PSCNVT   | ORWPT16 |         |
| ORWRA DEFAULT EXAM SETTINGS    | GETDEF   | ORWRA   |         |
| ORWRA IMAGING EXAMS            | EXAMS    | ORWRA   |         |
| ORWRA PRINT REPORT             | PRINT    | ORWRAP  |         |
| ORWRA REPORT TEXT              | RPT      | ORWRA   |         |
| ORWRP COLUMN HEADERS           | GETCOL   | ORWRP   |         |
| ORWRP GET DEFAULT PRINTER      | GETDFPRT | ORWRP   |         |
| ORWRP LAB REPORT LISTS         | LABLIST  | ORWRP   |         |
| ORWRP PRINT LAB REMOTE         | REMOTE   | ORWRPL  |         |
| ORWRP PRINT LAB REPORTS        | PRINT    | ORWRPL  |         |
| ORWRP PRINT REMOTE REPORT      | REMOTE   | ORWRPP  |         |
| ORWRP PRINT REPORT             | PRINT    | ORWRPP  |         |
| ORWRP PRINT WINDOWS LAB REMOTE | PRINTWR  | ORWRPL  |         |
| ORWRP PRINT WINDOWS REMOTE     | PRINTWR  | ORWRPP  |         |
| ORWRP PRINT WINDOWS REPORT     | PRINTW   | ORWRPP  |         |
| ORWRP REPORT LISTS             | LIST     | ORWRP   |         |
| ORWRP REPORT TEXT              | RPT      | ORWRP   |         |
| ORWRP SAVE DEFAULT PRINTER     | SAVDFPRT | ORWRP   |         |
| ORWRP WINPRINT DEFAULT         | WINDFLT  | ORWRP   |         |
| ORWRP WINPRINT LAB REPORTS     | PRINTW   | ORWRPL  |         |
| ORWRP1 LISTNUTR                | LISTNUTR | ORWRP1  |         |
| ORWRP16 REPORT LISTS           | LIST     | ORWRP16 |         |
| ORWRP16 REPORT TEXT            | RPT      | ORWRP16 |         |

| RPC                        | TAG      | ROUTINE | PATCH # |
|----------------------------|----------|---------|---------|
| ORWRP2 HS COMP FILES       | FILES    | ORWRP2  |         |
| ORWRP2 HS COMPONENT SUBS   | COMP SUB | ORWRP2  |         |
| ORWRP2 HS COMPONENTS       | COMP     | ORWRP2  |         |
| ORWRP2 HS FILE LOOKUP      | FILESEL  | ORWRP2  |         |
| ORWRP2 HS REPORT TEXT      | REPORT   | ORWRP2  |         |
| ORWRP2 HS SUBITEMS         | SUBITEM  | ORWRP2  |         |
| ORWTIU GET DCSUMM CONTEXT  | GTDCCTX  | ORWTIU  |         |
| ORWTIU GET LIST BOX ITEM   | GTLSTITM | ORWTIU  |         |
| ORWTIU GET TIU CONTEXT     | GTTIUCTX | ORWTIU  |         |
| ORWTIU IDNOTES INSTALLED   | IDNOTES  | ORWTIU  |         |
| ORWTIU SAVE DCSUMM CONTEXT | SVDCCTX  | ORWTIU  |         |
| ORWTIU SAVE TIU CONTEXT    | SVTIUCTX | ORWTIU  |         |
| ORWTIU WINPRINT NOTE       | PRINTW   | ORWTIU  |         |
| ORWTPL GETNSORT            | GETNSORT | ORWTPN  |         |
| ORWTPN GETCLASS            | GETCLASS | ORWTPN  |         |
| ORWTPN GETTC               | GETTC    | ORWTPN  |         |
| ORWTPO CSARNGD             | CSARNGD  | ORWTPO  |         |
| ORWTPO CSLABD              | CSLABD   | ORWTPO  |         |
| ORWTPO GETIMGD             | GETIMGD  | ORWTPO  |         |
| ORWTPO GETTABS             | GETTABS  | ORWTPO  |         |
| ORWTPP ADDLIST             | ADDLIST  | ORWTPP  |         |
| ORWTPP CHKSURR             | CHKSURR  | ORWTPP  |         |
| ORWTPP CLDAYS              | CLDAYS   | ORWTPP  |         |
| ORWTPP CLEARNOT            | CLEARNOT | ORWTPP  |         |
| ORWTPP CLRANGE             | CLRANGE  | ORWTPP  |         |
| ORWTPP CSARNG              | CSARNG   | ORWTPP  |         |
| ORWTPP CSLAB               | CSLAB    | ORWTPP  |         |
| ORWTPP DELLIST             | DELLIST  | ORWTPP  |         |
| ORWTPP GETCOMBO            | GETCOMBO | ORWTPP  |         |
| ORWTPP GETCOS              | GETCOS   | ORWTPP  |         |
| ORWTPP GETDCOS             | GETDCOS  | ORWTPP  |         |
| ORWTPP GETIMG              | GETIMG   | ORWTPP  |         |
| ORWTPP GETNOT              | GETNOT   | ORWTPP  |         |
| ORWTPP GETNOTO             | GETNOTO  | ORWTPP  |         |
| ORWTPP GETOC               | GETOC    | ORWTPP  |         |
| ORWTPP GETOTHER            | GETOTHER | ORWTPP  |         |
| ORWTPP GETREM              | GETREM   | ORWTPP  |         |
| ORWTPP GETSUB              | GETSUB   | ORWTPP  |         |

| <b>RPC</b>             | <b>TAG</b> | <b>ROUTINE</b> | <b>PATCH #</b> |
|------------------------|------------|----------------|----------------|
| ORWTPP GETSARR         | GETSARR    | ORWTPP         |                |
| ORWTPP GETTD           | GETTD      | ORWTPP         |                |
| ORWTPP GETTU           | GETTU      | ORWTPP         |                |
| ORWTPP LSDEF           | LSDEF      | ORWTPP         |                |
| ORWTPP NEWLIST         | NEWLIST    | ORWTPP         |                |
| ORWTPP PLISTS          | PLISTS     | ORWTPP         |                |
| ORWTPP PLTEAMS         | PLTEAMS    | ORWTPP         |                |
| ORWTPP REMLIST         | REMLIST    | ORWTPP         |                |
| ORWTPP SAVECD          | SAVECD     | ORWTPP         |                |
| ORWTPP SAVECS          | SAVECS     | ORWTPP         |                |
| ORWTPP SAVELIST        | SAVELIST   | ORWTPP         |                |
| ORWTPP SAVENOT         | SAVENOT    | ORWTPP         |                |
| ORWTPP SAVENOTO        | SAVENOTO   | ORWTPP         |                |
| ORWTPP SAVEOC          | SAVEOC     | ORWTPP         |                |
| ORWTPP SAVEPLD         | SAVEPLD    | ORWTPP         |                |
| ORWTPP SAVESARR        | SAVESARR   | ORWTPP         |                |
| ORWTPP SAVET           | SAVET      | ORWTPP         |                |
| ORWTPP SETCOMBO        | SETCOMBO   | ORWTPP         |                |
| ORWTPP SETDCOS         | SETDCOS    | ORWTPP         |                |
| ORWTPP SETIMG          | SETIMG     | ORWTPP         |                |
| ORWTPP SETOTHER        | SETOTHER   | ORWTPP         |                |
| ORWTPP SETREM          | SETREM     | ORWTPP         |                |
| ORWTPP SETSUB          | SETSUB     | ORWTPP         |                |
| ORWTPP SORTDEF         | SORTDEF    | ORWTPP         |                |
| ORWTPP TEAMS           | TEAMS      | ORWTPP         |                |
| ORWTPT ATEAMS          | ATEAMS     | ORWTPT         |                |
| ORWTPT GETTEAM         | GETTEAM    | ORWTPT         |                |
| ORWU CLINLOC           | CLINLOC    | ORWU           |                |
| ORWU DEVICE            | DEVICE     | ORWU           |                |
| ORWU DT                | DT         | ORWU           |                |
| ORWU EXTNAME           | EXTNAME    | ORWU           |                |
| ORWU GBLREF            | GBLREF     | ORWU           |                |
| ORWU GENERIC           | GENERIC    | ORWU           |                |
| ORWU HAS OPTION ACCESS | HASOPTN    | ORWU           |                |
| ORWU HASKEY            | HASKEY     | ORWU           |                |
| ORWU HOSPLOC           | HOSPLOC    | ORWU           |                |
| ORWU INPLOC            | INPLOC     | ORWU           |                |
| ORWU NEWPERS           | NEWPERS    | ORWU           |                |

| RPC                           | TAG                | ROUTINE | PATCH # |
|-------------------------------|--------------------|---------|---------|
| ORWU NPHASKEY                 | NPHASKEY           | ORWU    |         |
| ORWU PARAM                    | PARAM              | ORWU    |         |
| ORWU PATCH                    | PATCH              | ORWU    |         |
| ORWU TOOLMENU                 | TOOLMENU           | ORWU    |         |
| ORWU USERINFO                 | USERINFO           | ORWU    |         |
| ORWU VALDT                    | VALDT              | ORWU    |         |
| ORWU VALDSIG                  | VALDSIG            | ORWU    |         |
| ORWU VERSRV                   | VERSRV             | ORWU    |         |
| ORWU16 DEVICE                 | DEVICE             | ORWU16  |         |
| ORWU16 HOSPLOC                | HOSPLOC            | ORWU16  |         |
| ORWU16 NEWPERS                | NEWPERS            | ORWU16  |         |
| ORWU16 USERINFO               | USERINFO           | ORWU16  |         |
| ORWU16 VALDT                  | VALDT              | ORWU16  |         |
| ORWU16 VALDSIG                | VALDSIG            | ORWU16  |         |
| ORWUH POPUP                   | POPUP              | ORWUH   |         |
| ORWUL FV4DG                   | FV4DG              | ORWUL   |         |
| ORWUL FVIDX                   | FVIDX              | ORWUL   |         |
| ORWUL FVSUB                   | FVSUB              | ORWUL   |         |
| ORWUL QV4DG                   | QV4DG              | ORWUL   |         |
| ORWUL QVIDX                   | QVIDX              | ORWUL   |         |
| ORWUL QVSUB                   | QVSUB              | ORWUL   |         |
| ORWUX SYMTAB                  | SYMTAB             | ORWUX   |         |
| ORWUXT LST                    | LST                | ORWUXT  |         |
| ORWUXT REF                    | REF                | ORWUXT  |         |
| ORWUXT VAL                    | VAL                | ORWUXT  |         |
| ORQQCN ATTACH MED RESULTS     | MEDCOMP            | ORQQCN3 |         |
| ORQQCN GET MED RESULT DETAILS | DISPMED            | ORQQCN3 |         |
| ORQQCN REMOVABLE MED RESULTS  | GETRES             | ORQQCN3 |         |
| ORQQCN REMOVE MED RESULTS     | REMOVE             | ORQQCN3 |         |
| ORWORB KILL EXPIR OI ALERT    | KILEXOI            | ORWORB  |         |
| ORWRP LAB REPORT LISTS        | LABLIST            | ORWRP   |         |
| ORWPCE GETSVC                 | GETSVC             | ORWPCE  |         |
| ORQQCN SVC W/SYNONYMS         | SVCSYN             | ORQQCN2 |         |
| ORWCV1 COVERSHEET LIST        | COVERLST           | ORWCV1  |         |
| ORWTPL GETNSORT               | GETNSORT           | ORWTPN  |         |
| ORWTPN GETCLASS               | ORWTPN<br>GETCLASS | ORWTPN  |         |
| ORWTPN GETTC                  | GETTC              | ORWTPN  |         |
| ORWTPO CSARNGD                | CSARNGD            | ORWTPO  |         |

| <b>RPC</b>      | <b>TAG</b> | <b>ROUTINE</b> | <b>PATCH #</b> |
|-----------------|------------|----------------|----------------|
| ORWTPO CSLABD   | CSLABD     | ORWTPO         |                |
| ORWTPO GETTABS  | GETTABS    | ORWTPO         |                |
| ORWTPP ADDLIST  | ADDLIST    | ORWTPP         |                |
| ORWTPP CHKSURR  | CHKSURR    | ORWTPP         |                |
| ORWTPP CLDAYS   | CLDAYS     | ORWTPP         |                |
| ORWTPP CLEARNOT | CLEARNOT   | ORWTPP         |                |
| ORWTPP CLRANGE  | CLRANGE    | ORWTPP         |                |
| ORWTPP CSARNG   | CSARNG     | ORWTPP         |                |
| ORWTPP CSLAB    | CSLAB      | ORWTPP         |                |
| ORWTPP DELLIST  | DELLIST    | ORWTPP         |                |
| ORWTPP GETCOMBO | GETCOMBO   | ORWTPP         |                |
| ORWTPP GETCOS   | GETCOS     | ORWTPP         |                |
| ORWTPP GETDCOS  | GETDCOS    | ORWTPP         |                |
| ORWTPP GETNOT   | GETNOT     | ORWTPP         |                |
| ORWTPP GETNOTO  | GETNOTO    | ORWTPP         |                |
| ORWTPP GETOC    | GETOC      | ORWTPP         |                |
| ORWTPP GETOTHER | GETOTHER   | ORWTPP         |                |
| ORWTPP GETREM   | GETREM     | ORWTPP         |                |
| ORWTPP GETSUB   | GETSUB     | ORWTPP         |                |
| ORWTPP GETSURR  | GETSURR    | ORWTPP         |                |
| ORWTPP GETTD    | GETTD      | ORWTPP         |                |
| ORWTPP GETTU    | GETTU      | ORWTPP         |                |
| ORWTPP LSDEF    | LSDEF      | ORWTPP         |                |
| ORWTPP NEWLIST  | NEWLIST    | ORWTPP         |                |
| ORWTPP PLISTS   | PLISTS     | ORWTPP         |                |
| ORWTPP PLTEAMS  | PLTEAMS    | ORWTPP         |                |
| ORWTPP REMLIST  | REMLIST    | ORWTPP         |                |
| ORWTPP SAVECD   | SAVECD     | ORWTPP         |                |
| ORWTPP SAVECS   | SAVECS     | ORWTPP         |                |
| ORWTPP SAVELIST | SAVELIST   | ORWTPP         |                |
| ORWTPP SAVENOTO | SAVENOTO   | ORWTPP         |                |
| ORWTPP SAVEOC   | SAVEOC     | ORWTPP         |                |
| ORWTPP SAVEPLD  | SAVEPLD    | ORWTPP         |                |
| ORWTPP GETIMG   | GETIMG     | ORWTPP         |                |
| ORWTPP SETIMG   | SETIMG     | ORWTPP         |                |
| ORWTPP SETCOMBO | SETCOMBO   | ORWTPP         |                |
| ORWTPP SETDCOS  | SETDCOS    | ORWTPP         |                |
| ORWTPP SETOTHER | SETOTHER   | ORWTPP         |                |

| RPC                           | TAG       | ROUTINE | PATCH # |
|-------------------------------|-----------|---------|---------|
| ORWTPP SETREM                 | SETREM    | ORWTPP  |         |
| ORWTPP SETSUB                 | SETSUB    | ORWTPP  |         |
| ORWTPP SORTDEF                | SORTDEF   | ORWTPP  |         |
| ORWTPP TEAMS                  | TEAMS     | ORWTPP  |         |
| ORWTPT ATEAMS                 | ATEAMS    | ORWTPT  |         |
| ORWTPT GETTEAM                | GETTEAM   | ORWTPT  |         |
| ORWTIU IDNOTES INSTALLED      | IDNOTES   | ORWTIU  |         |
| ORQQAL DETAIL                 | DETAIL    | ORQQAL  |         |
| ORQQCN ASSIGNABLE MED RESULTS | GETMED    | ORQQCN3 |         |
| ORQQPL DETAIL                 | DETAIL    | ORQQPL  |         |
| ORQQPX GET FOLDERS            | GETFLDRS  | ORQQPX  |         |
| ORQQPX SET FOLDERS            | SETFLDRS  | ORQQPX  |         |
| ORQQPX GET DEF LOCATIONS      | GETDEFOL  | ORQQPX  |         |
| ORWDPS1 CHK94                 | CHK94     | ORWDPS1 |         |
| ORWDPS1 ODSLCT                | ODSLCT    | ORWDPS1 |         |
| ORWDPS1 SCHALL                | SCHALL    | ORWDPS1 |         |
| ORWDPS2 ADMIN                 | ADMIN     | ORWDPS2 |         |
| ORWDPS2 DAY2QTY               | DAY2QTY   | ORWDPS2 |         |
| ORWDPS2 OISLCT                | OISLCT    | ORWDPS2 |         |
| ORWDPS2 REQST                 | REQST     | ORWDPS2 |         |
| ORWDX DGNM                    | DGNM      | ORWDX   |         |
| ORWUL FV4DG                   | FV4DG     | ORWUL   |         |
| ORWUL FVIDX                   | FVIDX     | ORWUL   |         |
| ORWUL FVSUB                   | FVSUB     | ORWUL   |         |
| ORWUL QV4DG                   | QV4DG     | ORWUL   |         |
| ORWUL QVIDX                   | QVIDX     | ORWUL   |         |
| ORWUL QVSUB                   | QVSUB     | ORWUL   |         |
| ORWDPS1 DFLTSPLY              | DFLTSPLY  | ORWDPS1 |         |
| ORWPCE ANYTIME                | ANYTIME   | ORWPCE2 |         |
| ORQQPX REM INSERT AT CURSOR   | INSCURS   | ORQQPX  |         |
| ORWTPO GETIMGD                | GETIMGD   | ORWTPO  |         |
| ORWDPS2 MAXREF                | MAXREF    | ORWDPS2 |         |
| ORWDPS2 SCHREQ                | SCHREQ    | ORWDPS2 |         |
| ORWPCE AUTO VISIT TYPE SELECT | AUTOVISIT | ORWPCE2 |         |
| ORQQCN LIST                   | LIST      | ORQQCN  |         |
| ORWDPS2 QTY2DAY               | QTY2DAY   | ORWDPS2 |         |
| ORWRP COLUMN HEADERS          | GETCOL    | ORWRP   |         |
| ORQQPX SAVELVL                | SAVELVL   | ORQQPX  |         |



| RPC                             | TAG      | ROUTINE  | PATCH #  |
|---------------------------------|----------|----------|----------|
| ORQQPX LVREMLST                 | LVREMLST | ORQQPX   |          |
| ORQQPX NEW COVER SHEET ACTIVE   | NEWCVOK  | ORQQPX   |          |
| ORQQPX NEW COVER SHEET REMS     | REMLIST  | ORQQPX   |          |
| ORQQPX NEW REMINDERS ACTIVE     | NEWACTIV | ORQQPX   |          |
| ORQQPX REMINDER DETAIL          | REMDDET  | ORQQPX   |          |
| ORQQPX REMINDERS LIST           | REMIND   | ORQQPX   |          |
| ORWU HAS OPTION ACCESS          | HASOPTN  | ORWU     |          |
| ORWTPP SAVET                    | SAVET    | ORWTPP   |          |
| ORWTPP SAVESURR                 | SAVESURR | ORWTPP   |          |
| ORWPCE ALWAYS CHECKOUT          | DOCHKOUT | ORWPCE2  |          |
| ORWPCE GET EXCLUDED             | EXCLUDED | ORWPCE2  |          |
| ORQQCN SET ACT MENUS            | SETACTM  | ORQQCN1  |          |
| ORWDPS1 FORMALT                 | FORMALT  | ORWDPS1  |          |
| ORWDPS1 DOSEALT                 | DOSEALT  | ORWDPS1  |          |
| ORQPT DEFAULT LIST SORT         | DEFSORT  | ORQPTQ11 |          |
| ORWTPR NOTDESC                  | NOTDESC  | ORWTPR   |          |
| ORWTPR OCDESC                   | OCDESC   | ORWTPR   |          |
| ORWDPS1 FAILDEA                 | FAILDEA  | ORWTPR   |          |
| ORQPT DEFAULT CLINIC DATE RANGE | CDATRANG | ORQPTQ2  |          |
| ORWRP3 EXPAND COLUMNS           | LIST     | ORWRP3   | OR*3*109 |
| ORWCH SAVECOL                   | SAVECOL  | ORWCH    | OR*3*109 |
| ORWRP2 COMPABV                  | COMPABV  | ORWRP2   | OR*3*109 |
| ORWRP2 SAVLKUP                  | SAVLKUP  | ORWRP2   | OR*3*109 |
| ORWRP2 GETLKUP                  | GETLKUP  | ORWRP2   | OR*3*109 |
| ORWRP2 COMPDISP                 | COMPDISP | ORWRP2   | OR*3*109 |
| ORWPCE ISCLINIC                 | ISCLINIC | ORWPCE2  | OR*3*109 |
| ORWCOM PTOBJ                    | PTOBJ    | ORWCOM   | OR*3*109 |
| ORWCOM ORDEROBJ                 | ORDEROBJ | ORWCOM   | OR*3*109 |
| ORWCOM GETOBSJS                 | GETOBSJS | ORWCOM   | OR*3*109 |
| ORWCOM DETAILS                  | DETAILS  | ORWCOM   | OR*3*109 |
| ORQQCN GET PROC IEN             | PROCIEN  | ORQQCN1  | OR*3*109 |
| ORWSR CASELIST                  | CASELIST | ORWSR    | OR*3*109 |
| ORWSR GET SURG CONTEXT          | GTSURCTX | ORWSR    | OR*3*109 |
| ORWSR IS NON-OR PROC            | ISNONOR  | ORWSR    | OR*3*109 |
| ORWSR LIST                      | LIST     | ORWSR    | OR*3*109 |
| ORWSR ONECASE                   | ONECASE  | ORWSR    | OR*3*109 |
| ORWSR OPTOP NON-OR              | OPTOPNOR | ORWSR    | OR*3*109 |
| ORWSR SAVE SURG CONTEXT         | SVSURCTX | ORWSR    | OR*3*109 |

| RPC                            | TAG      | ROUTINE  | PATCH #  |
|--------------------------------|----------|----------|----------|
| ORWSR SHOW OPTOP WHEN SIGNING  | SHOWOPTP | ORWSR    | OR*3*109 |
| ORWSR SHOW SURG TAB            | SHOWSURG | ORWSR    | OR*3*109 |
| ORWSR OPTOP                    | OPTOP    | ORWSR    | OR*3*109 |
| ORQQPXRM MST UPDATE            | MST      | ORQQPXRM | OR*3*116 |
| ORWDPS4 CPLST                  | CPLST    | ORWDPS4  | OR*3*116 |
| ORWDPS4 CPINFO                 | CPINFO   | ORWDPS4  | OR*3*116 |
| ORWORB KILL UNVER MEDS ALERT   | KILUNVMD | ORWORB   | OR*3*116 |
| ORWORB KILL UNVER ORDERS ALERT | KILUNVOR | ORWORB   | OR*3*116 |
| ORWPS MEDHIST                  | MEDHIST  | ORWPS    | OR*3*116 |

## Appendix B - Routine List

These are the routines exported with Patch 10. The routines tend to be grouped using similar internal namespace conventions.

| ROUTINE  | DESCRIPTION                                                 | PATCH # |
|----------|-------------------------------------------------------------|---------|
| ORB3MGR1 | Manager Options – Notifications Parameters                  |         |
| ORB3MGR2 | Utilities for Manager Options – Notifications Parameters    |         |
| ORB3REC  | Notification Management Options for Recipients/Users        |         |
| ORCXPND3 | Expanded display of Reports                                 |         |
| ORCXPNDR | Expanded display of Reports                                 |         |
| ORKMGR   | Manager Options – Order Checking Parameters                 |         |
| ORKREC   | Recipient Options – Order Checking Parameters Management    |         |
| ORQPTQ2  | Functions which return patient lists and list sources pt 2  |         |
| ORQQAL   | Functions which return patient allergy data                 |         |
| ORQQCN   | Functions which return patient consult requests and results |         |
| ORQQCN1  | Functions for GUI consult actions - RPCs for GMRCGUIA       |         |
| ORQQCN2  | Functions for GUI consult actions                           |         |
| ORQQCN3  | RPCs for Consults/Medicine Resulting                        |         |
| ORQQPL   | Functions which return patient problem list data            |         |
| ORQQPL1  | Problem List for CPRS GUI                                   |         |
| ORQQPL2  | RPCs for CPRS GUI Implementation                            |         |
| ORQQPL3  | Problem List RPC's                                          |         |
| ORQQPX   | Functions which return PCE data                             |         |
| ORQQPXR  | Functions for reminder data                                 |         |
| ORQQVI   | Functions which return patient vital and I/O data           |         |
| ORQQVI1  | Vitals RPC grid                                             |         |
| ORQQVI2  | RPC calls to GMRVPCE0, Vitals data event drivers            |         |
| ORQQVS   | Functions which return patient visits                       |         |
| ORWCH    | GUI calls specific to CPRS Chart                            |         |
| ORWCIRN  | Functions for GUI CIRN ACTIONS                              |         |
| ORWCSP   | Background Consult Report Print Driver                      |         |
| ORWCV    | Background Cover Sheet Load                                 |         |
| ORWCV1   | Cover Sheet calls continued                                 |         |
| ORWD1    | GUI Prints                                                  |         |
| ORWD2    | GUI Prints                                                  |         |
| ORWDAL32 | Allergy calls to support windows                            |         |
| ORWDCN32 | Consults calls                                              |         |
| ORWDFH   | Diet Order calls for Windows Dialogs                        |         |
| ORWDLR32 | Lab Calls                                                   |         |
| ORWDLR33 | Lab Calls                                                   |         |

| <b>ROUTINE</b> | <b>DESCRIPTION</b>                       | <b>PATCH #</b> |
|----------------|------------------------------------------|----------------|
| ORWDOR         | Generic Orders calls for Windows Dialogs |                |
| ORWDPS1        | Pharmacy Calls for Windows Dialog        |                |
| ORWDPS2        | Pharmacy Calls for Windows Dialog        |                |
| ORWDPS3        | Order Dialogs, Menus                     |                |
| ORWDPS32       | Pharmacy Calls for GUI Dialog            |                |
| ORWDRA32       | Radiology calls to support windows       |                |
| ORWDX          | Utilities for Order Dialogs              |                |
| ORWDX1         | Utilities for Order Dialogs              |                |
| ORWDXA         | Utilities for Order Actions              |                |
| ORWDXC         | Utilities for Order Checking             |                |
| ORWDXM         | Order Dialogs, Menus                     |                |
| ORWDXM1        | Order Dialogs, Menus                     |                |
| ORWDXM2        | Quick Orders                             |                |
| ORWDXM3        | Quick Orders                             |                |
| ORWDM4         | Order Dialogs, Menus                     |                |
| ORWDXQ         | Utilities for Quick Orders               |                |
| ORWDXR         | Utilities for Order Actions              |                |
| ORWLR          | Lab Calls                                |                |
| ORWLRR         | RPC routing for lab results              |                |
| ORWMC          | Medicine Calls                           |                |
| ORWOR          | Orders Calls                             |                |
| ORWORB         | RPC functions which return user alert    |                |
| ORWORDG        | Organize display groups                  |                |
| ORWORR         | Retrieve Orders for Broker               |                |
| ORWPCE         | Wrap calls to PCE and AICS               |                |
| ORWPCE1        | PCE Calls from CPRS GUI                  |                |
| ORWPCE2        | Wrap calls to PCE                        |                |
| ORWPCE3        | Get a PCE encounter for a TUI document   |                |
| ORWPS          | Meds Tab                                 |                |
| ORWPS1         | Meds Tab                                 |                |
| ORWPT          | Patient Lookup Functions                 |                |
| ORWPT1         | Patient Lookup Functions (cont)          |                |
| ORWRA          | Imaging Calls                            |                |
| ORWRP          | Report Calls                             |                |
| ORWRP1         | Report Calls                             |                |
| ORWRP2         | Health Summary ad hoc RPC's              |                |
| ORWRPL         | Background GUI Lab Print Driver          |                |
| ORWRPP         | Background Report Print Driver           |                |
| ORWSETUP       | Setup utilities for GUI                  |                |

| <b>ROUTINE</b> | <b>DESCRIPTION</b>                               | <b>PATCH #</b> |
|----------------|--------------------------------------------------|----------------|
| ORWTIU         | Functions for GUI PARAMETER ACTIONS              |                |
| ORWTPL         | Personal Preference – Lists                      |                |
| ORWTPN         | Personal Preference - Notes                      |                |
| ORWTPO         | Personal Preference – Order Checks               |                |
| ORWTPP         | Personal Preference - Personal                   |                |
| ORWTPR         | Personal Preference - Reminders                  |                |
| ORWTPT         | Personal Preference - Teams                      |                |
| ORWTPUA        | Personal Preference – Utility Alerts             |                |
| ORWTPUP        | Personal Preference – Utility Parameters         |                |
| ORWU           | General Utilities for Windows Calls              |                |
| ORWUL          | List view Selection                              |                |
| ORWUPX         | Export Package Level Parameters                  |                |
| ORWUPX01       |                                                  |                |
| ORWUPY         | Export Package Level Parameters                  |                |
| ORWUPY01       |                                                  |                |
| ORWUXT         | General Utilities for Windows Calls              |                |
| ORY10          | Patch 10 conversions                             |                |
| ORQQAL         | Functions which return patient allergy           | OR*3*85        |
| ORQQCN         | Functions for GUI consult actions                | OR*3*85        |
| ORQQCN3        | RPCs for Consults/Medicine Resulting             | OR*3*85        |
| ORQQPL         | Functions which return patient problem list data | OR*3*85        |
| ORQQPL1        | PROBLEM LIST FOR CPRS GUI                        | OR*3*85        |
| ORWCV          | Background Cover Sheet Load                      | OR*3*85        |
| ORWCV1         | CoverSheet calls continued                       | OR*3*85        |
| ORWDAL32       | Allergy calls to support windows                 | OR*3*85        |
| ORWDLR33       | Lab Calls                                        | OR*3*85        |
| ORWORB         | RPC functions which return user alert            | OR*3*85        |
| ORWPCE         | Wrap calls to PCE and AICS                       | OR*3*85        |
| ORWPCE1        | PCE Calls from CPRS GUI                          | OR*3*85        |
| ORWPCE3        | Get a PCE encounter for a TIU document           | OR*3*85        |
| ORWRA          | Imaging Calls                                    | OR*3*85        |
| ORWRP          | Report Calls                                     | OR*3*85        |
| ORWRP1         | Report Calls                                     | OR*3*85        |
| ORWRPL         | Background GUI Lab Print Driver                  | OR*3*85        |
| ORWRPP         | Background Report Print Driver                   | OR*3*85        |
| ORWTIU         | Functions for GUI PARAMETER ACTIONS              | OR*3*85        |
| ORB3MGR1       | Manager Options - Notifications Parameters       | OR*3*85        |

| <b>ROUTINE</b> | <b>DESCRIPTION</b>                                          | <b>PATCH #</b> |
|----------------|-------------------------------------------------------------|----------------|
| ORB3MGR2       | Utilities for Manager Options - Notifications Parameters    | OR*3*85        |
| ORB3REC        | Notification Management Options for Recipients/Users        | OR*3*85        |
| ORCXPND3       | Expanded display of Reports                                 | OR*3*85        |
| ORCXPNDR       | Expanded display of Reports                                 | OR*3*85        |
| ORKMGR         | Manager Options - Order Checking Parameters                 | OR*3*85        |
| ORKREC         | Recipient Options - Order Checking Parameters Management    | OR*3*85        |
| ORQPT          | Patient Selection                                           | OR*3*85        |
| ORQPT1         | Change Patient Selection List                               | OR*3*85        |
| ORQPTQ1        | Functs which return OR patient lists and sources pt 1       | OR*3*85        |
| ORQPTQ11       | Functs which return patient lists and sources pt 1          | OR*3*85        |
| ORQPTQ2        | Functions which return patient lists and list sources pt2   | OR*3*85        |
| ORQPTQ5        | Functions for Patient Selection Lists.                      | OR*3*85        |
| ORQQCN         | Functions which return patient consult requests and results | OR*3*85        |
| ORQQCN1        | Functions for GUI consult actions - RPCs for GMRCGUIA       | OR*3*85        |
| ORQQPX         | PCE and Reminder routines                                   | OR*3*85        |
| ORQQPXR        | Functions for reminder data                                 | OR*3*85        |
| ORWD1          | GUI Prints                                                  | OR*3*85        |
| ORWDCN32       | Consults calls                                              | OR*3*85        |
| ORWDLR32       | Lab Calls                                                   | OR*3*85        |
| ORWDPS1        | Pharmacy Calls for Windows Dialog                           | OR*3*85        |
| ORWDPS2        | Pharmacy Calls for Windows Dialog                           | OR*3*85        |
| ORWDPS3        | Order Dialogs, Menus                                        | OR*3*85        |
| ORWDPS32       | Pharmacy Calls for GUI Dialog                               | OR*3*85        |
| ORWDX          | Utilities for Order Dialogs                                 | OR*3*85        |
| ORWDX1         | Utilities for Order Dialogs                                 | OR*3*85        |
| ORWDXA         | Utilities for Order Actions                                 | OR*3*85        |
| ORWDXM1        | Order Dialogs, Menus                                        | OR*3*85        |
| ORWDXM2        | Quick Orders                                                | OR*3*85        |
| ORWDXM3        | Quick Orders                                                | OR*3*85        |
| ORWDXM4        | Order Dialogs, Menus                                        | OR*3*85        |
| ORWDXQ         | Utilities for Quick Orders                                  | OR*3*85        |
| ORWDXR         | Utilities for Order Actions                                 | OR*3*85        |
| ORWLR          | Lab Calls                                                   | OR*3*85        |
| ORWOR          | Orders Calls                                                | OR*3*85        |
| ORWPCE2        | wrap calls to PCE                                           | OR*3*85        |
| ORWPS          | Meds Tab                                                    | OR*3*85        |
| ORWTPL         | Personal Preference - Lists                                 | OR*3*85        |
| ORWTPN         | Personal Preference - Notes                                 | OR*3*85        |
| ORWTPO         | Personal Preference - Order Checks                          | OR*3*85        |

| <b>ROUTINE</b> | <b>DESCRIPTION</b>                                  | <b>PATCH #</b>    |
|----------------|-----------------------------------------------------|-------------------|
| ORWTPP         | Personal Preference - Personal                      | OR*3*85           |
| ORWTPR         | Personal Preference - Reminders                     | OR*3*85           |
| ORWTPT         | Personal Preference - Teams                         | OR*3*85           |
| ORWTPUA        | Personal Preference - Utility Alerts                | OR*3*85           |
| ORWTPUP        | Personal Preference - Utility Parameters            | OR*3*85           |
| ORWU           | General Utilities for Windows Calls                 | OR*3*85           |
| ORWUL          | List view Selection                                 | OR*3*85           |
| ORDV01         | OE/RR Report Extracts                               | OR*3*109 (GUI 16) |
| ORDV02         | OE/RR Report Extracts                               | OR*3*109 (GUI 16) |
| ORDV03         | OE/RR Report Extracts                               | OR*3*109 (GUI 16) |
| ORDV04         | OE/RR                                               | OR*3*109 (GUI 16) |
| ORDV04A        | OE/RR                                               | OR*3*109 (GUI 16) |
| ORDV05         | OE/RR Report Extracts                               | OR*3*109 (GUI 16) |
| ORDV05E        | Microbiology Extract Routine                        | OR*3*109 (GUI 16) |
| ORDV05T        | Interim report rpc memo micro                       | OR*3*109 (GUI 16) |
| ORDV05X        | Microbiology Extended Extracts                      | OR*3*109 (GUI 16) |
| ORDV06         | OE/RR Report Extracts                               | OR*3*109 (GUI 16) |
| ORDV07         | OE/RR Report extracts                               | OR*3*109 (GUI 16) |
| ORDVU          | OE/RR Report Extracts                               | OR*3*109 (GUI 16) |
| ORQPTQ11       | Functs which return patient lists and sources pt 1B | OR*3*109 (GUI 16) |
| ORQQCN1        | Functions for GUI consult actions                   | OR*3*109 (GUI 16) |
| ORWCH          | GUI calls specific to CPRS Chart                    | OR*3*109 (GUI 16) |
| ORWCOM         | Wraps RPCs for COM Objects Hooks                    | OR*3*109 (GUI 16) |
| ORWDAL32       | Allergy calls to support windows                    | OR*3*109 (GUI 16) |
| ORWDXM2        | Quick Orders                                        | OR*3*109 (GUI 16) |
| ORWMC          | Medicine Calls                                      | OR*3*109 (GUI 16) |
| ORWPCE2        | wrap calls to PCE                                   | OR*3*109 (GUI 16) |
| ORWPT1         | Patient Lookup Functions                            | OR*3*109 (GUI 16) |
| ORWRA          | Imaging Calls                                       | OR*3*109 (GUI 16) |
| ORWRP          | Report Calls                                        | OR*3*109 (GUI 16) |
| ORWRP1         | Report Calls                                        | OR*3*109 (GUI 16) |
| ORWRP16        | Report Calls                                        | OR*3*109 (GUI 16) |
| ORWRP1A        | Report Calls Cont.                                  | OR*3*109 (GUI 16) |
| ORWRP2         | Health Summary adhoc RPC's                          | OR*3*109 (GUI 16) |
| ORWRP3         | OE/RR Report Extract RPC's                          | OR*3*109 (GUI 16) |
| ORWRPL         | Background GUI Lab Print Driver                     | OR*3*109 (GUI 16) |
| ORWRPP         | Background Report Print Driver                      | OR*3*109 (GUI 16) |
| ORWRPP1        | Background Report Prints (cont.)                    | OR*3*109 (GUI 16) |
| ORWSR          | Surgery RPCs                                        | OR*3*109 (GUI 16) |

| <b>ROUTINE</b> | <b>DESCRIPTION</b>                    | <b>PATCH #</b>    |
|----------------|---------------------------------------|-------------------|
| ORWTIU         | Functions for GUI PARAMETER           | OR*3*109 (GUI 16) |
| ORWTPD         | Personal Reference Tool               | OR*3*109 (GUI 16) |
| ORY109         | Patch 109 Post/Pre                    | OR*3*109 (GUI 16) |
| ORWDPS4        | Order Dialogs CO-PAY                  | OR*3*116 (GUI 17) |
| ORWORB         | RPC functions which return user alert | OR*3*116 (GUI 17) |
| ORWPS          | Meds Tab                              | OR*3*116 (GUI 17) |
| ORWDRA32       | Radiology calls to support windows    | OR*3*116 (GUI 17) |



## Appendix C - New Fields

### OR\*3.0\*10

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#### **Auto-Accept**

File: Order Dialog (101.41)

Field: Auto-Accept Quick Order (#58)

This field can be set to YES for a quick order. Clicking on the order in the GUI places the order without displaying the ordering dialog.

### OR\*3.0\*85

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#### **Description**

File: Order Checks (100.8)

Field: Description (#2)

This field describes the order check.

### OR\*3.0\*94

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#### **Non-Formulary**

File: Orderable Items (101.43)

Field: Description (#50.6)

This field tracks if an Orderable Item is non-formulary. An Orderable Item will only be marked as non-formulary if there are no active Dispense Drugs matched to the Orderable Item that are on the local formulary.

## Appendix D - Parameters by Function

Parameters provide many ways of setting defaults for an application. Parameters are defined in the Parameter Definition file (8989.51). The Parameters file (8989.5) contains the specific defaults. They are exported and installed in an application using the KIDS build. A parameter definition has associated with it one or more entities. An entity may be a user, location, system, package, or other category. Associated with a particular entity is a value. The different entities have precedence as to what default may apply in a particular circumstance. For example, a date range default for a report in the package CPRS is set at T-30 days. The user, CPRSPROVIDER, TEN, has a default for this report of 6 months, T-180 days. If the parameter is defined with a precedence of [User, Package], the user will be prompted with the T-180 default. Because of the precedence, the User default takes exception over the Package default. The parameter files allow for tremendous flexibility in arranging defaults. Parameters are a Kernel utility; more technical information is covered in the Kernel Toolkit documentation.

If a user does not have DUZ(0)= “@” then they will not see package level settings for parameters. Generally, it is recommended that the package level settings are not changed.

### Menus for modifying Parameters

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CPRS users can access editing parameters from the following options.

|                                 |                           |
|---------------------------------|---------------------------|
| Personal Preference             | ORPO MENU                 |
| CPRS Configuration (Clin Coord) | OR PARAM COORDINATOR MENU |
| CPRS Configuration (IRM)        | OR PARAM IRM MENU         |
| General Parameter Tools         | XPAR MENU TOOLS           |

CPRS parameters are in the OR\* namespace. They are listed in this documentation by functional categories and alphabetically. The alphabetical listing is a captioned printout of the OR namespaced entries in the Parameters file (8989.5)

### Ordering – Interactive Behaviors

---

#### Authorization/Access

##### **Disable Ordering in GUI**

This parameter disables writing orders and taking actions on orders in the GUI.

*Parameter:*

ORWOR DISABLE ORDERING

*Precedence:*

User, System, Package

*Values:*

Yes/No

### **Enable/Disable Order Verify Codes**

This parameter controls whether nurses are allowed to verify orders in the GUI. The default value is 0, which allows nurses to verify orders only when ordering is enabled. To allow nurses to verify orders when ordering is disabled, set the value to 1. To never allow the verify actions, set the value to 2.

#### *Parameter:*

ORWOR ENABLE VERIFY

#### *Precedence:*

User, System, Package

#### *Values:*

- 0      Enable Verify Actions if Ordering Enabled
- 1      Enable Verify

### **Disable Hold/Unhold Actions in GUI**

This parameter will prevent orders from being placed on hold.

#### *Parameter:*

ORWOR DISABLE HOLD ORDERS

#### *Precedence:*

System, Package

#### *Values:*

Yes/No

### **Allow Clerks to act on Med Orders**

This parameter determines if clerks (i.e. users holding the OREMAS key) are allowed to act on medication orders. If set to YES, a clerk may enter new medication orders or DC these medication orders. Inpatient orders may be released to the Pharmacy as 'Signed on Chart'. Outpatient orders will require the physician's signature. If set to UNRELEASED ONLY, a clerk may only enter unreleased orders for both Inpatient and Outpatient. If set to NO, a clerk is completely prohibited from handling medication orders.

#### *Parameter:*

OR OREMAS MED ORDERS

#### *Precedence:*

System

#### *Values:*

- 0      No
- 1      Unreleased Only
- 2      Yes

### **Restrict Requestor**

This field allows a site to restrict the selection of providers when adding new orders at the 'Requesting CLINICIAN: ' prompt for holders of the ORELSE and OREMAS key. The restriction being that they cannot select themselves as the requestor even though they may also hold the PROVIDER key.

- 1 YES (ORELSE) restricts only holders of the ORELSE key.
- 2 YES (ORELSE & OREMAS) restricts holders of either key.

*Parameter:*

ORPF RESTRICT REQUESTOR

*Precedence:*

System

*Values:*

- 0 No
- 1 Yes (ORELSE)
- 2 Yes (ORELSE & OREMAS)

### **Default Provider**

This parameter allows the attending physician to be prompted as a default when adding new orders.

*Parameter:*

ORPF DEFAULT PROVIDER

*Precedence:*

System

*Values:*

Yes/No

### **Confirm Provider**

This field will allow an additional prompt to confirm the provider selection when adding new orders. Entering 2 in this field will exclude holders of the ORES key (providers) from this check. Notice that these parameters also control the default presented to the user: 'Are you sure? <no -or- yes>'

*Parameter:*

ORPF CONFIRM PROVIDER

*Precedence:*

System

*Values:*

- 0 No
- 1 Yes (default No)
- 2 Yes (exclude ORES)
- 3 Yes (default Yes)

### **Enable Billing Awareness by User**

This parameter enables the entry of Billing Awareness data in the sign order CPRS window if value is set to 1. Otherwise the Clinician will not be required to enter Billing Awareness data if value is set to 0.

#### *Parameter*

OR BILLING AWARENESS BY USER

#### *Precedence:*

User

#### *Values*

0        No

1        Yes

## **Order List Content**

### **Orders Category Sequence**

Multiple instances of this parameter combine to form a list of the display groups shown in the order review screen. Orders are displayed by the sequence identified in this list.

#### *Parameter:*

ORWOR CATEGORY SEQUENCE

#### *Precedence:*

Package, System, User

#### *Values:*

Multiple entries of Display Groups (file 100.98)

### **Active Orders Context Hours**

This parameter defines the number of hours that orders remain in the “Active/Current Orders” context after they have been completed.

#### *Parameter:*

ORPF ACTIVE ORDERS CONTEXT HRS

#### *Precedence:*

System

#### *Values:*

Numeric

### **Show Lab #**

This field controls the listing of lab orders for holders of the ORES key, after the electronic signature has been entered when entering new orders. Only after the order is released to Lab service is the number assigned; if physicians want to see the lab order # with the order after entering and signing the orders, this parameter must be set to YES. All other users get the listing regardless of what this parameter is set to.

#### *Parameter:*

ORPF SHOW LAB #

#### *Precedence:*

System

#### *Values:*

Yes/No

### **Last Date/Time User Review Pt Orders**

Date/time this user last review the patient's orders.

#### *Parameter:*

OR ORDER REVIEW DT

#### *Precedence:*

System

#### *Values:*

Date/Time

### **Order Summary Context**

A value of 0 will print all orders with ORDER dates within the selected date range. A value of 1 will print all orders with START dates within the selected date range. A value of 2 will print all orders with START dates and orders with any ACTIVITY within the selected date range.

#### *Parameter:*

OR ORDER SUMMARY CONTEXT

#### *Precedence:*

System

#### *Values:*

- 0      Order Date
- 1      Start Date
- 2      Start Date plus Activity

### **Print All Orders on Chart Summary**

A value of 1 in this parameter will print all orders on the 24 Hour chart summary report options. A value of 0 will only print orders that originally printed a chart copy. This is the default value for this parameter. Some sites have had problems with this value, because the Chart Copy Summary may be different from the Order Summary report, which prints all orders. Some orders don't print a chart copy automatically, because of the nature of order the order was given when entered, or because the location from which

the order was entered, may not have been setup for printing. A value of 2 will look at the Nature of Order file to determine if the order should print on the summary report.

*Parameter:*

OR PRINT ALL ORDERS CHART SUM

*Precedence:*

System

*Values:*

- 0 Previously Printed
- 1 All
- 2 Depends on Nature of Order

**Print 'NO ORDERS' on Summary**

A value of YES in this parameter will print a page showing 'No Orders' on an order summary if no orders exists for the patient within the specified parameters. A value of NO in this parameter will just skip the patient, printing nothing when no orders exist for the patient within the specified parameters.

*Parameter:*

OR PRINT NO ORDERS ON SUM

*Precedence:*

System

*Values:*

Yes/No

## **Order Action Behavior**

**Auto Unflag**

This parameter, when set to YES, will automatically cancel the Flag Orders Notification and unflag all orders for a patient when a user process a Flagged Orders Notification.

*Parameter:*

ORPF AUTO UNFLAG

*Precedence:*

System

*Values:*

Yes/No

**Object on Order Acceptance**

This parameter determines the COM Objects to activate on order acceptance

*Parameter:*

ORWCOM ORDER ACCEPTED

*Precedence:*

Division, System, Service, User

*Values:*

Object

## **Review / Sign Orders**

### **Unsigned Orders View on Exit**

This determines which unsigned orders view that holders of the ORES key will see when exiting a patient's chart; the Package default is to show My Unsigned Orders, i.e. all unsigned orders that the current user either placed or is the responsible provider for. This may also be set to list only those orders placed during the current session, or all unsigned orders for this patient regardless of provider.

#### *Parameter:*

OR UNSIGNED ORDERS ON EXIT

#### *Precedence:*

User, Service, Division, System, Package

#### *Values:*

- 0 New Orders Only
- 1 My Unsigned Orders
- 2 All Unsigned Orders

### **Signature Default Action**

This defines the default action presented to ORELSE key holders when signing and/or releasing orders; if no value is entered, then 'Release w/o Signature' will be used.

#### *Parameter:*

OR SIGNATURE DEFAULT ACTION

#### *Precedence:*

System, Package

#### *Values:*

- OC Signed on Chart
- RS Release w/o Signature

### **Signed on Chart Default**

This defines the default value to be presented when the user gets the prompt to mark orders as Signed on Chart; if no value is entered, then NO is used as the default.

#### *Parameter:*

OR SIGNED ON CHART

#### *Precedence:*

System, Package

#### *Values:*

Yes/No



### **New Orders Default**

This parameter determines the default action to be presented at the end of the Review New Orders screen; the action 'Next Screen' will be used until the last screen of orders, if there are more than one. If there is no action specified here, then 'Sign All Orders' will be used.

#### *Parameter:*

ORPF NEW ORDERS DEFAULT

#### *Precedence:*

System, Package

#### *Values:*

0 Sign All Orders

1 Sign & Release

## **Ordering—Blood Bank Order Dialog**

### **Days to check for Type & Screen**

This is used in the VBECS Order Dialog to check for recent orders for a Type & Screen order. The default is 3 days, but a site can override this number by setting this parameter to something different.

#### *Parameter:*

ORWDXVB VBECS TNS CHECK

#### *Precedence:*

Division, System

#### *Value:*

# of Days

### **List of Blood Components**

This parameter allows a sequence to be assigned to Blood Components selectable from VBECS.

#### *Parameter:*

OR VBECS COMPONENT ORDER

#### *Precedence:*

Package, System, Division, User

#### *Values:*

Multiple valued pointer to file 101.43

### **List of Component Modifiers**

This parameter allows local configuration of the blood component modifiers.

*Parameter:*

OR VBECS MODIFIERS

*Precedence:*

System, Package

*Values:*

Multiple valued, free text

### **List of Diagnostic Tests for VBECS**

This parameter allows a sequence to be assigned to Diagnostic Tests selectable from VBECS.

*Parameter:*

OR VBECS DIAGNOSTIC TEST ORDER

*Precedence:*

Package, System, Division, User

*Values:*

Numeric

### **List of Reasons for Request**

This parameter allows local configuration of the Reasons for Request.

*Parameter:*

OR VBECS REASON FOR REQUEST

*Precedence:*

System, Package

*Values:*

Multiple valued, free text

### **Remove Collection Time Default**

This parameter can be used to remove any defaults for Collection Times in the VBECS Order Dialog. An entry of YES will set the default to null when using the VBECS Blood ordering dialog. Quick orders with a default defined in the quick order definition will not be affected by this parameter.

*Parameter:*

OR VBECS REMOVE COLL TIME

*Precedence:*

Package, System, Division

*Value:*

Yes/No

**Show Diagnostic Panel 1st**

This parameter will switch the location of the Diagnostic and Component panels on the VBECS Order Dialog. Set this parameter to YES to see the Diagnostic tests panel displayed on the left hand side of the display.

*Parameter:*

OR VBECS DIAGNOSTIC PANEL 1ST

*Precedence:*

Package, System, Division

*Values:*

Yes/No

**Show Legacy (VISTA) Blood Bank Report**

“Yes” will show the Legacy (VISTA) blood bank report after the VBECS blood bank report.

*Parameter:*

OR VBECS LEGACY REPORT

*Precedence:*

Package, System, Division

*Value:*

Yes/No

**Suppress Nursing Admin Prompt**

DESCRIPTION: This parameter disables the prompt/pop-up that tells the user they must enter a Nursing Administration Order manually after entering a VBECS Blood order. Disabling this feature is usually done when a Nursing Administration order has been created and added to a VBECS order set.

*Parameter:*

OR VBECS SUPPRESS NURS ADMIN

*Precedence:*

Package, System, Division

*Values:*

Yes/no

**Text for Network Error**

This parameter holds the text to be displayed when the VBECS order dialog is selected but the communication links between CPRS and VBECS are down. Site-specific directions for initiating blood bank orders are encouraged to be put here at the System or Division level.

*Parameter:*

OR VBECS ERROR MESSAGE

*Precedence:*  
Package, System, Division

*Value:*  
Word processing

**VBECS Functionality Site Enabled**

'Yes' indicates that VBECS functionality is enabled.

*Parameter:*  
OR VBECS ON

*Precedence:*  
Package, System, Division

*Value:*  
Yes/No

## **Ordering—Menus/Dialogs**

**Earliest Appropriate Date Default**

This defines the default date value for the Earliest Appropriate Date (EAD) field in consult and procedure orders. This date value can be TODAY or greater and must be a relative date (e.g. "TODAY", T+7D, "T+2W"). Past dates and precise dates are not permitted. The date value may also be a null/empty date, which is set by deleting (via XPAR MENU TOOLS) the current value for the parameter (if one is set).

Any new orders in CPRS GUI and new quick orders will default to the parameter value. Any quick orders that currently have a default value for the EAD will retain that value. If that quick order should reflect the parameter value, simply remove the current default value for the quick order and save the change. The quick order would then default to the parameter value.

*Parameter*  
ORCDGMRC EARLIEST DATE DEFAULT

*Precedence*  
Package

*Value*  
free text

### **Write Orders (Inpatient)**

\*\*\*This parameter has been superseded by ORWDX WRITE ORDERS LIST.\*\*\*

Currently, the GUI references only for backward compatibility reasons.

This parameter is used to list the order dialog names that should appear in the Write Orders list box of the CPRS GUI. This is the list of dialogs that should be used in the inpatient setting.

*Parameter:*

ORWOR WRITE ORDERS LIST

*Precedence:*

User, Location, Service, Division, System, Package

*Values:*

Multiple entries of Order Dialogs

### **Menu for Write Orders List**

This parameter is used to identify a menu in the ORDER DIALOG file that will be used as the list of items that may be selected in the Write Orders list box of the CPRS GUI.

*Parameter:*

ORWDX WRITE ORDERS LIST

*Precedence:*

User, Location, Service, Division, System

*Values:*

Order Dialog Menu

### **Message for Non-Standard Schedule**

Sites can use this parameter to enter the message that displays in the top warning box on the Order with Schedule "OTHER" dialog for inpatient medications. Through this dialog, providers can enter customized day-of-week or administration-time schedules for administering medications, but the message should inform providers how orders with customized schedules will be handled, such as the possibility of a delay or an action that the provider should take, such as calling the pharmacy to arrange a valid schedule.

*Parameter:*

ORWIM NSS MESSAGE

*Precedence:*

Service, Division, System

*Values:*

Free text

### **Message For LC Changed To WC**

When the system automatically changes lab collect orders to ward collect, provides instructions to the user regarding specimen collection for those changed orders.

*Parameter:*

ORWLR LC CHANGED TO WC

*Precedence:*

Package, System, Division, Service, Location

*Values:*

free text

**Msg to show after DEA PIV link**

This parameter determines the information that is displayed on the popup dialog that is presented to the user after successfully linking their PIV card to their VISTA account. Information about contacting an administrative personnel should be included here if they are still unable to prescribe controlled substance orders and believe they should have that ability.

*Parameter:*

OR DEA PIV LINK MSG

*Value:*

word processing /text

*PRECEDENCE:*

Package, System, Division

## **Event-Delayed Orders**

**Allow Use of Manual Release Option**

This parameter will control the ability to use the release delayed orders action if the OREVNT MANUAL RELEASE CONTROL parameter is set to Parameter or Both (Parameter and Keys). If set to No or left blank then manual release will not be allowed. If set to Yes then the manual release action may be used.

*Parameter:*

OREVNT MANUAL RELEASE

*Precedence:*

User, Class, Team (OE/RR), Location, Service, Division, System

*Values:*

Yes, No

**Default Release Event**

This parameter is used to provide a default release event in the event list box presented when the user clicks on the 'Write Delayed Orders' button in CPRS GUI.

*Parameter:*

OREVNT DEFAULT

*Precedence:*

User

*Values:*

Order Dialog Menu

### **Event Delayed Orders**

This parameter is used to identify a menu in the ORDER DIALOG file that will be used as the list of items that may be selected in the Write Orders list box of the CPRS GUI when placing orders that are to be delayed until the selected EVENT occurs.

*Parameter:*

ORWDX WRITE ORDERS EVENT LIST

*Precedence:*

User, Location, Service, Division, System

*Values:*

Order Dialog Menu

### **Excluded Groups For Copy Active Order**

If the "copy active orders" field of a release event is set to YES then any orders that belong to the display groups listed in this parameter will NOT be presented in the list of orders to copy. This parameter allows you to screen certain types of orders from being copied when writing delayed orders

*Parameter:*

OREVNT EXCLUDE DGRP

*Precedence:*

Division, System

### **List of Common Release Events**

Release events defined by this parameter will appear first in the list box when the user is writing delayed orders. These commonly used release events will appear above a line with the rest of the available release events appearing below the line.

Before the list is presented to the user events that are inactive and events that are inappropriate for display (for example, transfer types when the patient is still an outpatient) will be removed from the list.

*Parameter:*

OREVNT COMMON LIST

*Precedence:*

User, Class, Team (OE/RR), Location, Service, Division

### **Manual Release Control Setting**

This parameter defines how access to the manual release action is controlled. There are three possible settings:

1. Keys Only - In this setting only holders of the ORES and ORELSE key may manually release a delayed order. This is how the system previously controlled

access to this action. If the OREVNT MANUAL RELEASE CONTROL parameter is not set then this will be the default setting.

2. Manual Release Parameter Only - In this setting the OREVNT MANUAL RELEASE parameter controls who is allowed to manually release a delayed order. The OREVNT MANUAL RELEASE parameter is distributed with no settings, which effectively denies access to manual release if the control parameter is set to P. In order to have the OREVNT MANUAL RELEASE parameter control access to the manual release action you must set some level of the parameter to a positive (YES) value.
3. Both Keys and Parameter - In this setting a check is first made to see if the user has either the ORES or ORELSE key. If they do not then a check is made to see if the user will have access through the parameter settings. In this setting, if the user does not hold either the ORES or ORELSE key they could still have access to the action based on your parameter settings, which may be more liberal than you'd like. Be sure to check your settings

*Parameter:*

OREVNT MANUAL RELEASE CONTROL

*Precedence:*

Division, System

*Values:*

|   |                               |
|---|-------------------------------|
| K | Keys only                     |
| P | Manual Release Parameter Only |
| B | Both keys and parameter       |

**Order Menu Style**

Determines whether GUI order menus include mnemonics.

*Parameter:*

ORWDXM ORDER MENU STYLE

*Precedence:*

System, Package

*Values:*

|   |                    |
|---|--------------------|
| 0 | Mnemonics Included |
| 1 | No Mnemonics       |
| 2 | Reserved1          |
| 3 | Reserved2          |

**New Med Dialog**

This parameter is used to present the order dialog for a New Medication on the Meds tab of the CPRS GUI. A separate order dialog can be used for inpatients and outpatients.

*Parameter:*

ORWDX NEW MED

*Precedence:*



User, System, Package

*Values:*

Inpatient Order Dialog

Outpatient Order Dialog

### **New Consult Dialog Default**

This parameter is used to define the default menu, dialog, or quick order that should appear when the user selects New Consult from the consults tab.

*Parameter:*

ORWDX NEW CONSULT

*Precedence:*

User, Location, System, Package

*Values:*

Order Dialog

### **New Procedure Dialog Default**

This parameter is used to define the default menu, dialog, or quick order that should appear when the user selects New Procedure from the consults tab.

*Parameter:*

ORWDX NEW PROCEDURE

*Precedence:*

User, Location, System, Package

*Values:*

Order Dialog

## **Personal Quick Orders**

### **Personal Quick Order List**

Contains the name of a personal quick order list for a specific display group.

*Parameter:*

ORWDQ QUICK VIEW

*Precedence:*

User, Location, Service, System, Division, Package

*Values:*

Free text

### **Common Angio/Neuro Orders**

Contains the list of Angio/Neuro quick orders for display at the top of the procedures list box in the GUI ordering dialog.

*Parameter:*

ORWDQ ANI

*Precedence:*

User, Location, Division, System

*Values:*

Multiple entries of Quick Orders (file 101.41)

**Common Cardiology (Nuc Med) Orders**

Contains the list of Cardiology (Nuc Med) quick orders for display at the top of the procedures list box in the GUI ordering dialog.

*Parameter:*

ORWDQ CARD

*Precedence:*

User, Location, Division, System

*Values:*

Multiple entries of Quick Orders (file 101.41)

**Common Consult Orders**

Contains the list of common consult orders for display at the top of the Consult Service list box in the GUI ordering dialog.

*Parameter:*

ORWDQ CSLT

*Precedence:*

User, Location, Division, System

*Values:*

Multiple entries of Quick Orders (file 101.41)

**Common CT Scan Orders**

Contains the list of CT Scan quick orders for display at the top of the procedures list box in the GUI ordering dialog.

*Parameter:*

ORWDQ CT

*Precedence:*

User, Location, Division, System

*Values:*

Multiple entries of Quick Orders (file 101.41)

**Common Diet Orders**

Contains the list of common diet orders for display at the top of the Diet Components list box in the GUI ordering dialog.

*Parameter:*

ORWDQ DO

*Precedence:*

User, Location, Division, System

*Values:*

Multiple entries of Quick Orders (file 101.41)

**Common IV Fluid Orders**

Contains the list of common IV Fluid orders for display at the top of the IV Fluids list box in the GUI ordering dialog.

*Parameter:*

ORWDQ IV RX

*Precedence:*

User, Location, Division, System

*Values:*

Multiple entries of Quick Orders (file 101.41)

**Common Lab Orders**

Contains the list of common lab orders for display at the top of the Lab Tests list box in the GUI ordering dialog.

*Parameter:*

ORWDQ LAB

*Precedence:*

User, Location, Division, System

*Values:*

Multiple entries of Quick Orders (file 101.41)

**Common Mammography Orders**

Contains the list of Mammography quick orders for display at the top of the procedures list box in the GUI ordering dialog.

*Parameter:*

ORWDQ MAM

*Precedence:*

User, Location, Division, System

*Values:*

Multiple entries of Quick Orders (file 101.41)

**Common MRI Orders**

Contains the list of MRI quick orders for display at the top of the procedures list box in the GUI ordering dialog.

*Parameter:*

ORWDQ MRI

*Precedence:*

User, Location, Division, System

*Values:*

Multiple entries of Quick Orders (file 101.41)

**Common Nuclear Med Orders**

Contains the list of Nuclear Med quick orders for display at the top of the procedures list box in the GUI ordering dialog.

*Parameter:*

ORWDQ NM

*Precedence:*

User, Location, Division, System

*Values:*

Multiple entries of Quick Orders (file 101.41)

**Common Med Orders (Outpatient)**

Contains the list of common outpatient meds for display at the top of the Meds list box in the GUI ordering dialog.

*Parameter:*

ORWDQ O RX

*Precedence:*

User, Location, Division, System

*Values:*

Multiple entries of Quick Orders (file 101.41)

**Common Procedure Orders**

Contains the list of common procedure orders for display at the top of the Procedures list box in the GUI ordering dialog.

*Parameter:*

ORWDQ PROC

*Precedence:*

User, Location, Division, System

*Values:*

Multiple entries of Quick Orders (file 101.41)

**Common Radiology Orders**

Contains the list of common radiology orders for display at the top of the procedures list box in the GUI ordering dialog.

*Parameter:*

ORWDQ RAD

*Precedence:*

User, Location, Division, System

*Values:*

Multiple entries of Quick Orders (file 101.41)

**Common Tubefeeding Orders**

Contains the list of common tube feeding diet orders for display at the top of the Tubefeeding Products list box in the GUI ordering dialog.

*Parameter:*

ORWDQ TF

*Precedence:*

User, Location, Division, System

*Values:*

Multiple entries of Quick Orders (file 101.41)

**Common Med Orders (Inpatient)**

Contains the list of common inpatient meds for display at the top of the Meds list box in the GUI ordering dialog.

*Parameter:*

ORWDQ UD RX

*Precedence:*

User, Location, Division, System

*Values:*

Multiple entries of Quick Orders (file 101.41)

**Common Ultrasound Orders**

Contains the list of Ultrasound quick orders for display at the top of the procedures list box in the GUI ordering dialog.

*Parameter:*

ORWDQ US

*Precedence:*

User, Location, Division, System

*Values:*

Multiple entries of Quick Orders (file 101.41)

**Common Vascular Lab Orders**

Contains the list of Vascular Lab quick orders for display at the top of the procedures list box in the GUI ordering dialog.

*Parameter:*

ORWDQ VAS

*Precedence:*

User, Location, Division, System

*Values:*  
Multiple entries of Quick Orders (file 101.41)

**Common Imaging Orders**

Contains the list of common imaging orders for display at the top of the procedures list box in the GUI ordering dialog.

*Parameter:*  
ORWDQ XRAY

*Precedence:*  
User, Location, Division, System

*Values:*  
Multiple entries of Quick Orders (file 101.41)

**Quick Order Display Name**

This parameter allows users to create their own aliases for quick orders.

*Parameter:*  
ORWDQ DISPLAY NAME

*Precedence:*  
User

*Values:*  
Quick Order (file 101.41)

## **Med Ordering (GUI)**

**Suppress Dispense Drug Message**

This parameter determines whether Dispense Drug messages will be suppressed or not. Enter "Yes" to suppress display of the dispense drug message.

*Parameter:*  
ORWDPS SUPPRESS DISPENSE MSG

*Precedence:*  
System

*Values:*  
Yes, No

**CPRS Administration Times Help Text**

*Parameter:*  
OR ADMIN TIME HELP TEXT

*Precedence:*  
SYSTEM

*Value:*  
Free text message

**Medication Routing Default (GUI)**

This will be the default value for Pickup in the Outpatient Medications GUI ordering dialog.

*Parameter:*  
ORWDPS ROUTING DEFAULT

*Precedence:*  
System

*Values:*  
W     at Window  
M     by Mail  
C     in Clinic  
N     no Default

### **CPRS Auto-Renewal User DUZ**

**Note:** This parameter is only for sites using auto-renewal with an automated telephone renewal system. Each site enters a value that points to a proxy user that the site has created. At sites implementing auto-renewal, the auto-renewal process uses this value to populate the 'entered by' value in the ORDERS (#100) file. Because every renewal order will have the same proxy user in the "entered by" value, providers can easily identify that a prescription renewal was processed from AudioRENEWAL. Normally, this parameter is only set once.

*Parameter:*

OR AUTORENEWAL USER

*Precedence:*

System

*Value:*

Pointer

## **Entering Non-VA Meds**

### **Non-VA Meds Statement/Reason**

This parameter lists the reasons and statements for ordering/documenting a non-VA medication. Non-VA meds include herbals, OTCs (over-the-counter medications) and prescriptions not obtained at VA pharmacies or from VA mail delivery services.

*Parameter:*

ORWD NONVA REASON

*Precedence:*

Package, System, Division

## **Expired Meds**

### **Hours To Find Recently Expired Orders**

Number of hours back in time to search for expired orders. Also used to determine number of hours back in time to search for expired med orders if the follow-up action for the Expiring Meds alert does not find expiring meds.

This parameter does NOT affect Meds tab display. To alter Meds tab display, please adjust the ORCH CONTEXT MEDS parameter accordingly.

*Parameter:*

ORWOR EXPIRED ORDERS

*Precedence:*

Package, System



## Ordering – Reports & Printing

---

### Report Generation

#### **Print Chart Copy When**

Chart copies may be printed when orders are:

- a) released to the service
- b) signed by a clinician (may be after the orders are released)

This parameter determines at which point the chart copy of orders will print. The chart copy may be printed when the order is released to the service or delayed until the order is actually signed.

*Parameter:*

ORPF PRINT CHART COPY WHEN

*Precedence:*

System

*Values:*

- R      Releasing order
- S      Signing orders

#### **Print Chart Copy Summary**

This parameter specifies to the nightly background job ORTASK 24HR CHART COPIES that a daily Chart Copy summary should be queued to the device specified by the CHART COPY DEVICE field.

*Parameter:*

ORPF PRINT CHART COPY SUMMARY

*Precedence:*

Location

*Values:*

Yes/No

#### **Print Daily Order Summary**

This parameter specifies to the nightly background job ORTASK 24HR SUMMARY that a daily order summary should be queued to the device specified in the

*Parameter:*

ORPF PRINT DAILY ORDER SUMMARY

*Precedence:*

Location

*Values:*

Yes/No

### **Report List**

This parameter allows custom lists of reports with sequencing. Templates: ORQP REPORT RANGE (USER); ORQP REPORT RANGE (SYSTEM).

#### *Parameter:*

ORWRP REPORT LIST

#### *Precedence:*

User, Division, System, Package

#### *Values:*

### **Lab Report List**

This parameter allows custom lists of lab reports with sequencing. Templates: ORQP REPORT RANGE (USER); ORQP REPORT RANGE (SYSTEM).

#### *Parameter:*

ORWRP REPORT LAB LIST

#### *Precedence:*

User, Division, System, Package

#### *Values:*

## **Report Formatting**

### **Chart Copy Format**

This is the format used when printing chart copies of the orders for the hospital.

#### *Parameter:*

ORPF CHART COPY FORMAT

#### *Precedence:*

System

#### *Values:*

Format entry (file 100.23)

### **Chart Copy Footer**

This is the format used to print the footer of the chart copies of orders for the hospital.

#### *Parameter:*

ORPF CHART COPY FOOTER

#### *Precedence:*

System

#### *Values:*

Format entry (file 100.23)

### **Chart Copy Header**

This is the format used to print the header of the chart copies of orders for the hospital.

*Parameter:*

ORPF CHART COPY HEADER

*Precedence:*

System

*Values:*

Format entry (file 100.23)

### **Chart Copy Summary Sort Forward**

This parameter allows the Chart Copy summaries to print in forward chronological order.

*Parameter:*

ORPF CHART SUMMARY SORT

*Precedence:*

System

*Values:*

Yes/No

### **Expand Continuous Orders**

This is a site parameter to enable continuous orders (i.e., orders with a continuous schedule, e.g., QD or Q4H) to be expanded or not on the chart copy. If set to YES, an order for GLUCOSE BLOOD SERUM with the schedule QD would appear on the chart as:

|                                                                 |                        |                  |
|-----------------------------------------------------------------|------------------------|------------------|
| 05/17 11:04                                                     | GLUCOSE BLOOD SERUM    | Ten Cprsprovider |
| LB #805                                                         | WC ROUTINE             |                  |
| 05/18 11:04                                                     | GLUCOSE BLOOD SERUM    | Ten Cprsprovider |
| LB #806                                                         | WC ROUTINE             |                  |
| 05/19 11:04                                                     | GLUCOSE BLOOD SERUM    | Ten Cprsprovider |
| LB #807                                                         | WC ROUTINE             |                  |
| If this parameter is set to NO, the same order would appear as: |                        |                  |
| 05/17 11:04                                                     | GLUCOSE BLOOD SERUM QD | Ten Cprsprovider |

*Parameter:*

ORPF EXPAND CONTINUOUS ORDERS

*Precedence:*

System

*Values:*

Yes/No

### **Ward Requisition Format**

This is the requisition format to be used when printing requisitions for this package.

*Parameter:*

ORPF WARD REQUISITION FORMAT

*Precedence:*

System

*Values:*

Format entry (file 100.23)

### **Ward Requisition Footer**

This is the format used to print the footer of order requisitions for the hospital.

*Parameter:*

ORPF WARD REQUISITION FOOTER

*Precedence:*

System

*Values:*

Format entry (file 100.23)

### **Ward Requisition Header**

This is the format used to print the header of order requisitions for the hospital.

*Parameter:*

ORPF WARD REQUISITION HEADER

*Precedence:*

System

*Values:*

Format entry (file 100.23)

### **Requisition Sort Field**

This is the field as defined at the ^OR(100,ifn,4.5 level in file 100 to be used to sort requisitions by.

*Parameter:*

ORPF REQUISITION SORT FIELD

*Precedence:*

System

*Values:*

Field Entries

### **Ward Label Format**

This is the label format to be used when printing labels for this package.

#### *Parameter:*

ORPF WARD LABEL FORMAT

#### *Precedence:*

System

#### *Values:*

Format entry (file 100.23)

### **Label Sort Field**

This is the field as defined at the ^OR(100,ifn,4.5 level in file 100 to be used to sort labels by.

#### *Parameter:*

ORPF LABEL SORT FIELD

#### *Precedence:*

System

#### *Values:*

Field Entries

### **Work Copy Format**

This is the format used when printing work copies of the orders for the hospital.

#### *Parameter:*

ORPF WORK COPY FORMAT

#### *Precedence:*

System

#### *Values:*

Format entry (file 100.23)

### **Work Copy Footer**

This is the format used to print the footer of the work copies of orders for the hospital.

#### *Parameter:*

ORPF WORK COPY FOOTER

#### *Precedence:*

System

#### *Values:*

Format entry (file 100.23)

**Work Copy Header**

This is the format used to print the header of the work copies of orders for the hospital.

*Parameter:*

ORPF WORK COPY HEADER

*Precedence:*

System

*Values:*

Format entry (file 100.23)

**Work Copy Summary Sort Forward**

This parameter allows the Work Copy summaries to print in forward chronological order.

*Parameter:*

ORPF WORK SUMMARY SORT

*Precedence:*

System

*Values:*

Yes/No

**Service Copy Format**

This is the format to be used when printing order copies to the service.

*Parameter:*

ORPF SERVICE COPY FORMAT

*Precedence:*

System

*Values:*

Format entry (file 100.23)

**Service Copy Footer**

This is the format to be used for the footer portion of the order copy to the service for this package.

*Parameter:*

ORPF SERVICE COPY FOOTER

*Precedence:*

System

*Values:*

Format entry (file 100.23)

### **Service Copy Header**

This is the format to be used for the header portion of the order copy to the service for this package.

*Parameter:*

ORPF SERVICE COPY HEADER

*Precedence:*

System

*Values:*

Format entry (file 100.23)

### **Condensed Order Summary**

A value of YES in this parameter will print a condensed version of the order summary. The report will be continuous from one patient to the next, printing multiple patients on a page, if there is room. A value of NO will put a page break between patient reports.

*Parameter:*

ORPF CONDENSED ORDER SUMMARY

*Precedence:*

System

*Values:*

Yes/No

### **Initials on Summary**

This parameter allows the initials of the person who entered the order to be displayed on the order summary reports. The initials take up an additional line on the display and are shown just below the Ord'd date time. YES will display the initials of entering person on order summary

*Parameter:*

ORPF INITIALS ON SUMMARY

*Precedence:*

System

*Values:*

Yes/No

### **Order Summary Sort Forward**

This parameter allows the Order summaries to print in forward chronological order.

*Parameter:*

ORPF SUMMARY SORT FORWARD

*Precedence:*

System

*Values:*

Yes/No

## Devices

### **Prompt for Chart Copy**

This field allows various levels of user interaction for printing a chart copy of the orders.

ENTER:

- 0 for no prompts- chart copy is automatically generated.
- 1 to prompt for chart copy and ask which printer should be used.
- 2 to prompt for chart copy and automatically print to the printer defined in the CHART COPY PRINT DEVICE field.
- \* don't print.

*Parameter:*

ORPF PROMPT FOR CHART COPY

*Precedence:*

Location, Division, System

*Values:*

- 0 Don't prompt
- 1 Prompt and ask device
- 2 Prompt and not ask device
- \* don't print

### **Prompt for Labels**

This parameter allows various levels of user interaction for printing a label on the ward for orders.

ENTER:

- 0 for no prompts- labels are automatically generated.
- 1 to prompt for labels and ask which printer should be used.
- 2 to prompt for labels and automatically print to the printer defined in the LABEL PRINT DEVICE field.
- \* Don't print.

*Parameter:*

ORPF PROMPT FOR LABELS

*Precedence:*

Location, Division, System

*Values:*

- 0 Don't prompt
- 1 Prompt and ask device
- 2 Prompt and not ask device
- \* Don't print



### **Prompt for Requisitions**

This field allows various levels of user interaction for printing a requisition on the ward for orders.

ENTER:

- 0 for no prompts- requisitions are automatically generated.
- 1 to prompt for requisitions and which printer should be used.
- 2 to prompt for requisitions and automatically print to the printer defined in the REQUISITION PRINT DEVICE field.
- \* Don't print.

*Parameter:*

ORPF PROMPT FOR REQUISITIONS

*Precedence:*

Location, Division, System

*Values:*

- 0 Don't prompt
- 1 Prompt and ask device
- 2 Prompt and not ask device
- \* Don't print

### **Prompt for Work Copy**

This field allows various levels of user interaction for printing a work copy of the orders.

ENTER:

- 0 for no prompts- work copy is automatically generated.
- 1 to prompt for work copy and ask which printer should be used.
- 2 to prompt for work copy and automatically print to the printer defined in the WORK COPY PRINT DEVICE field.
- \* Don't print.

*Parameter:*

ORPF PROMPT FOR WORK COPY

*Precedence:*

Location, Division, System

*Values:*

- 0 Don't prompt
- 1 Prompt and ask device
- 2 Prompt and not ask device
- \* Don't print

### **Chart Copy Print Device**

This is the printer on the ward/clinic/other where the chart copy should be printed. If the field PROMPT FOR CHART COPY is 0 or 2, this printer is automatically used to print the report. If the field PROMPT FOR CHART COPY is 1, the user is asked for device with the entry in this field as a default.

#### *Parameter:*

ORPF CHART COPY PRINT DEVICE

#### *Precedence:*

Location, Room-Bed

#### *Values:*

Device entry

### **Label Print Device**

This is the printer on the ward/clinic/other where the label should be printed. If the field PROMPT FOR LABELS is 0 or 2, this printer is automatically used to print the labels. If the field PROMPT FOR LABELS is 1, the user is asked for device with the entry in this field as a default.

#### *Parameter:*

ORPF LABEL PRINT DEVICE

#### *Precedence:*

Location, Room-Bed

#### *Values:*

Device entry

### **Requisition Print Device**

This is the printer on the ward/clinic/other where the requisition should be printed. If the field PROMPT FOR REQUISITIONS is 0 or 2, this printer is automatically used to print the requisitions. If the field PROMPT FOR REQUISITIONS is 1, the user is asked for device with the entry in this field as a default.

#### *Parameter:*

ORPF REQUISITION PRINT DEVICE

#### *Precedence:*

Location, Room-Bed

#### *Values:*

Device entry

### **Work Copy Print Device**

This is the printer on the ward/clinic/other where the work copy should be printed. If the field PROMPT FOR WORK COPY is 0 or 2, this printer is automatically used to print the report. If the field PROMPT FOR WORK COPY is 1, the user is asked for device with the entry in this field as a default.

#### *Parameter:*

ORPF WORK COPY PRINT DEVICE

#### *Precedence:*

Location, Room-Bed

#### *Values:*

Device entry

### **Service Copy Default Device**

This is the printer that is to be used when printing order copies to the service.

#### *Parameter:*

ORPF SERVICE COPY DEFLT DEVICE

#### *Precedence:*

Room-Bed, Location, Division, System

#### *Values:*

Device entry

### **Daily Order Summary Device**

This parameter specifies the device on which the DAILY ORDER SUMMARY should be queued by the nightly scheduled option ORTASK 24 HOUR SUMMARY.

#### *Parameter:*

ORPF DAILY ORDER SUMMARY DEVC

#### *Precedence:*

Location, Room-Bed

#### *Values:*

Device entry

## **Printing (GUI)**

### **Default Printer for CPRS GUI**

Default Vista printer for the CPRS GUI.

#### *Parameter:*

ORWDP DEFAULT PRINTER

#### *Precedence:*

User, Location

#### *Values:*

Device entry

**Use Windows Printer as Default?**

If set to YES, CPRS GUI will display Windows standard printer selection dialog instead of the Vista printer selection dialog. If set to NO, the standard Vista printer selection dialog will be displayed, still allowing selection of a Windows printer, but requiring an additional prompt.

*Parameter:*

ORWDP WINPRINT DEFAULT

*Precedence:*

User, Location, System, Package

*Values:*

Yes/No

## **Ordering – Notifications & Order Checks**

---

### **Notifications**

**Access to Erase All My Alerts option**

Yes indicates the user can erase all of their notifications/alerts.

*Parameter:*

ORB ERASE ALL

*Precedence:*

User, Division, System, Package

*Values:*

Yes/No

**Remove Alert Without Processing**

System value indicates if the notification/alert can be deleted without processing. A "yes" value indicates the notification/alert can be deleted without processing. In the CPRS GUI a "yes" value signifies a selected alert can be deleted when the Remove button is clicked. If a notification/alert has a blank value or a "no" value, the notification/alert cannot be deleted without processing.

*Parameter:*

ORB REMOVE

*Precedence:*

System

*Values:*

Yes/No

### **Remove Non-OR Alerts Without Processing**

Indicates if a non-CPRS (non-OERR) alert can be deleted without processing. Enter the alert identifier (or a portion of the alert identifier) for each type of alert you want to be able to remove in the CPRS GUI via the Remove button. The alert identifier or XQAID can be found in the ALERT ID field of the ALERT file [#8992]. For this parameter use the first few characters of the ALERT ID. For example, to remove NOIS alerts enter FSC. You may enter as many alert identifiers as desired. Please note that most alert IDs include information specific to the patient or instance which triggered the alert. For this parameter you should only enter that portion of the alert ID which is consistent for all alerts of this type. For example, a NOIS alert's ID might actually look like FSC-M,275546. Entering the entire alert ID in this parameter will only allow removal of this specific alert. However if the parameter value is FSC, all NOIS alerts can be removed.

Other examples of non-OR alert IDs include:

NO-ID;17;3040628.131502 [Taskman alert] - use NO-ID in parameter

TIUERR,3423,1;1450;3040518.125801 [TIU error alert] - use TIUERR

TIU28907;17;3040720.134827 [TIU alert] - use TIU\* in parameter

\*Using TIU will also enable Removing TIUERR alerts. Use TIUERR if you only want to Remove TIUERR alerts.

#### ***Parameter:***

ORB REMOVE NON-OR

#### ***Values:***

Yes/No

#### ***Precedence:***

System

### **Enable or Disable Notifications**

Parameter determines if any notification processing will occur. 'E' or 'Enable' indicates the notifications system is enabled and running. 'D' or 'Disabled' indicates the notifications system is disabled and not running. Can be set at the Institution, System or Package level.

#### ***Parameter:***

ORB SYSTEM ENABLE/DISABLE

#### ***Precedence:***

Division, System, Package

#### ***Values:***

E      Enable

D      Disable

### **Processing Flag**

Flag used to determine if a notification should be delivered to a user/ recipient. Valid values include Mandatory, Enabled or Disabled.

#### *Parameter:*

ORB PROCESSING FLAG

#### *Precedence:*

User, Team (OE/RR), Service, Location, Division, System, Package

#### *Values:*

|   |           |
|---|-----------|
| M | Mandatory |
| E | Enabled   |
| D | Disabled  |

### **Send Flagged Orders Bulletin**

'Yes' indicates a MailMan bulletin will be sent to the order's Current Provider (usually the Ordering Provider) when the order is flagged for clarification. This parameter has no effect on the Flagged Orders notification, which is also triggered when an order is flagged for clarification.

#### *Parameter:*

ORB FLAGGED ORDERS BULLETIN

#### *Precedence:*

User, Service, Division, System, Package

#### *Values:*

Yes/No

### **Flag Items for INPT EXPIRING Prov Recip**

This parameter is used to trigger a notification/alert when a specific orderable item is expiring for an inpatient. The notification is delivered to a user based upon that user's relationship to the inpatient as defined by the following codes. Orderable Items can be set up with any or all of the following codes:

P (Primary Provider): deliver notification to the patient's Primary Provider.

A (Attending Physician): deliver notification to the patient's Attending Physician.

T (Patient Care Team): deliver notification to the patient's primary care Team.

O (Ordering Provider): deliver notification to the provider who placed the order which trigger the notification.

M (PCMM Team): deliver notification to users/providers linked to the patient via PCMM Team Position assignments.

E (Entering User): deliver notification to the user/provider who entered the order's most recent activity.

R (PCMM Primary Care Practitioner): deliver notification to the patient's PCMM Primary Care Practitioner.

S (PCMM Associate Provider): deliver notification to the patient's PCMM Associate Provider.

*Parameter:*

ORB OI EXPIRING - INPT PR

*Precedence:*

DIVISION, SYSTEM

*Value:*

Free text

**Flag Items for INPT ORDER Providr Recip**

This parameter is used to trigger a notification/alert when a specific orderable item is ordered for an inpatient. The notification is delivered to a user based upon that user's relationship to the inpatient as defined by the following codes. Orderable Items can be set up with any or all of the following codes:

P (Primary Provider): deliver notification to the patient's Primary Provider.

A (Attending Physician): deliver notification to the patient's Attending Physician.

T (Patient Care Team): deliver notification to the patient's primary care Team.

O (Ordering Provider): deliver notification to the provider who placed the order which trigger the notification.

M (PCMM Team): deliver notification to users/providers linked to the patient via PCMM Team Position assignments.

E (Entering User): deliver notification to the user/provider who entered the order's most recent activity.

R (PCMM Primary Care Practitioner): deliver notification to the patient's PCMM Primary Care Practitioner.

S (PCMM Associate Provider): deliver notification to the patient's PCMM Associate Provider.

*Parameter:*

ORB OI ORDERED - INPT PR

*Precedence:*

Division, System

*Value:*

Free text

**Flag Items for INPT RESULT Provid Recip**

DESCRIPTION: This parameter is used to trigger a notification/alert when a specific orderable item is resulted for an inpatient. Results only apply to orders which can be resulted (lab, imaging, consults.)

The notification is delivered to a user based upon that user's relationship to the inpatient as defined by the following codes. Orderable Items can be set up with any or all of the following codes:

P (Primary Provider): deliver notification to the patient's Primary Provider.

A (Attending Physician): deliver notification to the patient's Attending Physician.

T (Patient Care Team): deliver notification to the patient's primary care Team.

O (Ordering Provider): deliver notification to the provider who placed the order which trigger the notification.

M (PCMM Team): deliver notification to users/providers linked to the patient via PCMM Team Position assignments.

E (Entering User): deliver notification to the user/provider who entered the order's most recent activity.

R (PCMM Primary Care Practitioner): deliver notification to the patient's PCMM Primary Care Practitioner.

S (PCMM Associate Provider): deliver notification to the patient's PCMM Associate Provider.

*Parameter:*

ORB OI RESULTS - INPT PR

*Precedence:*

Division, System

*Value:*

Free text

**Flag Items for OUTPT EXPIRING Prov Recip**

This parameter is used to trigger a notification/alert when a specific orderable item is expiring for an outpatient. The notification is delivered to a user based upon that user's relationship to the outpatient as defined by the following codes. Orderable Items can be set up with any or all of the following codes:

P (Primary Provider): deliver notification to the patient's Primary Provider.

A (Attending Physician): deliver notification to the patient's Attending Physician.

T (Patient Care Team): deliver notification to the patient's primary care Team.

O (Ordering Provider): deliver notification to the provider who placed the order which trigger the notification.

M (PCMM Team): deliver notification to users/providers linked to the patient via PCMM Team Position assignments.

E (Entering User): deliver notification to the user/provider who entered the order's most recent activity.

R (PCMM Primary Care Practitioner): deliver notification to the patient's PCMM Primary Care Practitioner.

S (PCMM Associate Provider): deliver notification to the patient's PCMM Associate Provider.

*Parameter:*

ORB OI EXPIRING - OUTPT PR

*Precedence:*

Division, System

*Value:*

Free text



**Flag Items for OUTPT ORDER Providr Recip**

This parameter is used to trigger a notification/alert when a specific orderable item is ordered for an outpatient. The notification is delivered to a user based upon that user's relationship to the outpatient as defined by the following codes. Orderable Items can be set up with any or all of the following codes:

P (Primary Provider): deliver notification to the patient's Primary Provider.

A (Attending Physician): deliver notification to the patient's Attending Physician.

T (Patient Care Team): deliver notification to the patient's primary care Team.

O (Ordering Provider): deliver notification to the provider who placed the order which trigger the notification.

M (PCMM Team): deliver notification to users/providers linked to the patient via PCMM Team Position assignments.

E (Entering User): deliver notification to the user/provider who entered the order's most recent activity.

R (PCMM Primary Care Practitioner): deliver notification to the patient's PCMM Primary Care Practitioner.

S (PCMM Associate Provider): deliver notification to the patient's PCMM Associate Provider.

***Parameter:***

ORB OI ORDERED - OUTPT PR

***Precedence:***

Division, System

***Value:***

Free text

**Flag Items for OUTPT RESULT Provid Recip**

This parameter is used to trigger a notification/alert when a specific orderable item is resulted for an outpatient. Results only apply to orders which can be resulted (lab, imaging, consults.) The notification is delivered to a user based upon that user's relationship to the outpatient as defined by the following codes. An Orderable Item can be set up with any or all of the following codes:

P (Primary Provider): deliver notification to the patient's Primary Provider.

A (Attending Physician): deliver notification to the patient's Attending Physician.

T (Patient Care Team): deliver notification to the patient's primary care Team.

O (Ordering Provider): deliver notification to the provider who placed the order which trigger the notification.

M (PCMM Team): deliver notification to users/providers linked to the patient via PCMM Team Position assignments.

E (Entering User): deliver notification to the user/provider who entered the order's most recent activity.

R (PCMM Primary Care Practitioner): deliver notification to the patient's PCMM Primary Care Practitioner.

S (PCMM Associate Provider): deliver notification to the patient's PCMM Associate Provider.

*Parameter:*

ORB OI RESULTS - OUTPT PR

*Precedence:*

Division, System

*Value:*

Free text

### **Flag Items to Send Inpatient Order Notifications**

This parameter is used to trigger a notification/alert when a specific orderable item is ordered for an inpatient.

If the value for the orderable item flag is “YES”, the entity (user, team, device), flagging the orderable item becomes a potential alert recipient for ALL patients. If the value is “NO”, the entity (user, team, device), flagging the orderable item only becomes a potential alert recipient if that entity is “linked” to the patient. (If a device is added to the potential recipient list, it will always receive the alert.)

Users are linked to a patient if the user is the patient’s attending physician, primary inpatient provider or share an OE/RR team with the patient. Teams are linked to a patient if the patient is on the team. (If a patient is on a team that has flagged an orderable item, all users on that team become potential alert recipients.) Devices (printers, etc.) are linked to a patient if the device and patient are on the same OE/RR team.

*Parameter:*

ORB OI ORDERED - INPT

*Precedence:*

User, Team (OE/RR), Device

*Values:*

Yes/No on multiple orderable items

### **Flag Items to Send Outpatient Order Notifications**

This parameter is used to trigger a notification/alert when a specific orderable item is ordered for an outpatient.

If the value for the orderable item flag is “YES”, the entity (user, team, device), flagging the orderable item becomes a potential alert recipient for ALL patients. If the value is “NO”, the entity (user, team, device), flagging the orderable item only becomes a potential alert recipient if that entity is “linked” to the patient. (If a device is added to the potential recipient list, it will always receive the alert.)

Users are linked to a patient if the user is the patient’s attending physician, primary inpatient provider or share an OE/RR team with the patient. Teams are linked to a patient if the patient is on the team. (If a patient is on a team that has flagged an orderable item, all users on that team become potential alert recipients.) Devices (printers, etc.) are linked to a patient if the device and patient are on the same OE/RR team.

*Parameter:*

ORB OI ORDERED - OUTPT

*Precedence:*

User, Team (OE/RR), Device

*Values:*

Yes/No on multiple orderable items

**Flag Item to Send Inpatient Result Notifications**

This parameter is used to trigger a notification/alert when the results for a specific orderable item are returned. Results only apply to lab, imaging, and consults orders

If the value for the orderable item flag is “YES”, the entity (user, team, device), flagging the orderable item becomes a potential alert recipient for ALL patients. If the value is “NO”, the entity (user, team, device), flagging the orderable item only becomes a potential alert recipient if that entity is “linked” to the patient. (If a device is added to the potential recipient list, it will always receive the alert.)

Users are linked to a patient if the user is the patient’s attending physician, primary inpatient provider or share an OE/RR team with the patient. Teams are linked to a patient if the patient is on the team. (If a patient is on a team that has flagged an orderable item, all users on that team become potential alert recipients.) Devices (printers, etc.) are linked to a patient if the device and patient are on the same OE/RR team.

*Parameter:*

ORB OI RESULTS - INPT

*Precedence:*

User, Team (OE/RR), Device

*Values:*

Yes/No on multiple orderable items

### **Flag Item to Send Outpatient Result Notifications**

This parameter is used to trigger a notification/alert when a specific orderable item is resulted for an outpatient. Results only apply to orders, which can be resulted (lab, imaging, consults.)

If the value for the orderable item flag is “YES”, the entity (user, team, device), flagging the orderable item becomes a potential alert recipient for ALL patients. If the value is “NO”, the entity (user, team, device), flagging the orderable item only becomes a potential alert recipient if that entity is “linked” to the patient. (If a device is added to the potential recipient list, it will always receive the alert.)

Users are linked to a patient if the user is the patient’s attending physician, primary inpatient provider or share an OE/RR team with the patient. Teams are linked to a patient if the patient is on the team. (If a patient is on a team that has flagged an orderable item, all users on that team become potential alert recipients.) Devices (printers, etc.) are linked to a patient if the device and patient are on the same OE/RR team.

#### ***Parameter:***

ORB OI RESULTS - OUTPT

#### ***Precedence:***

User, Team (OE/RR), Device

#### ***Values:***

Yes/No on multiple orderable items

### **Lab ≥ Threshold Value for Alerts**

This parameter permits users to set Lab test result threshold values that determine if an alert is sent to them. If a lab test's result is greater than the threshold value, the Lab Threshold Exceeded notification/alert is triggered.

The Instance (Lab Test;Specimen) must be entered in the format Lab Test #;Specimen #. Lab Test # is the internal entry number from the LABORATORY TEST file [#60]. Specimen # is the internal entry number from the TOPOGRAPHY FIELD file [#61].

#### ***Parameter:***

ORB LAB > THRESHOLD

#### ***Precedence***

User

#### ***Value:***

Numeric

### **Lab ≤ Threshold Value for Alerts**

DESCRIPTION: This parameter permits users to set Lab test result threshold values that determine if an alert is sent to them. If a lab test's result is less than the threshold value, the Lab Threshold Exceeded notification/alert is triggered.

The Instance (Lab Test;Specimen) must be entered in the format Lab Test #;Specimen #. Lab Test # is the internal entry number from the LABORATORY TEST file [#60]. Specimen # is the internal entry number from the TOPOGRAPHY FIELD file [#61].

#### *Parameter*

ORB LAB < THRESHOLD

#### *Precedence:*

User

#### *Value:*

Numeric

### **List of Generic Flag Reasons**

This parameter allows sites to enter generic reason's for flagging orders that the users can choose in the CPRS GUI.

#### *Parameter:*

OR FLAGGED ORD REASONS

#### *Precedence:*

System

#### *Values:*

free text

### **Unverified Medication Orders**

The number of hours to delay triggering an unverified medication order notification/alert. The maximum number of hours is 10,000.

#### *Parameter:*

ORB UNVERIFIED MED ORDER

#### *Precedence:*

Division, System, Package

#### *Values:*

Number of hours

### **Unverified Orders**

This parameter defines the number of hours to delay triggering an unverified order notification/alert. This parameter is used for all types of orders (including medication.) The maximum number of hours is 10,000.

*Parameter:*

ORB UNVERIFIED ORDER

*Precedence:*

Division, System, Package

*Values:*

Number of hours

### **Notification Regular Recipient Devices**

Default recipient devices of a notification despite settings in parameter ORB PROCESSING FLAG. These devices will always receive the notification, regardless of patient.

*Parameter:*

ORB DEFAULT RECIPIENT DEVICES

*Precedence:*

Division, System

*Values:*

Notification for devices

### **Notification Regular Recipients**

Default user or team recipients of a notification despite settings in the parameter ORB PROCESSING FLAG. These users/teams will always receive the notification, regardless of patient.

*Parameter:*

ORB DEFAULT RECIPIENTS

*Precedence:*

User, Team (OE/RR)

*Values:*

Yes/No for Notifications (file 100.9)

### **Notification Sort Direction**

Direction for sorting notifications when displayed in the CPRS GUI. Directions include: Forward and Reverse.

*Parameter:*

ORB SORT DIRECTION

*Precedence:*

User

*VALU:*

Set of codes

### **Provider Recipients**

Set of codes indicating default provider recipients of a notification by their title or relationship to the patient. Notifications can be set up with any or all of the following codes:

- **P (Primary Provider)** delivers notification to the patient's primary provider.
- **A (Attending Physician)** delivers notification to the patient's attending physician.
- **T (Patient Care Team)** delivers notification to the patient's primary care team.
- **O (Ordering Provider)** delivers notification to the provider who placed the order that trigger the notification.
- **M (PCMM Team)** delivers notification to users/providers linked to the patient via PCMM Team Position assignments.
- **E (Entering User)** delivers notification to the user/provider who entered the order's most recent activity.
- **R (PCMM Primary Care Practitioner)** delivers notification to the patient's PCMM Primary Care Practitioner.
- **S (PCMM Associate Provider)** delivers notification to the patient's PCMM Associate Provider.

The providers, physicians and teams must be set up properly and accurately for the correct individuals to receive the notification.

#### *Parameter:*

ORB PROVIDER RECIPIENTS

#### *Precedence:*

Division, System, Package

#### *Values:*

P, A, T, O, M, E, R, and/or S for Notifications (file 100.9)

### **Hold Days Before Forwarding to Supervisor**

The number of days before a notification is forwarded to a recipient's supervisor. The maximum is 30 days. If not indicated or zero, the notification will not be forwarded. For example, if a notification has a value of 14 for this parameter, it will be forwarded to the supervisor of each recipient who hasn't processed the notification after 14 days.

Determination of recipients who have not processed the notification and who their supervisors are is made by the Kernel Alert Utility. It will not be forwarded to supervisors of recipients who have processed the alert within 14 days. If the value of this parameter is zero or non-existent, the alert/notification will never be forwarded. For this purpose, the supervisor is identified as the recipient's service/section chief.

#### *Parameter:*

ORB FORWARD SUPERVISOR

#### *Precedence:*

Division, System, Package

#### *Values:*

Number of days for Notifications (file 100.9)

### **Hold Days Before Forwarding to Surrogates**

The number of days before a notification is forwarded to a recipient's surrogates. The maximum is 30 days. If not indicated or zero, the notification will not be forwarded. For example, if a notification has a value of 14 for this parameter, it will be forwarded to the surrogates of each recipient who haven't processed the notification after 14 days.

Determination of recipients who have not processed the notification and who their surrogates are is made by the Kernel Alert Utility. It will not be forwarded to surrogates of recipients who have processed the alert within 14 days. If the value of this parameter is zero or non-existent, the alert/notification will never be forwarded. For this purpose, the surrogate(s) are identified as the recipient's MailMan surrogate(s).

#### *Parameter:*

ORB FORWARD SURROGATES

#### *Precedence:*

Division, System, Package

#### *Values:*

Number of days for Notifications (file 100.9)

### **Holds Days before Forward to Backup**

The number of days before a notification is forwarded to a recipient's backup alert reviewer. The maximum is 30 days. If not indicated or zero, the notification will not be forwarded. For example, if a notification has a value of 14 for this parameter, it will be forwarded to the backup reviewer of each recipient who hasn't processed the notification after 14 days. Determination of recipients who have not processed the notification and their backup alert reviewer is made by the Kernel Alert Utility. It will not be forwarded to backup reviewers of recipients who have processed the alert within 14 days. If the value of this parameter is zero or non-existent, the alert/notification will never be forwarded.

#### *Parameter:*

ORB FORWARD BACKUP REVIEWER

#### *Precedence*

Division, System, Package

#### *Value:*

Numeric (number of days to hold before forwarding to back up reviewer)

### **Surrogate Recipient for Notifications**

Sets up a surrogate recipient to receive all notifications (Order Entry alerts), for a user.

**Note:** This parameter will no longer be used. Kernel now supports this function by allowing a surrogate to be entered by the user. Alerts will be forwarded to this surrogate.

#### *Parameter:*

ORB SURROGATE RECIPIENT

#### *Precedence:*

User

#### *Values:*

User (file 200)



### **Notification Sort Method**

Method for sorting notifications when displayed in the CPRS GUI. Methods include: by Patient, Message (text), Urgency, Info, Location, Date/Time, and Forwarded By/When.

#### *Parameter:*

ORB SORT METHOD

#### *Precedence:*

User, Division, System, Package

#### *Values:*

|   |                   |
|---|-------------------|
| P | Patient           |
| M | Message           |
| U | Urgency           |
| I | Info              |
| L | Location          |
| D | Date/Time         |
| F | Forwarded By/When |

### **Notification Urgency**

Set of codes indicating the urgency for a notification for a site. The urgency is mainly used for sorting in displays. The codes include: 1 (High): notification is Highly urgent. 2 (Moderate): notification is Moderately urgent. 3 (Low): notification is of Low urgency.

#### *Parameter:*

ORB URGENCY

#### *Precedence:*

User, Service, Division, System, Package

#### *Values:*

|   |          |
|---|----------|
| 1 | High     |
| 2 | Moderate |
| 3 | Low      |

### **Grace Period Before Deletion**

The number of days to archive a notification for a site. If not indicated, the default period of 30 days is used. The maximum number of days is 100,000 or about 220 years. This value is passed to the Kernal Alert Utility where the actual archiving and deletion of alerts/notifications occurs.

#### *Parameter:*

ORB ARCHIVE PERIOD

#### *Precedence:*

Division, System, Package

#### *Values:*

Number of days for Notifications (file 100.9)

### **Delete Mechanism**

Set of codes used to determine how a notification will be deleted at a site. Codes include:  
I (Individual Recipient): delete the notification for an individual recipient when a) that individual completes the follow-up action on notifications with associated follow-up action, b) that individual reviews notifications without follow-up actions. A (All Recipients): delete the notification for all recipients when a) any recipient completes the follow-up action on notifications with follow-up actions, b) any recipient reviews notifications without follow-up actions.

*Parameter:*

ORB DELETE MECHANISM

*Precedence:*

Division, System, Package

*Values:*

I or A for Notifications (file 100.9)

### **Last Date/Time Tasked Notification was Queued**

This is the last date/time the tasked/time-driven notifications were processed. It is set within routines.

*Parameter:*

ORB LAST QUEUE DATE

*Precedence:*

System

*Values:*

Date/Time

## **Order Checks**

### **Enable or Disable Order Checking System**

Parameter determines if any order checking will occur. 'E' or 'Enable' indicates order checking is enabled and running. 'D' or 'Disabled' indicates order checking is disabled and not running. Can be set at the Institution, System, or Package level.

*Parameter:*

ORK SYSTEM ENABLE/DISABLE

Division, System, Package

*Values:*

E      Enable

D      Disable

**Order Check Processing Flag**

This is the last date/time the tasked/time-driven notifications were processed. It is set within routines.

*Parameter:*

ORK PROCESSING FLAG

*Precedence:*

System

*Values:*

Date/Time

**Enable or Disable Debug Log**

Flag indicating if an order check should be processed for a certain set of circumstances. An order check can be Enabled or Disabled. Only Enabled order checks will be processed.

*Parameter:*

ORK DEBUG ENABLE/DISABLE

*Precedence:*

User, Location, Service, Division, System, Package

*Values:*

E or D for Order Checks (file 100.8)

**RDI Cache Time**

This parameter enables users to set the length of time RDI should cache HDR data for order checking.

*Parameter:*

OR RDI CACHE TIME

*Value*

0:9999

*Precedence:*

System

**Note:** To edit the values of these parameters, users must use the OR RDI PARAMS menu. Users will not be able to use the general parameter editing menu options, such as XPAR EDIT. The default is 120 minutes.

### **RDI Have HDR**

This parameter determines indicates if the system should check a Health Data Repository (HDR) for remote data from other VHA facilities and from Department of Defense data. The purpose of this parameter is to support the VistaOffice application that will not have an HDR.

**Note:** VistaOffice is a third-party version of VistA that can be used by private medical offices and other Non-VA institutions. RDI has not been tested in these settings, but the feature was included because VistA is used by other entities than the VA.

*Parameter:*

OR RDI HAVE HDR

*Precedence:*

System

*Value:*

Yes/No

**Note:** To edit the values of these parameters, users must use the OR RDI PARAMS menu. Users will not be able to use the general parameter editing menu options, such as XPAR EDIT. The default is NO, but will be set to YES when patch OR\*3.0\*238 is installed.

### **Order Check Clinical Danger Level**

Package, System, and Division levels indicate the clinical danger level of an order check. Valid levels include High, Moderate, Low. The clinical danger level is used in sorting for order check display and prompting for override.

*Parameter:*

ORK CLINICAL DANGER LEVEL

*Precedence:*

Division, System, Package

*Values:*

0 High

1 Moderate

2 Low

### **CT Scanner Height Limit**

This parameter is used by order checking to determine if a patient is too tall to be examined by the CAT scanner.

*Parameter:*

ORK CT LIMIT HT

*Precedence:*

Division, System

*Values:*

Number of inches

**CT Scanner Weight Limit**

This parameter is used by order checking to determine if a patient is too heavy to be safely examined by the CAT Scanner.

*Parameter:*

ORK CT LIMIT WT

*Precedence:*

Division, System

*Values:*

Number of pounds

**MRI Scanner Height Limit**

This parameter is used by order checking to determine if a patient is too tall to be safely examined by the MRI scanner.

*Parameter:*

ORK MRI LIMIT HT

*Precedence:*

Division, System

*Values:*

Number of inches

**MRI Scanner Weight Limit**

This parameter is used by order checking to determine if a patient is too heavy to be safely examined by the MRI scanner.

*Parameter:*

ORK MRI LIMIT WT

*Precedence:*

Division, System

*Values:*

Number of pounds

**Duplicate Lab Orders Date Range**

This parameter sets the number of hours backwards in time to look for duplicate lab orders. For example, a value of '24' indicates a lab procedure intended to be collected within 24 hours of the collection of the same lab procedure will trigger an order check indicating duplicate lab order. Note: if the lab procedure has an entry in the parameter OR DUP ORDER DATE RANGE OI, the OI parameter takes precedence.

*Parameter:*

ORK DUP ORDER RANGE LAB

*Precedence:*

Location, Service, Division, System, Package

*Values:*

Number of hours

**Orderable Item Duplicate Date Range**

The number of hours back in time to look for duplicate orders. For example, a value of '24' indicates if a duplicate of the orderable item was placed within the previous 24 hours, an order check indicating duplicate order will occur. A value of '0' (zero) indicates do not check for duplicates - duplicate order checking for this orderable item will not occur.

*Parameter:*

ORK DUP ORDER RANGE OI

*Precedence:*

Location, Service, Division, System

*Values:*

Number of hours for Orderable Items (file 101.43)

**Duplicate Radiology Order Date Range**

The number of hours backwards in time to look for duplicate radiology orders. For example, a value of '24' indicates a radiology/imaging procedure performed within 24 hours of the current order's effective date/ time will trigger an order check alerting the user to the duplicate.

*Parameter:*

ORK DUP ORDER RANGE RADIOLOGY

*Precedence:*

Location, Service, Division, System, Package

*Values:*

Number of hours

**Number of Polypharmacy Medications**

The number of medications used to determine polypharmacy. If the patient is taking more than the number of meds indicated by this parameter's value, polypharmacy exists. This parameter is used by the order check Polypharmacy. This parameter accepts values from 0 to 100.

*Parameter:*

ORK POLYPHARMACY

*Precedence:*

Location, Division, System, Package

*Values:*

Number of medications

### **Creatinine Results for Glucophage**

The number of days to look back in time for patient's most recent creatinine. This value is used in the Glucophage - Lab Results order check.

*Parameter:*

ORK GLUCOPHAGE CREATININE

*Precedence:*

Location, Division, System, Package

*Values:*

Number of days

### **Msg To Display On Inpt Ord Of Clozapine**

This parameter allows sites to set what text they would like for users to see when an inpatient order of Clozapine is made. This drug is generally ordered in an outpatient setting and thus is subject to the special order appropriateness checks. However, when ordered in an inpatient setting these checks are not done. Thus sites should determine a policy to handle this and provide instructions to users based on that policy.

**Note:** The above text is what is found in the parameter description. A clarification to this text will be included in the next build of CPRS. The description should read as follows:

Clozapine is usually prescribed in an outpatient setting, but it can be ordered for inpatients. However, the special appropriateness order checks that occur when finishing in the backdoor Outpatient Pharmacy setting do not occur in the finishing process in backdoor Inpatient Pharmacy. In addition, backdoor Outpatient Pharmacy sends the clozapine information to the National Clozapine Coordinating Center (NCCC) database. Some sites have directed the ordering provider to place a corresponding outpatient order when placing an inpatient clozapine order. The sites that have this policy can use the new OR CLOZ INPT MSG parameter to help reinforce this policy to the ordering providers.

*Parameter:*

OR CLOZ INPT MSG

*Precedence:*

System

*Value:*

Free text message

## Ordering – Miscellaneous

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### **Activate CPRS PFSS Switch**

Parameter to tell CPRS if it needs to perform the PFSS functionality.

#### *Parameter*

ORWPFSS ACTIVE

#### *Precedence*

System

#### *Values*

Set of codes: 0:NO;1:Y

**Note:** This parameter was created to be used in testing and will not be used after the patch enabling PFSS is installed. Sites should NOT change this parameter. PFSS is in testing and will be implemented in a phased roll-out. Sites should wait until they receive instructions or a patch to activate this parameter.

### **Allow Clerks to act on Non-VA Med Orders**

This parameter determines if clerks (i.e. users holding the OREMAS key) are allowed to act on non-VA med orders. Enter YES to permit a clerk to enter new or DC non-VA med orders and send them to Pharmacy for reports and order checks. To prohibit clerks from handling non-VA med orders entirely, select NO.

#### *Parameter*

OR OREMAS NON-VA MED ORDERS

#### *Precedence*

System

#### *Values:*

Set of codes: 0:NO; 2:YES

### **Order Number**

The parameter tracks the progress of the Order Text conversion job, queued off by the post-init for Patch OR\*3\*92.

#### *Parameter:*

OR ORDER TEXT CONVERSION

#### *Precedence:*

System

#### *Values:*

Numeric



**Freq. to check times events via TaskMan**

This parameter determines the number of minutes to delay between processing OCX time-based events via TaskMan. If the parameter is not set, a default of 240 minutes will be used. The maximum number of minutes is 100,000 (1667 hours or 69 days)

*Parameter:*

ORM TASKMAN QUEUE FREQUENCY

*Precedence:*

Division, System, Package

*Values:*

Number of minutes

**Object on Order Acceptance**

This parameter determines the COM Objects to activate on order acceptance

*Parameter:*

ORWCOM ORDER ACCEPTED

*Precedence:*

Division, System, Service, User

*Values:*

Object

**OR RA RFS CARRY ON**

This value will determine if CPRS will carry on the text entered in the Reason for Study field of the Radiology (Imaging) order dialog. By carry on, it is meant that when one order is entered the value entered in the Reason for Study field will be held and used again in subsequent Radiology orders.

*Parameter:*

OR RA RFS CARRY ON

*Precedence:*

Package, System, Division, Service, User

*Value:*

yes/no

**CPRS RADIOLOGY ISSUES MAIL GROUP**

*Parameter:*

OR RADIOLOGY ISSUES

*Precedence:*

System

*Value:*

free text

## System Management

### **Time of Last ORMTIME Run**

This parameter is written and accessed by ORMTIME and related processing. No direct user access is intended.

*Parameter:*

ORM ORMTIME LAST RUN

*Precedence:*

System

*Values:*

Number

### **Error Days**

The number of days to keep the OE/RR Error file current.

*Parameter:*

ORPF ERROR DAYS

*Precedence:*

System

*Values:*

Number of days

## Auto-DC

### **DC Generic Orders on Ward Transfer**

This parameter controls the discharging of generic orders (orders that are not transmitted to any ancillary service for action) when a patient's ward location changes. If set to YES, then generic orders are discharged whenever the patient is transferred to a new location; if empty or set to NO, no automatic discharging will take place on ward transfers.

*Parameter:*

ORPF DC OF GENERIC ORDERS

*Precedence:*

System

*Values:*

Yes/No

### **DC Generic Orders on Admission**

This parameter controls the discharging of generic orders (orders that are not transmitted to any ancillary service for action) when a patient is admitted. If set to YES, then generic orders are discharged whenever a patient is admitted to the hospital; if empty or set to NO, no automatic discharging will take place on admission.

*Parameter:*

OR DC GEN ORD ON ADMISSION

*Precedence:*

System

*Values:*

Yes/No

### **DC on Specialty Change**

This parameter contains a list of packages whose orders are to be automatically discontinued by CPRS when a patient's treating specialty changes. If the 'DC Generic Orders on Transfer' parameter is set to WARD LOCATION or NONE, this parameter will be ignored.

*Parameter:*

OR DC ON SPEC CHANGE

*Precedence:*

System

*Values:*

Yes on Packages (file 9.4)

### **DC Reason Sequence**

*Parameter:*

OR DC REASON LIST

*Precedence:*

System

*Value:*

Pointer

### **Lapse Unsigned/Unreleased Orders by Group**

The purpose of this parameter is to store the number of days that old orders will be lapsed. This parameter is multi valued with an instance term of DISPLAY GROUPS. Thus the way it works is that you can set “Display Group A” so that old orders from this display group will lapse in 10 days for instance. Then you could have “Display Group B” set so that those orders would lapse when they are 20 days old. Display groups not individually set by this parameter are affected by the OR LAPSE ORDERS DFLT parameter.

By lapsing, it is meant that the order is placed in a LAPSED status. Also see the description for parameter OR LAPSE ORDERS DFLT.

#### ***Parameter:***

OR LAPSE ORDERS

#### ***Precedence:***

Division, System

#### ***Value:***

Number Of Days

### **Lapse Unsigned/Unreleased Orders Default**

The purpose of this parameter is to store the number of days that old orders will be lapsed when those orders are from a DISPLAY GROUP that does not have parameter OR LAPSE ORDERS set. The default value that is set in this parameter will affect all orders that do not have a specific DISPLAY GROUP value. Thus if both “Display Group A” and “Display Group B” have parameter OR LAPSE ORDERS set for them but “Display Group C” does not, then orders from “Display Group C” will get lapsed in the number of days specified in OR LAPSE ORDERS DFLT.

#### ***Parameter:***

OR LAPSE ORDERS DFLT

#### ***Precedence:***

System, Division

#### ***Value:***

Number of days

## **Patient Movement Actions**

### **Review on Patient Movement**

This parameter allows orders to be reviewed when a patient is transferred or discharged, and when a clinic appointment is made or canceled.

#### ***Parameter:***

ORPF REVIEW ON PATIENT MVMT

#### ***Precedence:***

System

#### ***Values:***

Yes/No

## Not Specific to Ordering

---

### General Behavior (GUI)

#### **Timeout for GUI Chart**

This value overrides the user's DTIME only in the case of the CPRS chart, Windows version (CPRSChart.exe).

*Parameter:*

ORWOR TIMEOUT CHART

*Precedence:*

User, System

*Values:*

Number of seconds

#### **Countdown Seconds upon Timeout**

This value is the number of seconds used for the countdown when the timeout notification window appears.

*Parameter:*

ORWOR TIMEOUT COUNTDOWN

*Precedence:*

User, System, Package

*Values:*

Number of seconds

#### **CPRS GUI Tool Menu**

This parameter may be used to identify which items should appear on the tools menu that is displayed by the CPRS GUI. Each item should contain a name that should be displayed on the menu, followed by an equal sign, followed by the command string used to invoke the executable. This string may also include parameters that are passed to the executable.

Some example entries are:

```
Hospital Policy=C:\WINNT\SYSTEM32\VIEWERS\QUIKVIEW.EXE LOCPLCY.DOC  
VISTA Terminal=C:\PROGRA~1\KEA\KEAVT.EXE VISTA.KTC
```

An ampersand may be used in the name portion to identify a letter that should be underlined on the menu for quick keyboard access. For example, to underscore the letter H in Hospital Policy, enter &Hospital Policy as the name part.

*Parameter:*

ORWT TOOLS MENU

*Precedence:*

User, Location, Service, Division, System, Package

*Values:*

Sequence of commands

### **Broadcast Window Messages to Other Applications**

This parameter may be used to disable the use of windows messaging to notify other applications of CPRS events. Normally, this parameter should be set to 'Yes'. If other applications do not respond appropriately to broadcast messages, this parameter may be set to 'No' to debug these applications.

*Parameter:*

ORWOR BROADCAST MESSAGES

*Precedence:*

User, System, Package

*Values:*

Yes/No

### **Disable Web Links in GUI**

When this parameter is set to yes, web links in the CPRS GUI will be disabled or hidden.

*Parameter:*

ORWOR DISABLE WEB ACCESS

*Precedence:*

User, Division, System, Package

*Values:*

Yes/No

### **VISTAWEB Address**

A new parameter has been created to allow sites to edit the web address that points to the VistaWeb interface. Prior to this change, the web address was hard coded in Delphi. Now sites can change this parameter for testing in test accounts, or if the VistaWeb web address changes in the future.

*Parameter:*

ORWRP VISTAWEB ADDRESS

*Precedence:*

User, Division, System, Package

*Value:*

Free-text (web address without calculated parameters)

**Note:** The value of this parameter should NOT include any parameters in the address, because these are calculated when the call to VistaWeb is made. For example if the VistaWeb address is:

<https://vistaweb.med.va.gov/ToolsPage.aspx?q9gtw0=660&xqi4z=%DFN&yicf=%DUZ>

...the value of ORWRP VISTAWEB ADDRESS should be:

<https://vistaweb.med.va.gov/ToolsPage.aspx>

If no value is entered for this parameter, then CPRS will default to:

<https://vistaweb.med.va.gov>

### **Turn Remote Queries to HDR On**

This parameter determines if Remote patient queries are done to the HDR. The values for this parameter can be controlled down to the USER entity.

*Parameter:*

ORWRP HDR ON

*Precedence:*

User, Division, System, Package

*Value:*

yes/no

**WARNING:** Sites should not enable this parameter until they receive official instructions. There is the possibility that inaccurate or misaligned data could be displayed in CPRS. A future patch will either provide instructions or activate the ORWRP HDR ON parameter.

## **Desktop Layout (GUI)**

### **Form or Control Boundaries**

This parameter records bounds (position & size) information for the forms and controls in CPRSChart (Patient Chart GUI). The individual properties are comma delimited (left, top, width, height).

*Parameter:*

ORWCH BOUNDS

*Precedence:*

User, Package

*Values:*

Free Text

### **Control Width**

This records the widths of each column in a grid type control. The column widths are entered from left to right and delimited by commas. For example, "50,260,25,78,129".

*Parameter:*

ORWCH WIDTH

*Precedence:*

User, Package

*Values:*

Free Text

### **Column Width**

This records the width property for a control in CPRSChart (Patient Chart GUI). In particular, it is used for recording the positions of splitter bars.

*Parameter:*

ORWCH COLUMNS

*Precedence:*

User, Package

*Values:*

Numeric entries on forms

### **Font Size for Chart**

This saves the preferred font size for CPRS Chart.

*Parameter:*

ORWCH FONT SIZE

*Precedence:*

User, Division, System

*Values:*

Number of point size

## **Initial Tab Views**

### **Initial Tab when CPRS Starts**

This parameter identifies the tab that should be initially displayed when CPRS first starts. If ORCH USE LAST TAB is 'no', this tab is also used whenever a new patient is selected.

*Parameter:*

ORCH INITIAL TAB

*Precedence:*

User, Division, System, Package

*Values:*

- |   |          |
|---|----------|
| 0 | Cover    |
| 1 | Problems |
| 2 | Meds     |
| 3 | Orders   |
| 4 | Notes    |
| 5 | Consults |
| 6 | DCSumm   |
| 7 | Labs     |
| 8 | Reports  |



**Use Last Selected Tab on Patient Change**

When this parameter is set to yes, CPRS will open to the last selected tab whenever changing patients. When set to no, CPRS will open to the tab identified by ORCH INITIAL TAB.

*Parameter:*

ORCH USE LAST TAB

*Precedence:*

User, Division, System, Package

*Values:*

Yes/No

**Consults Tab Context**

Saves the user's preferred view when on the consults tab.

*Parameter:*

ORCH CONTEXT CONSULTS

*Precedence:*

User, System, Package

*Values:*

Free Text

**Labs Tab Inpatient Context**

Saves the user's preferred view when on the labs tab (for an inpatient).

*Parameter:*

ORCH CONTEXT INPT LABS

*Precedence:*

User, System, Package

*Values:*

Free Text

**Labs Tab Outpatient Context**

Saves the user's preferred view when on the labs tab (for an outpatient)

*Parameter:*

ORCH CONTEXT OUTPT LABS

*Precedence:*

User, System, Package

*Values:*

Free Text

### **Meds Tab Context**

Specifies a date range (in days) for Meds tab display that dictates the length of time orders are displayed. The parameter provides strings of delimited ("; ") pieces, the first two of which are always a relative date range. Users can determine the date range of medications that display on the Medications tab through the Tools | Options... pull-down menu in CPRS.

This parameter functions independently of display settings for the Orders tab. If you need to alter the display range for expired medication orders on the Orders tab, please adjust the ORWOR EXPIRED ORDERS parameter accordingly.

*Parameter:*

ORCH CONTEXT MEDS

*Precedence:*

User, System, Package

*Values:*

Free Text

### **Notes Tab Context**

Saves the user's preferred view when on the notes tab.

*Parameter:*

ORCH CONTEXT NOTES

*Precedence:*

User, System, Package

*Values:*

Free Text

### **Orders Tab Context**

Saves the user's preferred view when on the orders tab. A semi-colon delimits elements of the view. The contents of the parameter are:

BeginTime;EndTime;Status;DisplayGroup;Format;Chronological;ByGroup  
where,

- 1      BeginTime is the earliest relative order date/time (T-1, T-30, etc.)
- 2      EndTime is the latest relative order date/time (NOW, T, T-20, etc.)
- 3      Status is the number passed as the FLG field to EN^ORQ1
- 4      DisplayGroup is the short name of the display group
- 5      Format is "L" for long and "S" for short
- 6      Chronological is "R" for reverse and "F" for forward
- 7      ByGroup is "1" if the orders should be grouped by display group

*Parameter:*

ORCH CONTEXT ORDERS

*Precedence:*

User, System, Package

*Values:*

Free Text (formatted as described)

**Problems Tab Context**

Saves the user's preferred view when on the problems tab.

*Parameter:*

ORCH CONTEXT PROBLEMS

*Precedence:*

User, System, Package

*Values:*

Free Text

**Reports Columns Widths**

Records the width of each column in a grid on the Reports tab. The column width is entered from left to right and delimited by commas. For example, "50,260,25,78,129".

*Parameter:*

ORWCH COLUMNS REPORTS

*Precedence:*

User, Package

*Values:*

Free Text

**Reports Tab Context**

Saves the user's preferred view when on the reports tab.

*Parameter:*

ORCH CONTEXT REPORTS

*Precedence:*

User, System, Package

*Values:*

Free Text

**Summaries Tab Context**

Saves the user's preferred view when on the summaries tab.

*Parameter:*

ORCH CONTEXT SUMMRIES

*Precedence:*

User, System, Package

*Values:*

Free Text

### **Imaging Tab Context**

Saves the user's preferred view when on the imaging tab.

#### *Parameter:*

ORCH CONTEXT XRAYs

#### *Precedence:*

User, System, Package

#### *Values:*

Free Text

## **Patient Selection**

### **Select Patient From**

Default preference for patient list source. Valid values include:

|   |                    |
|---|--------------------|
| T | Team/Personal List |
| W | Ward List          |
| C | Clinic List        |
| P | Provider List      |
| S | Specialty List     |
| M | Combination List   |

#### *Parameter:*

ORLP DEFAULT LIST SOURCE

#### *Precedence:*

User, Service

#### *Values:*

|   |                    |
|---|--------------------|
| T | Team/Personal List |
| W | Ward List          |
| C | Clinic List        |
| P | Provider List      |
| S | Specialty List     |
| M | Combination List   |

**Sort Order**

Default sort order for the patient list. Room/Bed is valid only for inpatients list (Ward, Team/Personal Team, Provider, Specialty). Appointment Date is valid only for outpatient lists (Clinic) and Combination lists. Source is valid only for Combination lists.

***Parameter:***

ORLP DEFAULT LIST ORDER

***Precedence:***

User, Service, Division, System, Package

***Values:***

|   |                  |
|---|------------------|
| A | Alphabetical     |
| R | Room/Bed         |
| P | Appointment Date |
| T | Terminal Digit   |
| S | Source           |

**Clinic Start Date**

Patients with appointment dates as early as this date will be added to the Clinic List. Patients will be added with appointment dates between START DATE and STOP DATE.

***Parameter:***

ORLP DEFAULT CLINIC START DATE

***Precedence:***

User, Service, Division, System, Package

***Values:***

Free Text

**Clinic Stop Date**

Patients with appointment dates as recent as this date will be added to the Clinic List. Patients will be added with appointment dates between START DATE and STOP DATE.

***Parameter:***

ORLP DEFAULT CLINIC STOP DATE

***Precedence:***

User, Service, Division, System, Package

***Values:***

Free Text

**Monday's Clinic**

Clinic identified as a default source for patients on Monday.

*Parameter:*

ORLP DEFAULT CLINIC MONDAY

*Precedence:*

User, Service

*Values:*

Clinic entry (file 44)

**Tuesday's Clinic**

Clinic to be default for determining patient list on Tuesdays.

*Parameter:*

ORLP DEFAULT CLINIC TUESDAY

*Precedence:*

User, Service

*Values:*

Clinic entry (file 44)

**Wednesday's Clinic**

Clinic to be default source of Wednesday's patient list.

*Parameter:*

ORLP DEFAULT CLINIC WEDNESDAY

*Precedence:*

User, Service

*Values:*

Clinic entry (file 44)

**Thursday's Clinic**

Clinic to be default source of Thursday's patient list.

*Parameter:*

ORLP DEFAULT CLINIC THURSDAY

*Precedence:*

User, Service

*Values:*

Clinic entry (file 44)

**Friday's Clinic**

Clinic to be default source of Friday's patient list.

*Parameter:*

ORLP DEFAULT CLINIC FRIDAY

*Precedence:*

User, Service

*Values:*

Clinic entry (file 44)

**Saturday's Clinic**

Clinic to be default source of Saturday's patient list.

*Parameter:*

ORLP DEFAULT CLINIC SATURDAY

*Precedence:*

User, Service

*Values:*

Clinic entry (file 44)

**Sunday's Clinic**

Clinic to be default source of Sunday's patient list.

*Parameter:*

ORLP DEFAULT CLINIC SUNDAY

*Precedence:*

User, Service

*Values:*

Clinic entry (file 44)

**Provider**

Provider who is basis for building the Provider List of patients.

*Parameter:*

ORLP DEFAULT PROVIDER

*Precedence:*

User, Service

*Values:*

Provider entry (file 200)

### **Specialty**

Treating Specialty used as a source for patients on the Specialty List.

*Parameter:*

ORLP DEFAULT SPECIALTY

*Precedence:*

User, Service

*Values:*

Specialty entry (file 45.7)

### **Team/Personal**

Team/Personal list to be default source of patients.

*Parameter:*

ORLP DEFAULT TEAM

*Precedence:*

User, Service

*Values:*

Team entry (file 100.21)

### **Ward**

Ward for default list of patients.

*Parameter:*

ORLP DEFAULT WARD

*Precedence:*

User, Service

*Values:*

Ward entry (file 42)

### **Auto-Close Patient Messages**

This parameter controls how long the patient messages window displays before automatically closing. The default is 5. If the number of seconds is set to 0, the window will remain open until the user clicks it closed.

*Parameter:*

ORWOR AUTO CLOSE PT MSG

*Precedence:*

User, System, Package

*Values:*

Number of seconds



### **Object on Patient Selection**

This parameter indicates the COM Object on patient selection.

*Parameter:*

ORWCOM PATIENT SELECTED

*Precedence:*

System, Division, Service, Service

*Value Term:*

COM Object

## **Reminders**

### **Default Outside Locations**

Returns a list of default outside locations for display in a reminder dialog.

*Parameter:*

ORQQPX DEFAULT LOCATIONS

*Precedence:*

User, Service, Division, System, Package

*Values:*

Free text

### **Reminder Folders**

This parameter is used and set by the CPRS GUI. Each letter represents a reminder folder that is visible in the reminders tree.

*Parameter:*

ORQQPX REMINDERS FOLDERS

*Precedence:*

User, Service, Division, System, Package

*Values:*

Free text

### **Position Reminder Text at Cursor**

Allows text generated by a reminder dialog, when processing a reminder, to be inserted at the current cursor location instead of at the bottom of the note.

*Parameter:*

ORQQPX REMINDER TEXT AT CURSOR

*Precedence:*

User, Service, Division, System

*Values:*

0 - No

1 – Yes

### **Use MH DLL?**

This parameter allows sites to stop CPRS from using the MH DLL when processing a MH test in a Reminder Dialog.

The default for this parameter is Y. This parameter should only be set to N if the site is having problems with CPRS and the MH DLL.

#### *Parameter:*

OR USE MH DLL

#### *Precedence:*

System

#### *Values:*

0:NO;1:YES

**Note:** The parameter OR USE MH DLL has been removed with CPRS v.29 and will no longer be checked. Rather than asking if sites want to use the Mental Health DLLs, CPRS will only use the Mental Health DLLs to resolve reminders. If the DLLs are not present, CPRS will not proceed.

## **Cover Sheet**

### **Mark Allergy/ADR as Entered in Error**

This parameter will control whether or not a user has access to the entered in error functionality available on the cover sheet in CPRS GUI.

#### *Parameter*

OR ALLERGY ENTERED IN ERROR

#### *Precedence*

User, Class, Division, System

#### *Value*

Yes/No

### **Cover Sheet Reminders by User Class**

This parameter works in conjunction with the ORQQPX COVER SHEET REMINDERS parameter, acting as another level to the cumulative parameter of User Class, inserted between the User and Location Levels. Each line of the Value word processing field represents a different reminder or category, and is in the format Sequence;FlagTypeIEN, where Flag indicates L:Lock, R:Remove or N:Normal, Type is a 'C' or 'R', indicating that # is the internal entry number of a Category or a Reminder.

#### *Parameter:*

ORQQPX COVER SHEET REM CLASSES

#### *Precedence:*

System

#### *Values:*

Word processing

### **New Cover Sheet Reminders Parameters**

This parameter is cumulative, so sequence ranges should be assigned. Values are in the form of FlagTypeIEN, where Flag indicates L:Lock, R:Remove or N:Normal, Type is a 'C' or 'R', indicating that # is the internal entry number of a Category or a Reminder.

*Parameter:*

ORQQPX COVER SHEET REMINDERS

*Precedence:*

User, Location, Service, Division, Package, System

*Values:*

Free text

### **Use New Reminders Parameters**

This parameter indicates if the New Cover Sheet Reminders should be used.

*Parameter:*

ORQQPX NEW REMINDERS PARAMS

*Precedence:*

User, Service, Division, System, Package

*Values:*

0 – No

1 – Yes

### **List of Cover Sheet Reports**

This parameter allows a custom view of the Cover Sheet in the CPRS GUI.

*Parameter:*

ORWCV1 COVERSHEET LIST

*Precedence:*

System, User, Package, Division

*Values:*

Pointer

### **Cover Sheet Retrieval Mode**

This parameter controls whether each cover sheet section is loaded in the foreground or background.

*Parameter:*

ORWOR COVER RETRIEVAL

*Precedence:*

System, Package

*Values:*

|   |                 |
|---|-----------------|
| P | Problem List    |
| C | CWAD (Postings) |
| M | Medications     |
| R | Reminders       |
| L | Lab Results     |
| V | Vitals          |
| E | Encounters      |

### **Coversheet List**

This parameter allows customization of the Cover Sheet with sequencing. Templates: ORQQ SEARCH RANGE (USER); ORQQ SEARCH RANGE (SYSTEM).

*Parameter:*

ORWCV1 COVERSHEET LIST

*Precedence:*

User, Division, System, Package

*Values:*

### **Cover Retrieval**

This parameter replaces the parameter ORWOR COVER RETRIEVAL, which worked off a set of codes. The new parameter uses the new file OE/RR Reports (#101.24). Templates: ORQQ SEARCH RANGE (SYSTEM).

*Parameter:*

ORWOR COVER RETRIEVAL NEW

*Precedence:*

Division, System, Package

**Clinical Reminders for Search**

Returns an array of clinical reminders for a patient which can then be used for searches and displays similar to the way they are used in Health Summary.

*Parameter:*

ORQQPX SEARCH ITEMS

*Precedence:*

User, Location, Service, Division, System, Package

*Values:*

Sequence of Clinical Reminders (file 811.9)

**Inpatient Lab Number of Days to Display**

The number of days backwards in time to search for lab orders/results. If not indicated, the default period of 2 days will be used. The maximum number of days is 100,000 or about 220 years for inpatients.

*Parameter:*

ORQQLR DATE RANGE INPT

*Precedence:*

User, Location, Service, Division, System, Package

*Values:*

Number of days

**Outpatient Lab Number of Days to Display**

The number of days backwards in time to search for lab orders/results. If not indicated, the default period of 30 days will be used. The maximum number of days is 100,000 or about 220 years for outpatients.

*Parameter:*

ORQQLR DATE RANGE OUTPT

*Precedence:*

User, Service, Division, System, Package

*Values:*

Number of days

### **Visit Search Start Date**

**NOTE: This parameter is no longer used in CPRS. The parameter ORQQEAPT ENC APPT START now controls how many days in the past CPRS searches to display visits on the Encounter form.**

Returns the relative date to start listing visits for a patient. For example, 'T-90' will list visits beginning 90 days before today.

#### *Parameter:*

ORQQVS SEARCH RANGE START

#### *Precedence:*

User, Service, Division, System, Package

#### *Values:*

Free Text (formatted)

### **Appointment Search Stop Date**

**NOTE: This parameter is no longer used in CPRS. The parameter ORQQCSDR CS RANGE START now controls how many days back CPRS searches to display appointments, visits, and admissions on the Cover Sheet.**

Returns the relative date to end listing visits for a patient. For example, 'T' will not list visits later than today. 'T+30' will not list visits after 30 days from now.

#### *Parameter:*

ORQQAP SEARCH RANGE STOP

#### *Precedence:*

User, Service, Division, System, Package

#### *Values:*

Free Text (formatted)

### **Cover Sheet Visit Range Start**

Returns the relative date to start listing visits for a patient on the Cover Sheet. For example, 'T-90' will list visits beginning 90 days before today.

#### *Parameter:*

ORQQCSDR CS RANGE START

#### *Precedence:*

User, Service, Division, System, Package

#### *Values:*

Free Text

### **Cover Sheet Visit Range Stop**

Returns the relative date to stop listing visits for a patient on the Cover Sheet. For example, 'T+2' will list visits ending two days from today.

#### *Parameter:*

ORQQCSDR CS RANGE STOP

#### *Precedence:*

User, Service, Division, System, Package

#### *Values:*

Free Text

## Problem List

### **Suppress Codes in Lexicon Problem Search**

This parameter determines whether the user will be shown SNOMED CT and ICD codes when searching for patient problems.

*Parameter:*

ORQQPL SUPPRESS CODES

*Precedence:*

User, Service, Division, System, Package

*Value:*

yes/no

## Notes / Encounter

### **Anytime Encounters**

This parameter allows encounter data to be entered at any time, even when a note is not being edited.

*Parameter:*

ORWPCE ANYTIME ENCOUNTERS

*Precedence:*

User, Service, Division, System

*Values:*

0 – No

1 – Yes

### **Enc Appt Range Start Offset**

Returns the relative number of days before Today to begin listing appointments (0=Today, 1=Today-1 Day, etc.).

*Parameter:*

ORQQEAPT ENC APPT START

*Precedence:*

User, Service, Division, System, Package

*Values:*

Numeric

### **Enc Appt Range Stop Offset**

Returns the relative number of days from Today to stop listing appointments (0=Today, 1=Today+1 Day, etc.).

*Parameter:*

ORQQEAPT ENC APPT STOP

*Precedence:*

User, Service, Division, System, Package

*Values:*

Numeric



**Future Days Limit For PCE Selection**

Number of days from Today when warning is given to user upon selection of a future appointment for Encounters.

*Parameter:*

ORQQAFL ENC APPT FUTURE LIMIT

*Precedence:*

System, Package, Division

*Values:*

Numeric

**Disable Automatic Checkout**

This parameter disables the automatic checkout of encounters that do not have diagnosis, procedure, or provider information

*Parameter:*

ORWPCE DISABLE AUTO CHECKOUT

*Precedence:*

User, Location, Service, Division, System

*Values:*

0 – No

1 – Yes

**Disable Auto Visit Type**

When set to “Yes,” this parameter prevents the automatic selection of a Type of Visit on the Visit tab of the Encounter form.

*Parameter:*

ORWPCE DISABLE AUTO VISIT TYPE

*Precedence:*

User, Location, Service, Division, System

*Values:*

0 – No

1 – Yes

**Note:** Normally, when first entering the Visit Type tab of the encounter form, the first Type of Visit defined for that encounter location is automatically selected. For some clinics that see a wide variety of different patient types, this behavior leads to user error where the wrong type of visit is selected. The ORWPCE DISABLE AUTO VISIT TYPE parameter can be set to force the selection of a Type of Visit before allowing selection of an E&M code.

### **Excluded Exams**

This parameter contains exams that are excluded from the list of Other Exams displayed in the Encounter form.

*Parameter:*

ORWPCE EXCLUDED EXAMS

*Precedence:*

User, Location, Service, Division, System, Package

*Values:*

Pointer

### **Excluded Health Factors**

This parameter contains health factors that are excluded from the list of Other Health Factors displayed in the Encounter form.

*Parameter:*

ORWPCE EXCLUDE HEALTH FACTORS

*Precedence:*

User, Location, Service, Division, System, Package

*Values:*

Pointers

### **Excluded Immunizations**

This parameter contains immunizations that are excluded from the list of Other Immunizations displayed in the Encounter form.

*Parameter:*

ORWPCE EXCLUDE IMMUNIZATIONS

*Precedence:*

User, Location, Service, Division, System, Package

*Values:*

Sequence number

### **Excluded Patient Education Topics**

This parameter contains patient education topics that are excluded from the list of Other Education Topics displayed in the Encounter form.

*Parameter:*

ORWPCE EXCLUDE PATIENT ED

*Precedence:*

User, Location, Service, Division, System, Package

*Values:*

Pointer

### **Excluded Skin Tests**

This parameter contains skin tests that are excluded from the lists of Other Skin Tests displayed in the Encounter form.

*Parameter:*

ORWPCE EXCLUDE SKIN TESTS

*Precedence:*

User, Location, Service, Division, System, Package

*Values:*

Numeric sequence representing skin test

### **OR GROUP NOTES LOCATIONS**

This parameter enables sites to specify for which locations authorized users can write group notes. Specifying locations is a security feature to help ensure that group notes are not written for inappropriate uses. The parameter stores pointers to a location in the Hospital Location file (File #44).

*Parameter:*

OR GN LOCATIONS

*Precedence:*

Division, System, Package

*Value:*

Pointer

### **Verify Note Title**

If this parameter is set to YES, the window that allows the user to change a note title will appear whenever the user starts to enter a new note, even if they have a default title. If the parameter is set to NO, -and- the user has a default title, that title will be automatically loaded when a new note is entered.

*Parameter:*

ORWOR VERIFY NOTE TITLE

*Precedence:*

User, Division, System, Package

*Values:*

Yes/No

### **Show Unresolved Consults**

If this parameter is set to YES, when starting a new note, a check will be made to determine if the current patient has pending, active or scheduled consult requests that the current user is authorized to complete/update. If any are found, a dialog will be displayed asking if the user would like to see a list of these consults. If this parameter is set to 'no', the dialog will not be displayed. Clicking "YES" will display the note title selection screen with unresolved consults listed below. Clicking "IGNORE" will proceed to the same title selection screen as if writing a progress note, and not display the consults. The exported PACKAGE value for this new parameter is to display the message (YES).

#### *Parameter:*

ORWOR SHOW CONSULTS

#### *Precedence:*

User, Division, System, Package

#### *Values*

Yes/No

### **Interval for Autosave of Notes**

This parameter determines how many seconds should elapse between each auto-save of a note that is being edited in the GUI.

#### *Parameter:*

ORWOR AUTOSAVE NOTE

#### *Precedence:*

User, System, Package

#### *Values:*

Number of seconds

### **Ask Encounter Update**

When signing a note in the CPRS GUI, this parameter is used to determine under what conditions to request the user enter encounter information. Note that encounter data is never required for inpatients.

- 0 User is the Primary Encounter Provider, and Encounter Data is Needed
- 1 User is the Primary Encounter Provider, and Patient is an Outpatient
- 2 User is the Primary Encounter Provider
- 3 Encounter Data is Needed
- 4 Patient is an Outpatient
- 5 Always

#### *Parameter:*

ORWPCE ASK ENCOUNTER UPDATE

#### *Precedence:*

User, Location, Service, Division, System, Package

#### *Values:*

- 0 Primary/Data Needed
- 1 Primary/Outpatient
- 2 Primary Always
- 3 Data Needed
- 4 Outpatient
- 5 Always

### **Force PCE Entry**

This parameter is used in the CPRS GUI to determine if PCE encounter information must be entered when required for a note.

#### *Parameter:*

ORWPCE FORCE PCE ENTRY

#### *Precedence:*

User, Location, Service, Division, System, Package

#### *Values:*

Yes/No

## **Reports**

### **List of Lab Reports**

This parameter allows a custom list of reports, with sequencing, on the Labs tab.

#### *Parameter:*

ORWRP REPORT LAB LIST

#### *Precedence:*

System, User, Package, Division

#### *Values:*

Numeric sequence of reports

**List of Reports**

This parameter allows a custom list of reports, with sequencing, on the Reports tab.

*Parameter:*

ORWRP REPORT LIST

*Precedence:*

System, User, Package, Division

*Values:*

Numeric sequence of reports

**Allow Remote Data Access**

Allows access to remote patient data.

*Parameter:*

ORWRP CIRN REMOTE DATA ALLOW

*Precedence:*

User, Division, System, Package

*Values:*

Yes/No

**Remote Access Allowed**

Allows remote access to this site. Enter the institutions allowed for remote data.

*Parameter:*

ORWRP CIRN SITES

*Precedence:*

Division System

*Values:*

Yes/No on Institutions (file 4)

**Allow Remote Data Access to All Sites**

Allow remote data access to all sites.

*Parameter:*

ORWRP CIRN SITES ALL

*Precedence:*

Division, System

*Values:*

Yes/No

### **List All Health Summary Types**

This parameter overrides the ORWRP HEALTH SUMMARY TYPE LIST by making all health summary types available, in alphabetic order.

*Parameter:*

ORWRP HEALTH SUMMARY LIST ALL

*Precedence:*

User, Division, System

*Values:*

Yes/No

### **Allowable Health Summary Types**

Health Summary types that may be displayed by the CPRS GUI should be entered here. Only health summaries that do no additional prompting may be selected (i.e., all time and occurrence limits must be already defined). The exception to this is the Ad hoc Health Summary (GMTS HS ADHOC OPTION). The Ad hoc is a special case that is handled by the GUI.

*Parameter:*

ORWRP HEALTH SUMMARY TYPE LIST

*Precedence:*

User, System

*Values:*

Sequence of Health Summary Types (file 142)

### **Adhoc Health Summary Lookup**

This parameter determines the lookup used to populate the Adhoc Health Summary types in CPRS Report Tab when an Adhoc report is requested.

*Parameter:*

ORWRP ADHOC LOOKUP

*Precedence:*

User, Division, System, Package

*Value Data Type:*

Set of Codes

### **Default time/occ for all reports**

This parameter sets a default for all reports found on the Reports tab. Individual values of this parameter, for each report can be set by editing the parameter ORWRP TIME/OCC LIMITS ALL.

*Parameter:*

ORWRP TIME/OCC LIMITS ALL

*Precedence:*

User, Division, System, Package

*Values:*

Free text

### **Report Time & occurrence limits**

This parameter sets the default time and occurrence limits for reports found on the Reports tab.

*Parameter:*

ORWRP TIME/OCC LIMITS INDV

*Precedence:*

User

*Values:*

Free text

## **Surgery**

### **Show Surgery Tab in GUI**

This parameter determines if the Surgery tab is visible.

*Parameter:*

ORWOR SHOW SURGERY TAB

*Precedence:*

User, Division, System, Package

*Values:*

0, 1

### **Surgery Tab Context**

This parameter determines the current view context for the Surgery tab.

*Parameter:*

ORCH CONTEXT SURGERY

*Precedence:*

User, System, Package

*Values:*

Free Text



## Graphing

### **CPRS Graph Exclude Data Types**

DESCRIPTION: Used to exclude data types from being used by graphing. Value is semicolon delimited list of files to be excluded.

*Parameter:*

ORWG GRAPH EXCLUDE DATA TYPE

*Precedence:*

System, Division, Package, Service, User

*Values:*

Free text

### **CPRS Graph Position and Sizes**

This parameter is used internally to save positions of graph forms.

*Parameter:*

ORWG GRAPH SIZING

*Precedence:*

User, Package

*Values:*

Free Text

### **CPRS Graph Public Editor Classes**

This parameter contains a list of ASU user classes whose members are allowed to edit public views and settings for graphs. Users that belong to the user class for a specific entity have this authority.

For example:

| <b><u>Parameter</u></b> | <b><u>Instance</u></b> | <b><u>Value</u></b>  |
|-------------------------|------------------------|----------------------|
| SYS: VASITE.MED.VA.GOV  | 2                      | CLINICAL COORDINATOR |

This provides Technical Users and Clinical Coordinators on this system with access to edit public views and settings on graphs.

*Parameter:*

ORWG GRAPH PUBLIC EDITOR CLASS

*Precedence:*

System

*Values:*

Pointer

### **CPRS Graph Settings**

Used as preference of graph default styles and sources. Deletion of this value at the Package level will disable graphing. User settings and public default should use the Graph Settings dialog to change these values. The structure of this parameter is a | delimited | string where the pieces are:

- 1 - file listing delimited by ;
- 2 - options where the corresponding letter activates that feature
- 3 - sort column number (used internally)
- 4 - max graphs
- 5 - min graph height
- 6 - (not used)
- 7 - max selection
- 8 - max selection limit (may be set to at system level to limit number of items that users may select for graphing—default is 1000)

#### **Files:**

Admissions - 405, Allergies - 120.8, Anatomic Pathology - 63AP, Blood Bank - 63BB, Exams - 9000010.13, Health Factors - 9000010.23, Immunizations - 9000010.11, Lab Tests - 63, Medication, BCMA - 53.79, Medication, Inpatient - 55, Medication, Non-VA - 55NVA, Medication, Outpatient - 52, Medicine - 690, Mental Health - 601.2, Microbiology - 63MI, Notes - 8925, Orders - 100, Patient Education - 9000010.16, Problems - 9000011, Procedures - 9000010.18, Purpose of Visit - 9000010.07, Radiology Exams - 70, Registration, DX - 45DX, Registration, OP/Proc - 45OP, Skin Tests - 9000010.12, Surgery - 130, Visits - 9000010, Vitals - 120.5

#### **Also (for grouping):**

Drug Class - 50.605, Reminder Taxonomy - 811.2

#### **Options:**

A - 3D, B - Clear Background, C - Dates, D - Gradient, E - Hints, F - Legend, G - Lines, H - Sort by Type, I - Stay on Top, J - Values, K - Zoom, Horizontal, L - Zoom, Vertical, M - Fixed Date Range

#### **Parameter:**

ORWG GRAPH SETTING

#### **Precedence:**

User, Package, System

#### **Values:**

Free text

### **CPRS Graph Views**

This parameter is used internally to store graph views. Graph views are edited using the Define Views dialog.

*Parameter:*

ORWG GRAPH VIEW

*Value:*

Word processing

*Precedence:*

User, System

## Appendix E - Parameters By Name

### OR ADD ORDERS MENU

---

DISPLAY TEXT: Add New Orders

VALUE TERM: Add Order Menu Default

VALUE DATA TYPE: pointer

VALUE DOMAIN: 101.41

VALUE HELP: Enter the preferred menu of orders to select from when adding orders

DESCRIPTION: This defines the preferred menu to select from when adding new orders, typically containing package ordering dialogs, quick (pre-answered) orders, or sub-menus.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 4      ENTITY FILE: LOCATION

PRECEDENCE: 7      ENTITY FILE: SYSTEM

PRECEDENCE: 9      ENTITY FILE: PACKAGE

PRECEDENCE: 6      ENTITY FILE: DIVISION

PRECEDENCE: 5      ENTITY FILE: SERVICE

### OR ADMIN TIME HELP TEXT

---

DISPLAY TEXT: CPRS Administration Times Help Text

VALUE TERM: CPRS Administration Times Help Text

VALUE DATA TYPE: word processing

PRECEDENCE: 6      ENTITY FILE: SYSTEM

### OR ALLERGY ENTERED IN ERROR

---

DISPLAY TEXT: Mark allergy/adr as entered in error

VALUE TERM: Allow marking entry as entered in error

VALUE DATA TYPE: yes/no

VALUE HELP: Enter YES if user should be allowed to use the entered in error functionality

DESCRIPTION: This parameter will control whether or not a user has access to the entered in error functionality available on the cover sheet in CPRS GUI.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: CLASS

PRECEDENCE: 3      ENTITY FILE: DIVISION

PRECEDENCE: 4      ENTITY FILE: SYSTEM

## OR BILLING AWARENESS BY USER

---

DISPLAY TEXT: Enable Billing Awareness by User

VALUE TERM: Enable Billing Awareness By User

VALUE DATA TYPE: Set of codes

VALUE DOMAIN: 0:NO;1:YES

VALUE HELP: Enter 1 to enable Billing Awareness for the Clinician or enter 0 to disable

DESCRIPTION: This parameter enables the entry of Billing Awareness data in the sign order CPRS window if value is set to 1. Otherwise the Clinician will not be required to enter Billing Awareness data if value is set to 0.

PRECEDENCE: 1      ENTITY FILE: USER

## OR AUTORENEWAL USER

---

DISPLAY TEXT: CPRS AUTO-RENEWAL USER DUZ

MULTIPLE VALUED: No

INSTANCE TERM: USER ID

VALUE TERM: CPRS AUTO-RENEWAL USER ID

VALUE DATA TYPE: pointer

VALUE DOMAIN: 200

**Note:** This parameter is only for sites using auto-renewal with an automated telephone renewal system. Each site enters a value that points to a proxy user that the site has created. At sites implementing auto-renewal, the auto-renewal process uses this value to populate the 'entered by' value in the ORDERS (#100) file. Because every renewal order will have the same proxy user in the "entered by" value, providers can easily identify that a prescription renewal was processed from AudioRENEWAL. Normally, this parameter is only set once.

VALUE HELP: Enter the DUZ of the ID to be used for auto-renewals.

INSTANCE DATA TYPE: pointer

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## OR CLOZ INPT MSG

---

DISPLAY TEXT: Msg To Display On Inpt Ord Of Clozapine

MULTIPLE VALUED: No

INSTANCE TERM: Free Text

VALUE TERM: MSG TO DISPLAY ON INPT ORD OF CLOZAPINE

VALUE DATA TYPE: word processing

VALUE HELP: Enter a message to display when an Inpat. Order of Clozapine is made

INSTANCE DATA TYPE: free text

DESCRIPTION: This parameter allows sites to set what text they would like for users to see when an inpatient order of Clozapine is made. This drug is generally ordered in an outpatient setting and thus is subject to the special order appropriateness checks. However, when ordered in an inpatient setting these checks are not done. Thus, sites should determine a policy to handle this and provide instructions to users based on that policy.

**Note:** The above text is what is found in the parameter description. A clarification to this text will be included in the next build of CPRS. The parameter description should read as follows:

Clozapine is usually prescribed in an outpatient setting, but it can be ordered for inpatients. However, the special appropriateness order checks that occur when finishing in the backdoor Outpatient Pharmacy setting do not occur in the finishing process in backdoor Inpatient Pharmacy. In addition, backdoor Outpatient Pharmacy sends the clozapine information to the National Clozapine Coordinating Center (NCCC) database. Some sites have directed the ordering provider to place a corresponding outpatient order when placing an inpatient clozapine order. The sites that have this policy can use the new OR CLOZ INPT MSG parameter to help reinforce this policy to the ordering providers.

PRECEDENCE: 6

ENTITY FILE: SYSTEM

## OR DC GEN ORD ON ADMISSION

---

DISPLAY TEXT: DC Generic Orders on Admission

VALUE TERM: DC GENERIC ORDERS ON ADMISSION

VALUE DATA TYPE: yes/no

VALUE HELP: Enter YES to have a patient's active generic orders discharged on admission.

DESCRIPTION: This parameter controls the discharging of generic orders (orders that are not transmitted to any ancillary service for action) when a patient is admitted. If set to YES, then generic orders are discharged whenever a patient is admitted to the hospital; if empty or set to NO, no automatic discharging will take place on admission.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## OR DC ON SPEC CHANGE

---

DISPLAY TEXT: DC on Specialty Change

MULTIPLE VALUED: Yes

INSTANCE TERM: PACKAGE

VALUE DATA TYPE: set of codes

VALUE DOMAIN: 1:YES

VALUE HELP: Enter YES if orders to this package are to be auto-discharged on a specialty change.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 9.4

INSTANCE HELP: Select a package whose orders are to be auto-discharged on a specialty change.

DESCRIPTION: This parameter contains a list of packages whose orders are to be automatically discontinued by CPRS when a patient's treating specialty changes. If the 'DC Generic Orders on Transfer' parameter is set to WARD LOCATION or NONE, this parameter will be ignored.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## OR DC REASON LIST

---

DISPLAY TEXT: DC Reason Sequence

MULTIPLE VALUED: Yes

INSTANCE TERM: Display Sequence

VALUE DATA TYPE: Pointer

VALUE DOMAIN: 100.03

VALUE HELP: Enter the sequence you want the order DC reason to appear.

INSTANCE DATA TYPE: numeric

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## OR DEA PIV LINK MSG

---

DISPLAY TEXT: Msg to show after DEA PIV link

MULTIPLE VALUED: No

INSTANCE TERM: FREE TEXT

VALUE TERM: PIV Link Message after success

VALUE DATA TYPE: word processing

INSTANCE DATA TYPE: free text

DESCRIPTION: This parameter determines the information that is displayed on the popup dialog that is presented to the user after successfully linking their PIV card to their VISTA account. Information about contacting an administrative personnel should be included here if they are still unable to prescribe controlled substance orders and believe they should have that ability.

PRECEDENCE: 6      ENTITY FILE: PACKAGE

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 4      ENTITY FILE: DIVISION

## OR FLAGGED ORD REASONS

---

DISPLAY TEXT: List of generic Flag reasons

MULTIPLE VALUED: Yes

INSTANCE TERM: sequence

VALUE TERM: Reason

VALUE DATA TYPE: free text

VALUE DOMAIN: 0:80

VALUE HELP: Enter a generic reason for flagging an order (1-80 characters)

KEYWORD: flag

INSTANCE DATA TYPE: numeric

INSTANCE DOMAIN: 0:999:0

INSTANCE HELP: Enter the sequence in which the reason should appear in the displayed list

DESCRIPTION: This parameter allows sites to enter generic reason's for flagging orders that the users can choose in the CPRS GUI.

PRECEDENCE: 1      ENTITY FILE: SYSTEM



## OR GN LOCATIONS

---

DISPLAY TEXT: OR Group Notes Locations

VALUE TERM: Select a location for GroupNotes

VALUE DATA TYPE: pointer

VALUE DOMAIN: 44

VALUE HELP: Enter a location that will be used for Group Notes

DESCRIPTION: This parameter enables sites to specify for which locations authorized users can write group notes. Specifying locations is a security feature to help ensure that group notes are not written for inappropriate uses. The parameter stores pointers to a location in the Hospital Location file (File #44).

PRECEDENCE: 3

ENTITY FILE: PACKAGE

PRECEDENCE: 2

ENTITY FILE: SYSTEM

PRECEDENCE: 1

ENTITY FILE: DIVISION

## OR LAPSE ORDERS

---

DISPLAY TEXT: Lapse Unsigned/Unreleased Order By Group

VALUE TERM: Number Of Days

VALUE DATA TYPE: numeric

VALUE DOMAIN: 1:999

VALUE HELP: Enter the number of days to keep unsigned/unreleased orders before lapsing them.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 100.98

INSTANCE HELP: Enter a display group.

DESCRIPTION: The purpose of this parameter is to store the number of days that old orders will be lapsed. This parameter is multi valued with an instance term of DISPLAY GROUPS. Thus the way it works is that you can set "Display Group A" so that old orders from this display group will lapse in 10 days for instance. Then you could have "Display Group B" set so that those orders would lapse when they are 20 days old. Display groups not individually set by this parameter are affected by the OR LAPSE ORDERS DFLT parameter.

By lapsing, it is meant that the order is placed in a LAPSED status. Also see the description for parameter OR LAPSE ORDERS DFLT.

PRECEDENCE: 5      ENTITY FILE: DIVISION

PRECEDENCE: 10     ENTITY FILE: SYSTEM

## OR LAPSE ORDERS DFLT

---

DISPLAY TEXT: Lapse Unsigned/Unreleased Order Default

VALUE TERM: Number of days

VALUE DATA TYPE: numeric

VALUE DOMAIN: 1:999

VALUE HELP: Enter the number of days to keep unsigned/unreleased orders before lapsing them.

DESCRIPTION: The purpose of this parameter is to store the number of days that old orders will be lapsed when those orders are from a DISPLAY GROUP that does not have parameter OR LAPSE ORDERS set. The default value that is set in this parameter will affect all orders that do not have a specific DISPLAY GROUP value. Thus if both "Display Group A" and "Display Group B" have parameter OR LAPSE ORDERS set for them but "Display Group C" does not, then orders from "Display Group C" will get lapsed in the number of days specified in OR LAPSE ORDERS DFLT.

PRECEDENCE: 10      ENTITY FILE: SYSTEM

PRECEDENCE: 5      ENTITY FILE: DIVISION

## **OR ORDER REVIEW DT**

---

DISPLAY TEXT: Last Date/Time User Review Pt Orders

MULTIPLE VALUED: Yes

VALUE DATA TYPE: date/time

VALUE DOMAIN: ::T

VALUE HELP: Enter the date/time the user reviewed this patient's orders.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 2

INSTANCE HELP: Enter the patient whose orders were reviewed.

DESCRIPTION: Date/time this user last review the patient's orders.

PRECEDENCE: 1      ENTITY FILE: USER

## **OR ORDER SUMMARY CONTEXT**

---

DISPLAY TEXT: Order Summary Context

VALUE TERM: ORDER SUMMARY CONTEXT

VALUE DATA TYPE: set of codes

VALUE DOMAIN: 0:ORDER DATE;1:START DATE;2:START DATE PLUS  
ACTIVITY

VALUE HELP: 0=based on order date, 1=based on start date, 2=start date plus any  
activity

DESCRIPTION: A value of 0 will print all orders with ORDER dates within the selected  
date range. A value of 1 will print all orders with START dates within the selected date  
range. A value of 2 will print all orders with START dates and orders with any  
ACTIVITY within the selected date range.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **OR ORDER TEXT CONVERSION**

---

DISPLAY TEXT: Order Number

VALUE TERM: ORDER NUMBER

VALUE DATA TYPE: numeric

VALUE DOMAIN: 1:999999999:2

VALUE HELP: Enter the number of the order just processed in the conversion.

DESCRIPTION: This parameter tracks the progress of the Order Text conversion job,  
queued off by the post-init for patch OR\*3\*92.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **OR OREMAS MED ORDERS**

---

DISPLAY TEXT: Allow Clerks to act on Med Orders

VALUE TERM: ALLOW CLERKS TO ACT ON MED ORDERS

VALUE DATA TYPE: set of codes

VALUE DOMAIN: 0:NO;1:UNRELEASED ONLY;2:YES

VALUE HELP: Enter 1 to allow clerks to enter med orders only or 2 to permit release as well

DESCRIPTION: This parameter determines if clerks (i.e. users holding the OREMAS key) are allowed to act on medication orders. If set to YES, a clerk may enter new medication orders or DC these medication orders. Inpatient orders may be released to the Pharmacy as 'Signed on Chart'. Outpatient orders will require the physician's signature. If set to UNRELEASED ONLY, a clerk may only enter unreleased orders for both Inpatient and Outpatient. If set to NO, a clerk is completely prohibited from handling medication orders.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **OR OREMAS NON-VA MED ORDERS**

---

DISPLAY TEXT: Allow Clerks to act on Non-VA Med Orders

VALUE TERM: ALLOW CLERKS TO ACT ON NON-VA MED ORDERS

VALUE DATA TYPE: set of codes

VALUE DOMAIN: 0:NO;2:YES

VALUE HELP: Enter 0 to prevent clerk entry of non-VA meds, 2 to permit sending to Pharmacy as well

DESCRIPTION:

This parameter determines if clerks (i.e. users holding the OREMAS key) are allowed to act on non-VA med orders. Enter YES to permit a clerk to enter new or DC non-VA med orders and send them to Pharmacy for reports and order checks. To prohibit clerks from handling non-VA med orders entirely, select NO.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **OR PRINT ALL ORDERS CHART SUM**

---

DISPLAY TEXT: Print All orders on Chart Summary

VALUE TERM: PRINT ALL ORDERS ON CHART SUMMARY

VALUE DATA TYPE: set of codes

VALUE DOMAIN: 0:PREVIOUSLY PRINTED;1:ALL;2:DEPENDS ON NATURE OF ORDER

VALUE HELP: 0=previously printed, 1=All, 2=depends on Nature of Order

DESCRIPTION: A value of 1 in this parameter will print all orders on the 24 Hour chart summary report options. A value of 0 will only print orders that originally printed a chart copy. This is the default value for this parameter. Some sites have had problems with this value, because the Chart Copy Summary may be different from the Order Summary report, which prints all orders. Some orders don't print a chart copy automatically, because of the nature of order the order was given when entered, or because the location from which the order was entered, may not have been setup for printing. A value of 2 will look at the Nature of Order file to determine if the order should print on the summary report.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **OR PRINT NO ORDERS ON SUM**

---

DISPLAY TEXT: Print 'NO ORDERS' on summary

VALUE TERM: PRINT 'NO ORDERS' ON SUMMARY

VALUE DATA TYPE: yes/no

VALUE HELP: Enter YES to print 'NO ORDERS' page, NO to skip patient

DESCRIPTION: A value of YES in this parameter will print a page showing 'No Orders' on an order summary if no orders exists for the patient within the specified parameters. A value of NO in this parameter will just skip the patient, printing nothing when no orders exist for the patient within the specified parameters.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## OR RA RFS CARRY ON

---

DISPLAY TEXT: OR RA RFS CARRY ON

MULTIPLE VALUED: No

VALUE DATA TYPE: yes/no

VALUE HELP: Enter yes or no for whether to carry on the value of Reason for Study

DESCRIPTION: This value will determine if CPRS will carry on the text entered in the Reason for Study field of the Radiology (Imaging) order dialog. By carry on, it is meant that when one order is entered the value entered in the Reason for Study field will be held and used again in subsequent Radiology orders.

PRECEDENCE: 3

ENTITY FILE: SERVICE

PRECEDENCE: 1

ENTITY FILE: USER

PRECEDENCE: 7

ENTITY FILE: DIVISION

PRECEDENCE: 9

ENTITY FILE: SYSTEM

PRECEDENCE: 11

ENTITY FILE: PACKAGE

## OR RADIOLOGY ISSUES

---

DISPLAY TEXT: CPRS RADIOLOGY ISSUES MAIL GROUP

MULTIPLE VALUED: No

INSTANCE TERM: MAIL G

VALUE TERM: CPRS RADIOLOGY MAIL GROUP

PROHIBIT EDITING: No

VALUE DATA TYPE: free text

VALUE HELP: Enter the Mail Group to be used to report Radiology issues.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 3.8

PRECEDENCE: 1

ENTITY FILE: SYSTEM

## OR RDI CACHE TIME

---

DISPLAY TEXT: RDI CACHE TIME

VALUE TERM: RDI CACHE TIME

VALUE DATA TYPE: numeric

VALUE DOMAIN: 0:9999

VALUE HELP: Length of time RDI should cache HDR data for order checking

DESCRIPTION: This parameter enables sites to determine the amount of time data will be cached and considered valid for ordering checking before that data would need to be refreshed. The value is in minutes and can be set from 0 to 9999.

PRECEDENCE: 0      ENTITY FILE: SYSTEM

**Note:** To edit the values of these parameters, users must use the OR RDI PARAMS menu. Users will not be able to use the general parameter editing menu options, such as XPAR EDIT.

## OR RDI HAVE HDR

---

DISPLAY TEXT: RDI HAVE HDR

VALUE TERM: RDI HAVE HDR

VALUE DATA TYPE: yes/no

VALUE HELP: DOES THIS SYSTEM HAVE AN HDR

DESCRIPTION: The value in this parameter shows if a Health Data Repository exists from which remote data from other VHA facilities and Department of Defense medical facilities may be retrieved. This parameter supports the VistAOffice application that can work as a stand-alone application.

PRECEDENCE: 0      ENTITY FILE: SYSTEM

**Note:** VistaOffice is a third-party version of VistA that can be used by private medical offices and other Non-VA institutions. RDI has not been tested in these settings, but the feature was included because VistA is used by other entities than the VA.

**Note:** To edit the values of these parameters, users must use the OR RDI PARAMS menu. Users will not be able to use the general parameter editing menu options, such as XPAR EDIT.

## OR SIGNATURE DEFAULT ACTION

---

DISPLAY TEXT: Signature Default Action

VALUE TERM: SIGNATURE DEFAULT ACTION

VALUE DATA TYPE: set of codes

VALUE DOMAIN: OC:Signed on Chart;RS:Release w/o Signature;

VALUE HELP: Enter the desired default signature action for ORELSE key holders

DESCRIPTION: This defines the default action presented to ORELSE key holders when signing and/or releasing orders; if no value is entered, then 'Release w/o Signature' will be used.

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 9      ENTITY FILE: PACKAGE

## OR SIGNED ON CHART

---

DISPLAY TEXT: Signed on Chart Default

VALUE TERM: SIGNED ON CHART DEFAULT

VALUE DATA TYPE: set of codes

VALUE DOMAIN: 1:YES;0:NO;

VALUE HELP: Enter the desired default to the 'Signed on Chart?' prompt

DESCRIPTION: This defines the default value to be presented when the user gets the prompt to mark orders as Signed on Chart; if no value is entered, then NO is used as the default.

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 9      ENTITY FILE: PACKAGE



## OR UNSIGNED ORDERS ON EXIT

---

DISPLAY TEXT: Unsigned Orders View on Exit

VALUE TERM: UNSIGNED ORDERS VIEW ON EXIT

VALUE DATA TYPE: set of codes

VALUE DOMAIN: 0:NEW ORDERS ONLY;1:MY UNSIGNED ORDERS;2:ALL UNSIGNED ORDERS;

VALUE HELP: Enter the unsigned orders view to present ORES key holders on exit

DESCRIPTION: This determines which unsigned orders view that holders of the ORES key will see when exiting a patient's chart; the Package default is to show My Unsigned Orders, i.e. all unsigned orders that the current user either placed or is the responsible provider for. This may also be set to list only those orders placed during the current session, or all unsigned orders for this patient regardless of provider.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 5      ENTITY FILE: DIVISION

PRECEDENCE: 7      ENTITY FILE: SYSTEM

PRECEDENCE: 9      ENTITY FILE: PACKAGE

PRECEDENCE: 3      ENTITY FILE: SERVICE

## OR USE MH DLL

---

DISPLAY TEXT: Use MH DLL?

MULTIPLE VALUED: No

INSTANCE TERM: SET OF CODES

VALUE TERM: Use MH DLL?

VALUE DATA TYPE: set of codes

VALUE DOMAIN: 0:NO;1:YES

VALUE HELP: Enter No to not use the MH DLL in a Reminder Dialog.

DESCRIPTION: This parameter allows sites to stop CPRS from using the MH DLL when processing a MH test in a Reminder Dialog.

The default for this parameter is Y. This parameter should only be set to N if the site is having problems with CPRS and the MH DLL.

PRECEDENCE: 6      ENTITY FILE: SYSTEM

**Note:** The parameter OR USE MH DLL has been removed from CPRS v.29 and will no longer be checked. Rather than asking if sites want to use the Mental Health DLLs, CPRS will only use the Mental Health DLLs to resolve reminders. If the DLLs are not present, CPRS will not proceed.

## OR VBECS COMPONENT ORDER

---

DISPLAY TEXT: List of Blood Components

MULTIPLE VALUED: Yes

INSTANCE TERM: Sequence

VALUE TERM: Blood Component

VALUE DATA TYPE: pointer

VALUE DOMAIN: 101.43

VALUE HELP: Select a Blood Component for VBECS

INSTANCE DATA TYPE: numeric

INSTANCE HELP: Enter the sequence in which the component should appear in the selection list

DESCRIPTION: This parameter allows a sequence to be assigned to Blood Components selectable from VBECS.

PRECEDENCE: 6      ENTITY FILE: PACKAGE

PRECEDENCE: 4      ENTITY FILE: SYSTEM

PRECEDENCE: 3      ENTITY FILE: DIVISION

PRECEDENCE: 2      ENTITY FILE: USER

## OR VBECS DIAGNOSTIC PANEL 1ST

---

DISPLAY TEXT: Show Diagnostic Panel 1st

MULTIPLE VALUED: No

VALUE TERM: SHOW DIAGNOSTIC PANEL 1ST

VALUE DATA TYPE: yes/no

VALUE HELP: Enter YES to show Diagnostic Panel left of Components

DESCRIPTION: This parameter will switch the location of the Diagnostic and Component panels on the VBECS Order Dialog. Set this parameter to YES to see the Diagnostic tests panel displayed on the left hand side of the display.

PRECEDENCE: 1      ENTITY FILE: DIVISION

PRECEDENCE: 2      ENTITY FILE: SYSTEM

PRECEDENCE: 3      ENTITY FILE: PACKAGE

## OR VBECS DIAGNOSTIC TEST ORDER

---

DISPLAY TEXT: List of Diagnostic Tests for VBECS

MULTIPLE VALUED: Yes

INSTANCE TERM: Sequence

VALUE TERM: Diagnostic Test

VALUE DATA TYPE: pointer

VALUE DOMAIN: 101.43

VALUE HELP: Select a Diagnostic Test for VBECS

VALUE SCREEN CODE: I \$P(\$G(^ORD(101.43,+Y,0)), "^", 2) ["99VBC"

INSTANCE DATA TYPE: numeric

INSTANCE DOMAIN: 1:99:2

INSTANCE HELP: Enter the sequence in which the test should appear in the selection list

DESCRIPTION: This parameter allows a sequence to be assigned to Diagnostic Tests selectable from VBECS.

PRECEDENCE: 6

ENTITY FILE: PACKAGE

PRECEDENCE: 4

ENTITY FILE: SYSTEM

PRECEDENCE: 3

ENTITY FILE: DIVISION

PRECEDENCE: 2

ENTITY FILE: USER

## OR VBECS ERROR MESSAGE

---

DISPLAY TEXT: Text for Network Error

MULTIPLE VALUED: No

VALUE TERM: Description

PROHIBIT EDITING: No

VALUE DATA TYPE: word processing

VALUE HELP: Enter text to be displayed when CPRS cannot communicate with VBECS.

DESCRIPTION: This parameter holds the text to be displayed when the VBECS order dialog is selected but the communication links between CPRS and VBECS are down. Site-specific directions for initiating blood bank orders are encouraged to be put here at the System or Division level.

PRECEDENCE: 9

ENTITY FILE: PACKAGE

PRECEDENCE: 7

ENTITY FILE: SYSTEM

PRECEDENCE: 5

ENTITY FILE: DIVISION

## OR VBECS LEGACY REPORT

---

DISPLAY TEXT: Show Legacy (VISTA) Blood Bank Report

VALUE TERM: Yes/No

VALUE DATA TYPE: yes/no

VALUE DOMAIN: Y:yes;N:no

VALUE HELP: Enter 'yes' to show Legacy Blood Bank Report

DESCRIPTION: 'Yes' will show the Legacy (VISTA) blood bank report after the VBECS blood bank report.

PRECEDENCE: 2

ENTITY FILE: DIVISION

PRECEDENCE: 3

ENTITY FILE: SYSTEM

PRECEDENCE: 1

ENTITY FILE: PACKAGE

## OR VBECS MODIFIERS

---

DISPLAY TEXT: List of Component Modifiers

MULTIPLE VALUED: Yes

INSTANCE TERM: Sequence

VALUE TERM: Modifier

VALUE DATA TYPE: free text

VALUE HELP: Enter a blood component modifier

INSTANCE DATA TYPE: numeric

INSTANCE HELP: Enter the sequence in which the modifier should appear in the selection list

DESCRIPTION: This parameter allows local configuration of the blood component modifiers.

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 10      ENTITY FILE: PACKAGE

## OR VBECS ON

---

DISPLAY TEXT: VBECS Functionality Site Enabled

VALUE TERM: Yes/No

VALUE DATA TYPE: yes/no

VALUE DOMAIN: Y:yes;N:no

VALUE HELP: Enter 'yes' to turn on VBECS at site.

DESCRIPTION: 'Yes' indicates that VBECS functionality is enabled.

PRECEDENCE: 2

ENTITY FILE: DIVISION

PRECEDENCE: 3

ENTITY FILE: SYSTEM

PRECEDENCE: 1

ENTITY FILE: PACKAGE

## OR VBECS REASON FOR REQUEST

---

DISPLAY TEXT: List of Reasons for Request

MULTIPLE VALUED: Yes

INSTANCE TERM: Sequence

VALUE TERM: Reason

VALUE DATA TYPE: free text

VALUE HELP: Enter a reason for request

INSTANCE DATA TYPE: numeric

INSTANCE HELP: Enter the sequence in which the reason should appear in the selection list

DESCRIPTION: This parameter allows local configuration of the Reasons for Request.

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 10     ENTITY FILE: PACKAGE

## OR VBECS REMOVE COLL TIME

---

DISPLAY TEXT: Remove Collection Time Default

MULTIPLE VALUED: No

VALUE TERM: REMOVE COLLECTION TIME

VALUE DATA TYPE: yes/no

VALUE HELP: Enter YES to remove the Collection Time Default

DESCRIPTION: This parameter can be used to remove any defaults for Collection Times in the VBECS Order Dialog. An entry of YES will set the default to null when using the VBECS Blood ordering dialog. Quick orders with a default defined in the quick order definition will not be affected by this parameter.

PRECEDENCE: 1

ENTITY FILE: DIVISION

PRECEDENCE: 2

ENTITY FILE: SYSTEM

PRECEDENCE: 3

ENTITY FILE: PACKAGE

## OR VBECS SUPPRESS NURS ADMIN

---

DISPLAY TEXT: Suppress Nursing Admin Prompt

VALUE TERM: Suppress Nursing Admin Prompt

VALUE DATA TYPE: yes/no

VALUE HELP: Enter 'Yes' if you wish to suppress the Nursing Admin Order Prompt

DESCRIPTION: This parameter disables the prompt/pop-up that tells the user they must enter a Nursing Administration Order manually after entering a VBECS Blood order. Disabling this feature is usually done when a Nursing Administration order has been created and added to a VBECS order set.

PRECEDENCE: 10

ENTITY FILE: PACKAGE

PRECEDENCE: 5

ENTITY FILE: SYSTEM

PRECEDENCE: 3

ENTITY FILE: DIVISION

## ORB ARCHIVE PERIOD

---

DISPLAY TEXT: Grace Period Before Deletion

MULTIPLE VALUED: Yes

INSTANCE TERM: Notification

VALUE DATA TYPE: numeric

VALUE DOMAIN: 0:100000:0

VALUE HELP: Enter the number of days to archive this notification before deletion.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 100.9

INSTANCE HELP: Enter the notification related to this archive period.

DESCRIPTION: The number of days to archive a notification for a site. If not indicated, the default period of 30 days is used. The maximum number of days is 100,000 or about 220 years. This value is passed to the Kernel Alert Utility where the actual archiving and deletion of alerts/notifications occurs.

PRECEDENCE: 1      ENTITY FILE: DIVISION

PRECEDENCE: 2      ENTITY FILE: SYSTEM

PRECEDENCE: 3      ENTITY FILE: PACKAGE

## ORB DEFAULT RECIPIENT DEVICES

---

DISPLAY TEXT: Notification Regular Recipient Devices

MULTIPLE VALUED: Yes

INSTANCE TERM: Notification

VALUE DATA TYPE: pointer

VALUE DOMAIN: 3.5

VALUE HELP: Enter device that will always receive the notification.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 100.9

INSTANCE HELP: Enter notification the device will always receive.

DESCRIPTION: Default recipient devices of a notification despite settings in parameter ORB PROCESSING FLAG. These devices will always receive the notification, regardless of patient.

PRECEDENCE: 1      ENTITY FILE: DIVISION

PRECEDENCE: 2      ENTITY FILE: SYSTEM

## ORB DEFAULT RECIPIENTS

---

DISPLAY TEXT: Notification Regular Recipients

MULTIPLE VALUED: Yes

INSTANCE TERM: Notification

VALUE DATA TYPE: yes/no

VALUE DOMAIN: Y:yes; N:no

VALUE HELP: Enter 'yes' if this person or team should always receive the notification.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 100.9

INSTANCE HELP: Enter the notification the regular recipient will always receive.

DESCRIPTION: Default user or team recipients of a notification despite settings in the parameter ORB PROCESSING FLAG. These users/teams will always receive the notification, regardless of patient.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: TEAM (OE/RR)

## ORB DELETE MECHANISM

---

DISPLAY TEXT: Delete Mechanism

MULTIPLE VALUED: Yes

INSTANCE TERM: Notification

VALUE DATA TYPE: set of codes

VALUE DOMAIN: I:Individual Recipient;A:All Recipients

VALUE HELP: Enter 'I' if deleted on individual review/action; 'A' for all recipients.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 100.9

INSTANCE HELP: Enter the notification related to the deletion.

DESCRIPTION: Set of codes used to determine how a notification will be deleted at a site. Codes include: I (Individual Recipient): delete the notification for an individual recipient when a) that individual completes the follow-up action on notifications with associated follow-up action, b) that individual reviews notifications without follow-up actions. A (All Recipients): delete the notification for all recipients when a) any recipient completes the follow-up action on notifications with follow-up actions, b) any recipient reviews notifications without follow-up actions.

PRECEDENCE: 1      ENTITY FILE: DIVISION

PRECEDENCE: 2      ENTITY FILE: SYSTEM

PRECEDENCE: 3      ENTITY FILE: PACKAGE



## ORB ERASE ALL

---

DISPLAY TEXT: Access to erase all my alerts option

VALUE TERM: Yes/No

VALUE DATA TYPE: yes/no

VALUE DOMAIN: Y:yes;N:no

VALUE HELP: Enter 'yes' to allow the user to erase all their notifications.

DESCRIPTION: "Yes" indicates the user can erase all their notifications/alerts.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: DIVISION

PRECEDENCE: 3      ENTITY FILE: SYSTEM

PRECEDENCE: 4      ENTITY FILE: PACKAGE

## ORB FLAGGED ORDERS BULLETIN

---

DISPLAY TEXT: Send Flagged Orders Bulletin

MULTIPLE VALUED: No

VALUE DATA TYPE: set of codes

VALUE DOMAIN: Y:yes;N:no

VALUE HELP: Enter 'yes' to send a bulletin when an order is flagged for clarification.

DESCRIPTION: 'Yes' indicates a MailMan bulletin will be sent to the order's Current Provider (usually the Ordering Provider) when the order is flagged for clarification. This parameter has no effect on the Flagged Orders notification which is also triggered when an order is flagged for clarification.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: SERVICE

PRECEDENCE: 5      ENTITY FILE: PACKAGE

PRECEDENCE: 4      ENTITY FILE: SYSTEM

PRECEDENCE: 3      ENTITY FILE: DIVISION

## ORB FORWARD BACKUP REVIEWER

---

DISPLAY TEXT: Holds Days before Forward to Backup

MULTIPLE VALUED: Yes

INSTANCE TERM: Notification

VALUE DATA TYPE: numeric

VALUE DOMAIN: 0:30:0

VALUE HELP: Number of days to hold notif. before fwding to recipient's backup reviewer.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 100.9

INSTANCE HELP: The notification related to this forwarding period.

DESCRIPTION: The number of days before a notification is forwarded to a recipient's backup alert reviewer. The maximum is 30 days. If not indicated or zero, the notification will not be forwarded. For example, if a notification has a value of 14 for this parameter, it will be forwarded to the backup reviewer of each recipient who hasn't processed the notification after 14 days. Determination of recipients who have not processed the notification and their backup alert reviewer is made by the Kernel Alert Utility. It will not be forwarded to backup reviewers of recipients who have processed the alert within 14 days. If the value of this parameter is zero or non-existent, the alert/notification will never be forwarded.

PRECEDENCE: 1      ENTITY FILE: DIVISION  
PRECEDENCE: 2      ENTITY FILE: SYSTEM  
PRECEDENCE: 3      ENTITY FILE: PACKAGE

## **ORB FORWARD SUPERVISOR**

---

DISPLAY TEXT: Hold Days before Forward to Supervisor

MULTIPLE VALUED: Yes

INSTANCE TERM: Notification

VALUE DATA TYPE: numeric

VALUE DOMAIN: 0:30:0

VALUE HELP: The number of days to hold notification before forwarding to recipient's supervisor.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 100.9

INSTANCE HELP: The notification related to this forwarding period.

DESCRIPTION: The number of days before a notification is forwarded to a recipient's supervisor. The maximum is 30 days. If not indicated or zero, the notification will not be forwarded. For example, if a notification has a value of 14 for this parameter, it will be forwarded to the supervisor of each recipient who hasn't processed the notification after 14 days. The Kernel Alert Utility makes determination of recipients who have not processed the notification and who their supervisors are. It will not be forwarded to supervisors of recipients who have processed the alert within 14 days. If the value of this parameter is zero or non-existent, the alert/notification will never be forwarded. For this purpose, the supervisor is identified as the recipient's service/ section chief.

PRECEDENCE: 1      ENTITY FILE: DIVISION  
PRECEDENCE: 2      ENTITY FILE: SYSTEM  
PRECEDENCE: 3      ENTITY FILE: PACKAGE

## ORB FORWARD SURROGATES

---

DISPLAY TEXT: Hold Days before Forward to Surrogates

MULTIPLE VALUED: Yes

INSTANCE TERM: Notification

VALUE DATA TYPE: numeric

VALUE DOMAIN: 0:30:0

VALUE HELP: Number of days to hold notification before forwarding to recipient's surrogates.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 100.9

INSTANCE HELP: The notification related to this forwarding period.

DESCRIPTION: The number of days before a notification is forwarded to a recipient's surrogates. The maximum is 30 days. If not indicated or zero, the notification will not be forwarded. For example, if a notification has a value of 14 for this parameter, it will be forwarded to the surrogates of each recipient who haven't processed the notification after 14 days. The Kernel Alert Utility makes determination of recipients who have not processed the notification and who their surrogates are. It will not be forwarded to surrogates of recipients who have processed the alert within 14 days. If the value of this parameter is zero or non-existent, the alert/notification will never be forwarded. For this purpose, the surrogate(s) are identified as the recipient's MailMan surrogate(s).

PRECEDENCE: 1      ENTITY FILE: DIVISION

PRECEDENCE: 2      ENTITY FILE: SYSTEM

PRECEDENCE: 3      ENTITY FILE: PACKAGE

## ORB LAB > THRESHOLD

---

DISPLAY TEXT: Lab > Threshold Value for Alerts

MULTIPLE VALUED: Yes

INSTANCE TERM: Lab Test;Specimen

VALUE TERM: Threshold

VALUE DATA TYPE: numeric

VALUE DOMAIN: ::2

VALUE HELP: Enter the lab threshold value.

INSTANCE DATA TYPE: free text

INSTANCE DOMAIN: 3:30

INSTANCE HELP: Lab test;Specimen sends alert above threshold.

INSTANCE VALIDATION CODE: K:X'?1.N1";"1.N X

DESCRIPTION: This parameter permits users to set Lab test result threshold values that determine if an alert is sent to them. If a lab test's result is greater than the threshold value, the Lab Threshold Exceeded notification/alert is triggered.

The Instance (Lab Test;Specimen) must be entered in the format Lab Test #;Specimen #.  
Lab Test # is the internal entry number from the LABORATORY TEST file [#60].  
Specimen # is the internal entry number from the TOPOGRAPHY FIELD file [#61].

PRECEDENCE: 1      ENTITY FILE: USER

## **ORB LAB < THRESHOLD**

---

DISPLAY TEXT: Lab < Threshold Value for Alerts

MULTIPLE VALUED: Yes

INSTANCE TERM: Lab Test;Specimen

VALUE TERM: Threshold

VALUE DATA TYPE: numeric

VALUE DOMAIN: ::2

VALUE HELP: Enter the lab threshold value.

INSTANCE DATA TYPE: free text

INSTANCE DOMAIN: 3:30

INSTANCE HELP: Lab test;Specimen sends alert below threshold.

INSTANCE VALIDATION CODE: K:X'?1.N1";"1.N X

DESCRIPTION: This parameter permits users to set Lab test result threshold values that determine if an alert is sent to them. If a lab test's result is less than the threshold value, the Lab Threshold Exceeded notification/alert is triggered.

The Instance (Lab Test;Specimen) must be entered in the format Lab Test #;Specimen #.  
Lab Test # is the internal entry number from the LABORATORY TEST file [#60].  
Specimen # is the internal entry number from the TOPOGRAPHY FIELD file [#61].

PRECEDENCE: 1      ENTITY FILE: USER

## **ORB LAST QUEUE DATE**

---

DISPLAY TEXT: Last d/t tasked notifications queued

VALUE DATA TYPE: date/time

VALUE DOMAIN: ::T

DESCRIPTION: This is the last date/time the tasked/time-driven notifications were processed. It is set within routines.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## ORB OI EXPIRING - INPT

---

DISPLAY TEXT: Flag Item to Send INPT EXPIRING Notifications

MULTIPLE VALUED: Yes

INSTANCE TERM: Orderable Item

VALUE DATA TYPE: yes/no

VALUE DOMAIN: Y:yes; N:no

VALUE HELP: Enter 'Yes' to trigger an alert for ALL patients, 'No' for only linked patients.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 101.43

INSTANCE HELP: Enter the orderable item to trigger a notification when expiring.

DESCRIPTION: This parameter is used to trigger a notification/alert when a specific orderable item is expiring for an inpatient. If the value for the orderable item flag is "YES", the entity (user, team, device), flagging the orderable item becomes a potential alert recipient for ALL patients. If the value is "NO", the entity (user, team, device), flagging the orderable item only becomes a potential alert recipient if that entity is "linked" to the patient. (If a device is added to the potential recipient list, it will always receive the alert.) Users are linked to a patient if the user is the patient's attending physician, primary inpatient provider or share an OE/RR team with the patient. Teams are linked to a patient if the patient is on the team. (If a patient is on a team that has flagged an orderable item, all users on that team become potential alert recipients.) Devices (printers, etc.) are linked to a patient if the device and patient are on the same OE/RR team.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: TEAM (OE/RR)

PRECEDENCE: 3      ENTITY FILE: DEVICE

## ORB OI EXPIRING - INPT PR

---

DISPLAY TEXT: Flag Items for INPT EXPIRING Prov Recip

MULTIPLE VALUED: Yes

INSTANCE TERM: Orderable Item

VALUE TERM: Provider Recipients

VALUE DATA TYPE: free text

VALUE DOMAIN: 0:8

VALUE HELP: Any one or combination of 'P', 'A', 'T', 'O', 'M', 'E', 'R', 'S'.

VALUE VALIDATION CODE: K:\$L(\$STR(X,"PATOMERS","")) X

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 101.43

INSTANCE HELP: Enter the orderable item to trigger a notification.

DESCRIPTION: This parameter is used to trigger a notification/alert when a specific orderable item is expiring for an inpatient. The notification is delivered to a user based upon that user's relationship to the inpatient as defined by the following codes. Orderable Items can be set up with any or all of the following codes:

P (Primary Provider): deliver notification to the patient's Primary Provider.

A (Attending Physician): deliver notification to the patient's Attending Physician.

T (Patient Care Team): deliver notification to the patient's primary care Team.

O (Ordering Provider): deliver notification to the provider who placed the order which trigger the notification.

M (PCMM Team): deliver notification to users/providers linked to the patient via PCMM Team Position assignments.

E (Entering User): deliver notification to the user/provider who entered the order's most recent activity.

R (PCMM Primary Care Practitioner): deliver notification to the patient's PCMM Primary Care Practitioner.

S (PCMM Associate Provider): deliver notification to the patient's PCMM Associate Provider.

PRECEDENCE: 1      ENTITY FILE: DIVISION

PRECEDENCE: 2      ENTITY FILE: SYSTEM

## ORB OI EXPIRING - OUTPT

---

DISPLAY TEXT: Flag Item to Send OUTPT EXPIRING Notifications

MULTIPLE VALUED: Yes

INSTANCE TERM: Orderable Item

VALUE DATA TYPE: yes/no

VALUE DOMAIN: Y:yes;N:no

VALUE HELP: Enter 'Yes' to trigger an alert for ALL patients, 'No' for only linked patients.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 101.43

INSTANCE HELP: Enter the orderable item to trigger a notification when expiring.

DESCRIPTION: This parameter is used to trigger a notification/alert when a specific orderable item is expiring for an outpatient. If the value for the orderable item flag is "YES", the entity (user, team, device), flagging the orderable item becomes a potential alert recipient for ALL patients. If the value is "NO", the entity (user, team, device), flagging the orderable item only becomes a potential alert recipient if that entity is "linked" to the patient. (If a device is added to the potential recipient list, it will always receive the alert.) Users are linked to a patient if the user is the patient's attending physician, primary inpatient provider or share an OE/RR team with the patient. Teams are linked to a patient if the patient is on the team. (If a patient is on a team that has flagged an orderable item, all users on that team become potential alert recipients.) Devices (printers, etc.) are linked to a patient if the device and patient are on the same OE/RR team.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: TEAM (OE/RR)

PRECEDENCE: 3      ENTITY FILE: DEVICE

## ORB OI EXPIRING - OUTPT PR

---

DISPLAY TEXT: Flag Items for OUTPT EXPIRING Prov Recip

MULTIPLE VALUED: Yes

INSTANCE TERM: Orderable Item

VALUE TERM: Provider Recipients

VALUE DATA TYPE: free text

VALUE DOMAIN: 0:8

VALUE HELP: Any one or combination of 'P', 'A', 'T', 'O', 'M', 'E', 'R', 'S'.

VALUE VALIDATION CODE: K:\$L(\$STR(X,"PATOMERS","")) X

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 101.43

INSTANCE HELP: Enter the orderable item to trigger a notification.

DESCRIPTION: This parameter is used to trigger a notification/alert when a specific orderable item is expiring for an outpatient. The notification is delivered to a user based upon that user's relationship to the outpatient as defined by the following codes. Orderable Items can be set up with any or all of the following codes:

P (Primary Provider): deliver notification to the patient's Primary Provider.

A (Attending Physician): deliver notification to the patient's Attending Physician.

T (Patient Care Team): deliver notification to the patient's primary care Team.

O (Ordering Provider): deliver notification to the provider who placed the order which trigger the notification.

M (PCMM Team): deliver notification to users/providers linked to the patient via PCMM Team Position assignments.

E (Entering User): deliver notification to the user/provider who entered the order's most recent activity.

R (PCMM Primary Care Practitioner): deliver notification to the patient's PCMM Primary Care Practitioner.

S (PCMM Associate Provider): deliver notification to the patient's PCMM Associate Provider.

PRECEDENCE: 1      ENTITY FILE: DIVISION

PRECEDENCE: 2      ENTITY FILE: SYSTEM

## **ORB OI ORDERED - INPT**

---

DISPLAY TEXT: Flag Items to Send INPT ORDER Notifications

MULTIPLE VALUED: Yes

INSTANCE TERM: Orderable Item

VALUE TERM: Send alert for ALL inpatients?

VALUE DATA TYPE: yes/no

VALUE DOMAIN: Y:yes;N:no

VALUE HELP: Enter 'Yes' to trigger an alert for ALL patients, 'No' for only linked patients.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 101.43

INSTANCE HELP: Enter the orderable item to trigger a notification.

DESCRIPTION: This parameter is used to trigger a notification/alert when a specific orderable item is ordered for an inpatient. If the value for the orderable item flag is "YES", the entity (user, team, device), flagging the orderable item becomes a potential alert recipient for ALL patients. If the value is "NO", the entity (user, team, device), flagging the orderable item only becomes a potential alert recipient if that entity is "linked" to the patient. (If a device is added to the potential recipient list, it will always receive the alert.) Users are linked to a patient if the user is the patient's attending physician, primary inpatient provider or share an OE/RR team with the patient. Teams



are linked to a patient if the patient is on the team. (If a patient is on a team that has flagged an orderable item, all users on that team become potential alert recipients.) Devices (printers, etc.) are linked to a patient if the device and patient are on the same OE/RR team.

PRECEDENCE: 1      ENTITY FILE: USER  
PRECEDENCE: 2      ENTITY FILE: TEAM (OE/RR)  
PRECEDENCE: 3      ENTITY FILE: DEVICE

## **ORB OI ORDERED - INPT PR**

---

DISPLAY TEXT: Flag Items for INPT ORDER Providr Recip

MULTIPLE VALUED: Yes

INSTANCE TERM: Orderable Item

VALUE TERM: Provider Recipients

VALUE DATA TYPE: free text

VALUE DOMAIN: 0:8

VALUE HELP: Any one or combination of 'P', 'A', 'T' 'O', 'M', 'E', 'R', 'S'.

VALUE VALIDATION CODE: K:\$L(\$STR(X,"PATOMERS","")) X

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 101.43

INSTANCE HELP: Enter the orderable item to trigger a notification.

DESCRIPTION: This parameter is used to trigger a notification/alert when a specific orderable item is ordered for an inpatient. The notification is delivered to a user based upon that user's relationship to the inpatient as defined by the following codes. Orderable Items can be set up with any or all of the following codes:

P (Primary Provider): deliver notification to the patient's Primary Provider.

A (Attending Physician): deliver notification to the patient's Attending Physician.

T (Patient Care Team): deliver notification to the patient's primary care Team.

O (Ordering Provider): deliver notification to the provider who placed the order which trigger the notification.

M (PCMM Team): deliver notification to users/providers linked to the patient via PCMM Team Position assignments.

E (Entering User): deliver notification to the user/provider who entered the order's most recent activity.

R (PCMM Primary Care Practitioner): deliver notification to the patient's PCMM Primary Care Practitioner.

S (PCMM Associate Provider): deliver notification to the patient's PCMM Associate Provider.

PRECEDENCE: 1      ENTITY FILE: DIVISION  
PRECEDENCE: 2      ENTITY FILE: SYSTEM

## ORB OI ORDERED - OUTPT PR

---

DISPLAY TEXT: Flag Items for OUTPT ORDER Providr Recip

LTIPL VALUED: Yes

INSTANCE TERM: Orderable Item

VALUE TERM: Provider Recipients

VALUE DATA TYPE: free text

VALUE DOMAIN: 0:8

VALUE HELP: Any one or combination of 'P', 'A', 'T', 'O', 'M', 'E', 'R', 'S'.

VALUE VALIDATION CODE: K:\$L(\$STR(X,"PATOMERS","")) X

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 101.43

INSTANCE HELP: Enter the orderable item to trigger a notification.

DESCRIPTION: This parameter is used to trigger a notification/alert when a specific orderable item is ordered for an outpatient. The notification is delivered to a user based upon that user's relationship to the outpatient as defined by the following codes.

Orderable Items can be set up with any or all of the following codes:

P (Primary Provider): deliver notification to the patient's Primary Provider.

A (Attending Physician): deliver notification to the patient's Attending Physician.

T (Patient Care Team): deliver notification to the patient's primary care Team.

O (Ordering Provider): deliver notification to the provider who placed the order which trigger the notification.

M (PCMM Team): deliver notification to users/providers linked to the patient via PCMM Team Position assignments.

E (Entering User): deliver notification to the user/provider who entered the order's most recent activity.

R (PCMM Primary Care Practitioner): deliver notification to the patient's PCMM Primary Care Practitioner.

S (PCMM Associate Provider): deliver notification to the patient's PCMM Associate Provider.

PRECEDENCE: 1      ENTITY FILE: DIVISION

PRECEDENCE: 2      ENTITY FILE: SYSTEM

## ORB OI ORDERED - OUTPT

---

DISPLAY TEXT: Flag Items to Send OUTPT ORDER Motifs

MULTIPLE VALUED: Yes

INSTANCE TERM: Orderable Item

VALUE TERM: Send alert for ALL outpatients?

VALUE DATA TYPE: yes/no

VALUE DOMAIN: Y:yes;N:no

VALUE HELP: Enter 'Yes' to trigger an alert for ALL patients, 'No' for only linked patients.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 101.43

INSTANCE HELP: Enter the orderable item to trigger a notification

DESCRIPTION: This parameter is used to trigger a notification/alert when a specific orderable item is ordered for an outpatient. If the value for the orderable item flag is "YES", the entity (user, team, device), flagging the orderable item becomes a potential alert recipient for ALL patients. If the value is "NO", the entity (user, team, device), flagging the orderable item only becomes a potential alert recipient if that entity is "linked" to the patient. (If a device is added to the potential recipient list, it will always receive the alert.) Users are linked to a patient if the user is the patient's attending physician, primary inpatient provider or share an OE/RR team with the patient. Teams are linked to a patient if the patient is on the team. (If a patient is on a team that has flagged an orderable item, all users on that team become potential alert recipients.) Devices (printers, etc.) are linked to a patient if the device and patient are on the same OE/RR team.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: TEAM (OE/RR)

PRECEDENCE: 3      ENTITY FILE: DEVICE

## ORB OI RESULTS - INPT

---

DISPLAY TEXT: Flag Item to Send INPT RESULT Notifications

MULTIPLE VALUED: Yes

INSTANCE TERM: Orderable Item

VALUE TERM: Send alert for ALL inpatients?

VALUE DATA TYPE: yes/no

VALUE DOMAIN: Y:yes;N:no

VALUE HELP: Enter 'Yes' to trigger an alert for ALL patients, 'No' for only linked patients.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 101.43

INSTANCE HELP: Enter the orderable item to trigger a notification when resulted.

INSTANCE SCREEN CODE: I \$\$LRRAD^ORB3F1(+Y)

DESCRIPTION: This parameter is used to trigger a notification/alert when a specific orderable item is resulted for an inpatient. Results only apply to orders that can be resulted (lab, imaging, consults.) If the value for the orderable item flag is "YES", the entity (user, team, device), flagging the orderable item becomes a potential alert recipient for ALL patients. If the value is "NO", the entity (user, team, device), flagging the orderable item only becomes a potential alert recipient if that entity is "linked" to the patient. (If a device is added to the potential recipient list, it will always receive the alert.) Users are linked to a patient if the user is the patient's attending physician, primary inpatient provider or share an OE/RR team with the patient. Teams are linked to a patient if the patient is on the team. (If a patient is on a team that has flagged an orderable item, all users on that team become potential alert recipients.) Devices (printers, etc.) are linked to a patient if the device and patient are on the same OE/RR team.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: TEAM (OE/RR)

PRECEDENCE: 3      ENTITY FILE: DEVICE

## ORB OI RESULTS - INPT PR

---

DISPLAY TEXT: Flag Items for INPT RESULT Provid Recip

MULTIPLE VALUED: Yes

INSTANCE TERM: Orderable Item

VALUE TERM: Provider Recipients

VALUE DATA TYPE: free text

VALUE DOMAIN: 0:8

VALUE HELP: Any one or combination of 'P', 'A', 'T', 'O', 'M', 'E', 'R', 'S'.

VALUE VALIDATION CODE: K:\$L(\$STR(X,"PATOMERS","")) X

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 101.43

INSTANCE HELP: Enter the orderable item to trigger a notification.

INSTANCE SCREEN CODE: I \$\$LRRAD^ORB3F1(+Y)

DESCRIPTION: This parameter is used to trigger a notification/alert when a specific orderable item is resulted for an inpatient. Results only apply to orders which can be resulted (lab, imaging, consults.)

The notification is delivered to a user based upon that user's relationship to the inpatient as defined by the following codes. Orderable Items can be set up with any or all of the following codes:

P (Primary Provider): deliver notification to the patient's Primary Provider.

A (Attending Physician): deliver notification to the patient's Attending Physician.

T (Patient Care Team): deliver notification to the patient's primary care Team.

O (Ordering Provider): deliver notification to the provider who placed the order which trigger the notification.

M (PCMM Team): deliver notification to users/providers linked to the patient via PCMM Team Position assignments.

E (Entering User): deliver notification to the user/provider who entered the order's most recent activity.

R (PCMM Primary Care Practitioner): deliver notification to the patient's PCMM Primary Care Practitioner.

S (PCMM Associate Provider): deliver notification to the patient's PCMM Associate Provider.

PRECEDENCE: 1

ENTITY FILE: DIVISION

PRECEDENCE: 2

ENTITY FILE: SYSTEM

## ORB OI RESULTS - OUTPT

---

DISPLAY TEXT: Flag Item to Send OUTPT RESULT Notifications

MULTIPLE VALUED: Yes

INSTANCE TERM: Orderable Item

VALUE TERM: Send alert for ALL outpatients?

VALUE DATA TYPE: yes/no

VALUE DOMAIN: Y:yes;N:no

VALUE HELP: Enter 'Yes' to trigger an alert for ALL patients, 'No' for only linked patients.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 101.43

INSTANCE HELP: Enter the orderable item to trigger a notification when resulted.

INSTANCE SCREEN CODE: I \$\$LRRAD^ORB3F1(+Y)

DESCRIPTION: This parameter is used to trigger a notification/alert when a specific orderable item is resulted for an outpatient. Results only apply to orders that can be resulted (lab, imaging, consults.) If the value for the orderable item flag is "YES", the entity (user, team, device), flagging the orderable item becomes a potential alert recipient for ALL patients. If the value is "NO", the entity (user, team, device), flagging the orderable item only becomes a potential alert recipient if that entity is "linked" to the patient. (If a device is added to the potential recipient list, it will always receive the alert.) Users are linked to a patient if the user is the patient's attending physician, primary inpatient provider or share an OE/RR team with the patient. Teams are linked to a patient if the patient is on the team. (If a patient is on a team that has flagged an orderable item, all users on that team become potential alert recipients.) Devices (printers, etc.) are linked to a patient if the device and patient are on the same OE/RR team.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: TEAM (OE/RR)

PRECEDENCE: 3      ENTITY FILE: DEVICE

## ORB OI RESULTS - OUTPT PR

---

DISPLAY TEXT: Flag Items for OUTPT RESULT Provid Recip

MULTIPLE VALUED: Yes

INSTANCE TERM: Orderable Item

VALUE TERM: Provider Recipients

VALUE DATA TYPE: free text

VALUE DOMAIN: 0:8

VALUE HELP: Any one or combination of 'P', 'A', 'T', 'O', 'M', 'E', 'R', 'S'.

VALUE VALIDATION CODE: K:\$L(\$STR(X,"PATOMERS","")) X

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 101.43

INSTANCE HELP: Enter the orderable item to trigger a notification.

INSTANCE SCREEN CODE: I \$\$LRRAD^ORB3F1(+Y)

DESCRIPTION: This parameter is used to trigger a notification/alert when a specific orderable item is resulted for an outpatient. Results only apply to orders which can be resulted (lab, imaging, consults.) The notification is delivered to a user based upon that user's relationship to the outpatient as defined by the following codes. An Orderable Item can be set up with any or all of the following codes:

P (Primary Provider): deliver notification to the patient's Primary Provider.

A (Attending Physician): deliver notification to the patient's Attending Physician.

T (Patient Care Team): deliver notification to the patient's primary care Team.

O (Ordering Provider): deliver notification to the provider who placed the order which trigger the notification.

M (PCMM Team): deliver notification to users/providers linked to the patient via PCMM Team Position assignments.

E (Entering User): deliver notification to the user/provider who entered the order's most recent activity.

R (PCMM Primary Care Practitioner): deliver notification to the patient's PCMM Primary Care Practitioner.

S (PCMM Associate Provider): deliver notification to the patient's PCMM Associate Provider.

PRECEDENCE: 1      ENTITY FILE: DIVISION

PRECEDENCE: 2      ENTITY FILE: SYSTEM

## ORB PROCESSING FLAG

---

DISPLAY TEXT: Processing Flag

MULTIPLE VALUED: Yes

INSTANCE TERM: Notification

VALUE DATA TYPE: set of codes

VALUE DOMAIN: M:Mandatory;E:Enabled;D:Disabled

VALUE HELP: Code indicating processing flag for the entity and notification.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 100.9

INSTANCE HELP: Notification related to the processing flag.

DESCRIPTION: Flag used to determine if a notification should be delivered to a user/recipient. Valid values include Mandatory, Enabled or Disabled.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: TEAM (OE/RR)

PRECEDENCE: 3      ENTITY FILE: SERVICE

PRECEDENCE: 4      ENTITY FILE: LOCATION

PRECEDENCE: 5      ENTITY FILE: DIVISION

PRECEDENCE: 6      ENTITY FILE: SYSTEM

PRECEDENCE: 7      ENTITY FILE: PACKAGE

## ORB PROVIDER RECIPIENTS

---

DISPLAY TEXT: Provider Recipients

MULTIPLE VALUED: Yes

INSTANCE TERM: Notification

VALUE DATA TYPE: free text

VALUE DOMAIN: 0:4

VALUE HELP: Any one or combination of 'P', 'A', 'T', 'O', 'M', 'E', 'R', and/or 'S'

VALUE VALIDATION CODE: K:\$L(\$STR(X,"PATOMERS",",")) X

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 100.9

INSTANCE HELP: Notification sent to the patient's provider recipients.

DESCRIPTION: Set of codes indicating default provider recipients of a notification by their title or relationship to the patient. Notifications can be set up with any or all of the following codes:

P (Primary Provider): deliver notification to the patient's Primary Provider.

A (Attending Physician): deliver notification to the patient's Attending Physician.



T (Patient Care Team): deliver notification to the patient's primary care Team.

O (Ordering Provider): deliver notification to the provider who placed the order which triggered the notification. The providers, physicians and teams must be set up properly and accurately for the correct individuals to receive the notification.

M (PCMM Team): deliver notification to users/providers linked to the patient via PCMM Team Position assignments.

E (Entering User): deliver notification to the user/provider who entered the order's most recent activity.

R (PCMM Primary Care Practitioner): deliver notification to the patient's PCMM Primary Care Practitioner.

S (PCMM Associate Provider): deliver notification to the patient's PCMM Associate Provider.

The providers, physicians and teams must be set up properly and accurately for the correct individuals to receive the notification.

PRECEDENCE: 1      ENTITY FILE: DIVISION

PRECEDENCE: 2      ENTITY FILE: SYSTEM

PRECEDENCE: 3      ENTITY FILE: PACKAGE

---

## ORB REMOVE

---

DISPLAY TEXT: Remove Alert Without Processing

MULTIPLE VALUED: Yes

INSTANCE TERM: Notification

VALUE TERM: Remove without Processing?

VALUE DATA TYPE: yes/no

VALUE DOMAIN: Y:yes;N:no

VALUE HELP: Enter 'yes' if the notification can be removed without processing.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 100.9

DESCRIPTION: System value indicates if the notification/alert can be deleted without processing. A "yes" value indicates the notification/alert can be deleted without processing. In the CPRS GUI a "yes" value signifies a selected alert can be deleted when the Remove button is clicked. If a notification/alert has a blank value or a "no" value, the notification/alert cannot be deleted without processing.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## ORB REMOVE NON-OR

---

DISPLAY TEXT: Remove Non-OR Alerts Without Processing

MULTIPLE VALUED: Yes

INSTANCE TERM: Alert ID

VALUE TERM: Enable removing this type of alert?

VALUE DATA TYPE: yes/no

VALUE HELP: Enter "yes" to enable removing this type of alert via Remove button.

INSTANCE DATA TYPE: free text

INSTANCE HELP: Enter Alert identifier for type of alert you wish to remove.

DESCRIPTION: Indicates if a non-CPRS (non-OERR) alert can be deleted without processing. Enter the alert identifier (or a portion of the alert identifier) for each type of alert you want to be able to remove in the CPRS GUI via the Remove button. The alert identifier or XQAID can be found in the ALERT ID field of the ALERT file [#8992]. For this parameter use the first few characters of the ALERT ID. For example, to remove NOIS alerts enter FSC. You may enter as many alert identifiers as desired. Please note that most alert IDs include information specific to the patient or instance which triggered the alert. For this parameter you should only enter that portion of the alert ID which is consistent for all alerts of this type. For example, a NOIS alert's ID might actually look like FSC-M,275546. Entering the entire alert ID in this parameter will only allow removal of this specific alert. However if the parameter value is FSC, all NOIS alerts can be removed.

Other examples of non-OR alert IDs include:

NO-ID;17;3040628.131502 [Taskman alert] - use NO-ID in parameter

TIUERR,3423,1;1450;3040518.125801 [TIU error alert] - use TIUERR

TIU28907;17;3040720.134827 [TIU alert] - use TIU\* in parameter

\*Using TIU will also enable Removing TIUERR alerts. Use TIUERR if you only want to Remove TIUERR alerts.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## ORB SORT DIRECTION

---

DISPLAY TEXT: Notification Sort Direction

MULTIPLE VALUED: No

VALUE TERM: Direction

VALUE DATA TYPE: set of codes

VALUE DOMAIN: F:Forward;R:Reverse

VALUE HELP: F:Forward, R:Reverse

DESCRIPTION: Direction for sorting notifications when displayed in the CPRS GUI. Directions include: Forward and Reverse.

PRECEDENCE: 1      ENTITY FILE: USER

## ORB SORT METHOD

---

DISPLAY TEXT: Notification Sort Method

MULTIPLE VALUED: No

VALUE DATA TYPE: set of codes

VALUE DOMAIN:

P:Patient;M:Message;U:Urgency;I:Info;L:Location;D:Date/Time;F:Forwarded By/When;

VALUE HELP: Sort method for notification display as P:Patient, M:Message, :Urgency, I:Info, L:Location, D:Date, F:Fwd By.

DESCRIPTION: Method for sorting notifications when displayed in the CPRS GUI. Methods include: by Patient, Message (text), Urgency, Info, Location, Date/Time, and Forwarded By/When.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: DIVISION

PRECEDENCE: 3      ENTITY FILE: SYSTEM

PRECEDENCE: 4      ENTITY FILE: PACKAGE

## ORB SURROGATE RECIPIENT

---

**Note:**    **This parameter will no longer be used.** Kernel now supports this function by allowing a surrogate to be entered by the user. Alerts will be forwarded to this surrogate.

DISPLAY TEXT: Surrogate Recipient for Notifications

VALUE TERM: Surrogate Recipient

VALUE DATA TYPE: pointer

VALUE DOMAIN: 200

VALUE HELP: Enter surrogate recipient for notifications

VALUE SCREEN CODE:

I +(\$\$ACTIVE^XUSER(Y))

DESCRIPTION: Sets up a surrogate recipient to receive all notifications (Order Entry alerts), for a user.

PRECEDENCE: 1      ENTITY FILE: USER

## **ORB SYSTEM ENABLE/DISABLE**

---

DISPLAY TEXT: Enable or disable notifications.

VALUE DATA TYPE: set of codes

VALUE DOMAIN: E:Enable; D:Disable

VALUE HELP: Enter 'Enable/E' for notifications, 'Disable/D' to stop notifications.

DESCRIPTION: Parameter determines if any notification processing will occur. 'E' or 'Enable' indicates the notifications system is enabled and running. 'D' or 'Disabled' indicates the notifications system is disabled and not running. Can be set at the Institution, System or Package level.

PRECEDENCE: 1      ENTITY FILE: DIVISION

PRECEDENCE: 2      ENTITY FILE: SYSTEM

PRECEDENCE: 3      ENTITY FILE: PACKAGE

## **ORB UNVERIFIED MED ORDER**

---

DISPLAY TEXT: Unverified Medication Orders

VALUE TERM: Hours

VALUE DATA TYPE: numeric

VALUE DOMAIN: 0:10000:0

VALUE HELP: Enter number of hours delay before triggering unverified med alert

DESCRIPTION: The number of hours to delay triggering an unverified medication order notification/alert. The maximum number of hours is 10,000.

PRECEDENCE: 1      ENTITY FILE: DIVISION

PRECEDENCE: 2      ENTITY FILE: SYSTEM

PRECEDENCE: 3      ENTITY FILE: PACKAGE

## **ORB UNVERIFIED ORDER**

---

DISPLAY TEXT: Unverified Orders

VALUE TERM: Hours

VALUE DATA TYPE: numeric

VALUE DOMAIN: 0:10000:0

VALUE HELP: Enter number of hours delay before triggering unverified order alert.

DESCRIPTION: The number of hours to delay triggering an unverified order notification/alert. This parameter is used for all types of orders (including medication.) The maximum number of hours is 10,000.

PRECEDENCE: 1      ENTITY FILE: DIVISION

PRECEDENCE: 2      ENTITY FILE: SYSTEM

PRECEDENCE: 3      ENTITY FILE: PACKAGE

## ORB URGENCY

---

DISPLAY TEXT: Notification Urgency

MULTIPLE VALUED: Yes

INSTANCE TERM: Notification

VALUE DATA TYPE: set of codes

VALUE DOMAIN: 1:High;2:Moderate;3:Low

VALUE HELP: Urgency for the notification as 1:High, 2:Moderate, or 3:Low.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 100.9

INSTANCE HELP: Notification related to the urgency.

DESCRIPTION: Set of codes indicating the urgency for a notification for a site. The urgency is mainly used for sorting in displays. The codes include: 1 (High): notification is highly urgent. 2 (Moderate): notification is moderately urgent. 3 (Low): notification is of low urgency.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: SERVICE

PRECEDENCE: 3      ENTITY FILE: DIVISION

PRECEDENCE: 4      ENTITY FILE: SYSTEM

PRECEDENCE: 5      ENTITY FILE: PACKAGE

## ORBC CONVERSION

---

DISPLAY TEXT: Notification Conversion

VALUE DATA TYPE: set of codes

VALUE DOMAIN: 1:pre-conversion completed;2:post-conversion completed

DESCRIPTION: Conversion information for CPRS. No user interaction.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## ORCD COMMON LAB MENU INPT

---

DISPLAY TEXT: Common Lab Menu Inpatient

VALUE TERM: Lab Test Menu

VALUE DATA TYPE: pointer

VALUE DOMAIN: 101.41

VALUE HELP: Enter a menu which contains a list of common labs.

VALUE SCREEN CODE:

I \$P(^ (0),U,4)="M"

DESCRIPTION: This points to a menu in the order dialog file. This menu will be used to determine which lab tests appear initially in the lab test list box when the lab dialog is clicked while an inpatient is selected.

PRECEDENCE: 1      ENTITY FILE: USER  
PRECEDENCE: 3      ENTITY FILE: LOCATION  
PRECEDENCE: 5      ENTITY FILE: SYSTEM

## ORCDGMRC EARLIEST DATE DEFAULT

---

DISPLAY TEXT: Earliest Appropriate Date Default

MULTIPLE VALUED: No

VALUE DATA TYPE: free text

VALUE HELP: Enter default relative date (e.g. T+30D, T+2W, T+1M), no time or past dates.

VALUE VALIDATION CODE: S X=\$SUP^XLFSTR(X) Q:X="TODAY"!(X="T")  
K:X["T"&(\$L(X)>1) X I \$D(X) K:X"?1"T+"1.2N.(1"D",1"W",1"M") X

KEYWORD: EARLIEST

DESCRIPTION: This defines the default date value for the Earliest Appropriate Date (EAD) field in consult and procedure orders. This date value can be TODAY or greater and must be a relative date (e.g. "TODAY", T+7D, "T+2W"). Past dates and precise dates are not permitted. The date value may also be a null/empty date, which is set by deleting (via XPAR MENU TOOLS) the current value for the parameter (if one is set).

Any new orders in CPRS GUI and new quick orders will default to the parameter value. Any quick orders that currently have a default value for the EAD will retain that value. If that quick order should reflect the parameter value, simply remove the current default value for the quick order and save the change. The quick order would then default to the parameter value..

PRECEDENCE: 1      ENTITY FILE: PACKAGE

## ORCDLR URGENCIES

---

DISPLAY TEXT: Allowable Urgencies for Lab

MULTIPLE VALUED: Yes

INSTANCE TERM: Lab Urgency

VALUE DATA TYPE: pointer

VALUE DOMAIN: 101.42

VALUE HELP: Enter an urgency from the OE/RR URGENCY file.

INSTANCE DATA TYPE: numeric

INSTANCE DOMAIN: 1:9

INSTANCE HELP: Enter the number of the lab urgency.

DESCRIPTION: This parameter allows lab urgencies to be mapped to OE/RR urgencies. If a lab urgency is not in this list, the OE/RR urgency should be ROUTINE.

PRECEDENCE: 5      ENTITY FILE: PACKAGE

## **ORCH CONTEXT CONSULTS**

---

DISPLAY TEXT: Consults Tab Context

VALUE DATA TYPE: free text

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 9      ENTITY FILE: PACKAGE

## **ORCH CONTEXT INPT LABS**

---

DISPLAY TEXT: Labs Tab Input Context

VALUE DATA TYPE: free text

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 9      ENTITY FILE: PACKAGE

## ORCH CONTEXT MEDS

---

DISPLAY TEXT: Meds Tab Context

VALUE DATA TYPE: free text

DESCRIPTION: Specifies a date range (in days) for Meds tab display that dictates the length of time orders are displayed. The parameter provides strings of delimited (" ; ) pieces, the first two of which are always a relative date range. Users can determine the date range of medications that display on the Medications tab through the Tools | Options... pull-down menu in CPRS. |

This parameter functions independently of display settings for the Orders tab. If you need to alter the display range for expired medication orders on the Orders tab, please adjust the ORWOR EXPIRED ORDERS parameter accordingly.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 9      ENTITY FILE: PACKAGE

## ORCH CONTEXT NOTES

---

DISPLAY TEXT: Notes Tab Context

VALUE DATA TYPE: free text

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 9      ENTITY FILE: PACKAGE

## ORCH CONTEXT ORDERS

---

DISPLAY TEXT: Orders Tab Context

VALUE DATA TYPE: free text

DESCRIPTION: Saves the user's preferred view when on the orders tab. A semi-colon delimits elements of the view. The contents of the parameter are:  
BeginTime;EndTime;Status;DisplayGroup;Format;Chronological;ByGroup where, 1 BeginTime is the earliest relative order date/time (T-1, T-30, etc.) 2 EndTime is the latest relative order date/time (NOW, T, T-20, etc.) 3 Status is the number passed as the FLG field to EN^ORQ1 4 DisplayGroup is the short name of the display group 5 Format is "L" for long and "S" for short 6 Chronological is "R" for reverse and "F" for forward 7 ByGroup is "1" if the orders should be grouped by display group

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 9      ENTITY FILE: PACKAGE



## ORCH CONTEXT OUTPT LABS

---

DISPLAY TEXT: Labs Tab Outpt Context

VALUE DATA TYPE: free text

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 9      ENTITY FILE: PACKAGE

## ORCH CONTEXT PROBLEMS

---

DISPLAY TEXT: Problems Tab Context

VALUE DATA TYPE: free text

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 9      ENTITY FILE: PACKAGE

## ORCH CONTEXT REPORTS

---

DISPLAY TEXT: Reports Tab Context

VALUE DATA TYPE: free text

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 9      ENTITY FILE: PACKAGE

## ORCH CONTEXT SUMMRIES

---

DISPLAY TEXT: Summaries Tab Context

VALUE DATA TYPE: free text

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 9      ENTITY FILE: PACKAGE

## ORCH CONTEXT SURGERY

---

DISPLAY TEXT: Surgery Tab Context

VALUE DATA TYPE: free text

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 9      ENTITY FILE: PACKAGE

## ORCH CONTEXT XRAYS

---

DISPLAY TEXT: Imaging Tab Context

VALUE DATA TYPE: free text

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 9      ENTITY FILE: PACKAGE

## ORCH INITIAL TAB

---

DISPLAY TEXT: Initial Tab when CPRS Starts

VALUE TERM: Initial Chart Tab

VALUE DATA TYPE: set of codes

VALUE DOMAIN:

1:Cover;2:Problems;3:Meds;4:Orders;6:Notes;7:Consults;8:DCSumm;9:Labs;10:Reports

VALUE HELP: Enter the tab that CPRS should open to when it first starts.

DESCRIPTION: This parameter identifies the tab that should be initially displayed when CPRS first starts. If ORCH USE LAST TAB is 'no', this tab is also used whenever a new patient is selected.

PRECEDENCE: 10      ENTITY FILE: PACKAGE

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 4      ENTITY FILE: DIVISION

PRECEDENCE: 2      ENTITY FILE: USER

## ORCH USE LAST TAB

---

DISPLAY TEXT: Use Last Selected Tab on Patient Change

VALUE TERM: Use Last Selected Tab

VALUE DATA TYPE: yes/no

VALUE HELP: Enter Yes if CPRS should open to the last selected tab when changing patients.

DESCRIPTION: When this parameter is set to yes, CPRS will open to the last selected tab whenever changing patients. When set to no, CPRS will open to the tab identified by ORCH INITIAL TAB.

PRECEDENCE: 10      ENTITY FILE: PACKAGE

PRECEDENCE: 7      ENTITY FILE: SYSTEM

PRECEDENCE: 5      ENTITY FILE: DIVISION

PRECEDENCE: 2      ENTITY FILE: USER

## OREVNT COMMON LIST

---

DISPLAY TEXT: List of common release events

MULTIPLE VALUED: Yes

INSTANCE TERM: Entry number

VALUE TERM: Release Event

VALUE DATA TYPE: pointer

VALUE DOMAIN: 100.5

VALUE HELP: Enter release event to be added to common list

VALUE SCREEN CODE: I '\$G(^1))&('\$D(^ORD(100.5,"DAD",Y)))

INSTANCE DATA TYPE: numeric

DESCRIPTION: Release events defined by this parameter will appear first in the list box when the user is writing delayed orders. These commonly used release events will appear above a line with the rest of the available release events appearing below the line.

Before the list is presented to the user events that are inactive and events that are inappropriate for display (for example, transfer types when the patient is still an outpatient) will be removed from the list.

|               |                           |
|---------------|---------------------------|
| PRECEDENCE: 1 | ENTITY FILE: USER         |
| PRECEDENCE: 2 | ENTITY FILE: CLASS        |
| PRECEDENCE: 3 | ENTITY FILE: TEAM (OE/RR) |
| PRECEDENCE: 4 | ENTITY FILE: LOCATION     |
| PRECEDENCE: 5 | ENTITY FILE: SERVICE      |
| PRECEDENCE: 6 | ENTITY FILE: DIVISION     |

## OREVNT DEFAULT

---

DISPLAY TEXT: Default Release Event

VALUE TERM: Release Event

VALUE DATA TYPE: pointer

VALUE DOMAIN: 100.5

VALUE HELP: Enter a RELEASE EVENT for your default when writing new delayed orders.

DESCRIPTION: This parameter is used to provide a default Release Event in the event list box presented when the user clicks on the 'Write Delayed Orders' button in CPRS GUI.

|               |                   |
|---------------|-------------------|
| PRECEDENCE: 2 | ENTITY FILE: USER |
|---------------|-------------------|

## OREVNT EXCLUDE DGRP

---

DISPLAY TEXT: Excluded groups for copy active order

MULTIPLE VALUED: Yes

INSTANCE TERM: Entry Number

VALUE TERM: Display Group

VALUE DATA TYPE: pointer

VALUE DOMAIN: 100.98

VALUE HELP: enter display group

INSTANCE DATA TYPE: numeric

DESCRIPTION: If the "copy active orders" field of a release event is set to YES then any orders that belong to the display groups listed in this parameter will NOT be presented in the list of orders to copy. This parameter allows you to screen certain types of orders from being copied when writing delayed orders.

PRECEDENCE: 1      ENTITY FILE: DIVISION

PRECEDENCE: 2      ENTITY FILE: SYSTEM

## OREVNT MANUAL RELEASE

---

DISPLAY TEXT: Allow use of manual release option

VALUE TERM: Allow manual release

VALUE DATA TYPE: yes/no

VALUE HELP: Enter "yes" to allow manual release of delayed orders.

DESCRIPTION: This parameter will control the ability to use the release delayed orders action if the OREVNT MANUAL RELEASE CONTROL parameter is set to Parameter or Both (Parameter and Keys). If set to No or left blank, then manual release will not be allowed. If set to Yes, then the manual release action may be used.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: CLASS

PRECEDENCE: 3      ENTITY FILE: TEAM (OE/RR)

PRECEDENCE: 4      ENTITY FILE: LOCATION

PRECEDENCE: 5      ENTITY FILE: SERVICE

PRECEDENCE: 6      ENTITY FILE: DIVISION

PRECEDENCE: 7      ENTITY FILE: SYSTEM

## OREVNT MANUAL RELEASE CONTROL

---

DISPLAY TEXT: Manual release control setting

VALUE TERM: Manual release controlled by

VALUE DATA TYPE: set of codes

VALUE DOMAIN: K:Keys Only (ORES/ORELSE);P:Manual Release Parameter Only (OREVNT MANUAL RELEASE);B:Both (K and P)

VALUE HELP: Select how the use of the manual release action should be controlled.

DESCRIPTION: This parameter defines how access to the manual release action is controlled. There are three possible settings:

1: Keys Only - In this setting only holders of the ORES and ORELSE key may manually release a delayed order. This is how the system previously controlled access to this action. If the OREVNT MANUAL RELEASE CONTROL parameter is not set then this will be the default setting.

2: Manual Release Parameter Only - In this setting the OREVNT MANUAL RELEASE parameter controls who is allowed to manually release a delayed order. The OREVNT MANUAL RELEASE parameter is distributed with no settings, which effectively denies access to manual release if the control parameter is set to P. In order to have the OREVNT MANUAL RELEASE parameter control access to the manual release action you must set some level of the parameter to a positive (YES) value.

3: Both Keys and Parameter - In this setting a check is first made to see if the user has either the ORES or ORELSE key. If they do not then a check is made to see if the user will have access through the parameter settings. In this setting, if the user does not hold either the ORES or ORELSE key they could still have access to the action based on your parameter settings, which may be more liberal than you'd like. Be sure to check your settings.

PRECEDENCE: 1      ENTITY FILE: DIVISION

PRECEDENCE: 2      ENTITY FILE: SYSTEM

## ORK CLINICAL DANGER LEVEL

---

DISPLAY TEXT: Order Check Clinical Danger Level

MULTIPLE VALUED: Yes

INSTANCE TERM: Order Check

VALUE DATA TYPE: set of codes

VALUE DOMAIN: 1:High;2:Moderate;3:Low

VALUE HELP: Enter the code indicating the clinical danger level of the order check.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 100.8

DESCRIPTION: Package, System, Division indicate the clinical danger level of an order check. Valid levels include High, Moderate, Low. The clinical danger level is used in sorting for order check display and prompting for override.

PRECEDENCE: 1      ENTITY FILE: DIVISION

PRECEDENCE: 2      ENTITY FILE: SYSTEM

PRECEDENCE: 3      ENTITY FILE: PACKAGE

## ORK CT LIMIT HT

---

DISPLAY TEXT: CT SCANNER HEIGHT LIMIT

VALUE DATA TYPE: numeric

VALUE HELP: Enter the maximum height (in inches) of a patient.

DESCRIPTION: This parameter is used by order checking to determine if a patient is too tall to be examined by the CAT scanner.

PRECEDENCE: 1      ENTITY FILE: DIVISION

PRECEDENCE: 2      ENTITY FILE: SYSTEM

## ORK CT LIMIT WT

---

DISPLAY TEXT: CT SCANNER WEIGHT LIMIT

VALUE DATA TYPE: numeric

VALUE HELP: Enter the maximum weight (in Pounds) of a patient.

DESCRIPTION: This parameter is used by order checking to determine if a patient weighs too much to be safely examined by the CAT Scanner.

PRECEDENCE: 1      ENTITY FILE: DIVISION

PRECEDENCE: 2      ENTITY FILE: SYSTEM

## ORK DEBUG ENABLE/DISABLE

---

DISPLAY TEXT: Enable or disable debug log.

VALUE DATA TYPE: set of codes

VALUE DOMAIN: E:Enable;D:Disable

VALUE HELP: Enter 'Enable/E' to log debug messages.

DESCRIPTION: Parameter determines if order checking will log debug messages into ^XTMP("ORKLOG". 'Enabled' indicates logging will occur. 'Disabled' will prevent logging of messages and delete log file (^XTMP("ORKLOG")). The data for zero node entries is the information passed to order checking from OE/RR. The zero node is in the format: ^XTMP("ORKLOG",<order check date/time>,<pt id>,<orderable item>,<dlog mode>,<user id>,0)= <orderable item>|<filler>|<natl id^natl text^natl sys^local id^local text^ local sys>|<order effective date/time>|<order number>|<filler data>| The data for non-zero node entries is the information passed from order checking back to OE/RR. It is the order check messages plus other info to enhance OE/RR processing. It is in the format: ^XTMP("ORKLOG",<order check date/time>,<pt id>,<orderable item>,<dlog mode>,<user id>,<non-zero>)= <order number>^<order check id - 864.5 ien>^<clin danger level>^<message>

PRECEDENCE: 1      ENTITY FILE: DIVISION

PRECEDENCE: 2      ENTITY FILE: SYSTEM

PRECEDENCE: 3      ENTITY FILE: PACKAGE

## ORK DUP ORDER RANGE LAB

---

DISPLAY TEXT: Duplicate lab orders date range

VALUE DATA TYPE: numeric

VALUE DOMAIN: 1:100000:0

VALUE HELP: Enter the number of hours back in time you wish to check for duplicate orders.

DESCRIPTION: The number of hours backwards in time to look for duplicate lab orders. For example, a value of '24' indicates a lab procedure intended to be collected within 24 hours of the collection of the same lab procedure will trigger an order check indicating duplicate lab order. Note: if the lab procedure has an entry in the parameter OR DUP ORDER DATE RANGE OI, the OI parameter takes precedence.

PRECEDENCE: 1      ENTITY FILE: LOCATION

PRECEDENCE: 2      ENTITY FILE: SERVICE

PRECEDENCE: 3      ENTITY FILE: DIVISION

PRECEDENCE: 4      ENTITY FILE: SYSTEM

PRECEDENCE: 5      ENTITY FILE: PACKAGE

## ORK DUP ORDER RANGE OI

---

DISPLAY TEXT: Orderable item duplicate date range

MULTIPLE VALUED: Yes

INSTANCE TERM: Orderable Item

VALUE TERM: Hours

VALUE DATA TYPE: numeric

VALUE DOMAIN: 0:100000:0

VALUE HELP: Enter the number of hours back in time you wish to check for duplicate orders.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 101.43

INSTANCE HELP: The orderable item related to the duplicate order date range.

DESCRIPTION: The number of hours back in time to look for duplicate orders. For example, a value of '24' indicates if a duplicate of the orderable item was placed within the previous 24 hours, an order check indicating duplicate order will occur. A value of '0' (zero) indicates do not check for duplicates - duplicate order checking for this orderable item will not occur.

PRECEDENCE: 1      ENTITY FILE: LOCATION

PRECEDENCE: 2      ENTITY FILE: SERVICE

PRECEDENCE: 3      ENTITY FILE: DIVISION

PRECEDENCE: 4      ENTITY FILE: SYSTEM

## ORK DUP ORDER RANGE RADIOLOGY

---

DISPLAY TEXT: Duplicate radiology order date range

VALUE DATA TYPE: numeric

VALUE DOMAIN: 1:100000:0

VALUE HELP: Enter the number of hours back in time you wish to check for duplicate orders.

DESCRIPTION: The number of hours backwards in time to look for duplicate radiology orders. For example, a value of '24' indicates a radiology/imaging procedure performed within 24 hours of the current order's effective date/ time will trigger an order check alerting the user to the duplicate.

PRECEDENCE: 1      ENTITY FILE: LOCATION

PRECEDENCE: 2      ENTITY FILE: SERVICE

PRECEDENCE: 3      ENTITY FILE: DIVISION

PRECEDENCE: 4      ENTITY FILE: SYSTEM

PRECEDENCE: 5      ENTITY FILE: PACKAGE



## ORK EDITABLE BY USER

---

DISPLAY TEXT: Order Check On/Off Editable by User

MULTIPLE VALUED: Yes

INSTANCE TERM: Order Check

VALUE DATA TYPE: yes/no

VALUE DOMAIN: Y:yes;N:no

VALUE HELP: Enter 'yes' if the order check can be "Enabled" or "Disabled" by users.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 100.8

DESCRIPTION: Package, System, and Division indicate if the order check can be edited by a user. Valid values include "Yes" and "No". If the value is "Yes", the order check can be "Enabled" or "Disabled" by a user. Users do have access to change the order check's ORK PROCESSING FLAG parameter value. If the value is "No", the order check CANNOT be "Enabled" or "Disabled" by a user. Users do NOT have access to change the order check's ORK PROCESSING FLAG parameter value.

PRECEDENCE: 1      ENTITY FILE: DIVISION

PRECEDENCE: 2      ENTITY FILE: SYSTEM

## ORK GLUCOPHAGE CREATININE

---

DISPLAY TEXT: Creatinine Results for Glucophage

VALUE TERM: Days

VALUE DATA TYPE: numeric

VALUE DOMAIN: 0:10000:0

VALUE HELP: Enter the number of days to check for most recent creatinine results.

DESCRIPTION: The number of days to look back in time for patient's most recent creatinine. This value is used in the Glucophage - Lab Results order check.

PRECEDENCE: 1      ENTITY FILE: LOCATION

PRECEDENCE: 2      ENTITY FILE: DIVISION

PRECEDENCE: 3      ENTITY FILE: SYSTEM

PRECEDENCE: 4      ENTITY FILE: PACKAGE

## ORK MRI LIMIT HT

---

DISPLAY TEXT: MRI SCANNER HEIGHT LIMIT

VALUE DATA TYPE: numeric

VALUE HELP: Enter the maximum height (in inches) of a patient.

DESCRIPTION: This parameter is used by order checking to determine if a patient is too tall to be safely examined by the MRI scanner.

PRECEDENCE: 1      ENTITY FILE: DIVISION

PRECEDENCE: 2      ENTITY FILE: SYSTEM

## ORK MRI LIMIT WT

---

DISPLAY TEXT: MRI SCANNER WEIGHT LIMIT

VALUE DATA TYPE: numeric

VALUE HELP: Enter the maximum weight (in pounds) for the patient.

DESCRIPTION: This parameter is used by order checking to determine if a patient weighs too much to be safely examined by the MRI scanner.

PRECEDENCE: 1      ENTITY FILE: DIVISION

PRECEDENCE: 2      ENTITY FILE: SYSTEM

## ORK POLYPHARMACY

---

DISPLAY TEXT: Number of Polypharmacy Medications

VALUE TERM: Number of meds more than

VALUE DATA TYPE: numeric

VALUE DOMAIN: 0:100:0

VALUE HELP: Enter the number of medications for polypharmacy.

DESCRIPTION: The number of medications used to determine polypharmacy. If the patient is taking more than the number of meds indicated by this parameter's value, polypharmacy exists. This parameter is used by the order check Polypharmacy. This parameter accepts values from 0 to 100.

PRECEDENCE: 1      ENTITY FILE: LOCATION

PRECEDENCE: 2      ENTITY FILE: DIVISION

PRECEDENCE: 3      ENTITY FILE: SYSTEM

PRECEDENCE: 4      ENTITY FILE: PACKAGE

## ORK PROCESSING FLAG

---

DISPLAY TEXT: Order Check Processing Flag

MULTIPLE VALUED: Yes

INSTANCE TERM: Order Check

VALUE DATA TYPE: set of codes

VALUE DOMAIN: E:Enabled;D:Disabled

VALUE HELP: Code indicating the processing flag for the entity and order check.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 100.8

INSTANCE HELP: Order check related to the processing flag.

DESCRIPTION: Flag indicating if an order check should be processed for a certain set of circumstances. An order check can be Enabled or Disabled. Only Enabled order checks will be processed.

PRECEDENCE: 1      ENTITY FILE: USER  
PRECEDENCE: 2      ENTITY FILE: LOCATION  
PRECEDENCE: 3      ENTITY FILE: SERVICE  
PRECEDENCE: 4      ENTITY FILE: DIVISION  
PRECEDENCE: 5      ENTITY FILE: SYSTEM  
PRECEDENCE: 6      ENTITY FILE: PACKAGE

## **ORK SYSTEM ENABLE/DISABLE**

---

DISPLAY TEXT: Enable or disable order checking system.

VALUE DATA TYPE: set of codes

VALUE DOMAIN: E:Enable;D:Disable

VALUE HELP: Enter 'Enable/E' for order checking, 'Disable/D' to stop order checking.

DESCRIPTION: Parameter determines if any order checking will occur. 'E' or 'Enable' indicates order checking is enabled and running. 'D' or 'Disabled' indicates order checking is disabled and not running. Can be set at the Institution, System, or Package level.

PRECEDENCE: 1      ENTITY FILE: DIVISION  
PRECEDENCE: 2      ENTITY FILE: SYSTEM  
PRECEDENCE: 3      ENTITY FILE: PACKAGE

## **ORLP DEFAULT CLINIC FRIDAY**

---

DISPLAY TEXT: Friday's Clinic

MULTIPLE VALUED: No

VALUE DATA TYPE: pointer

VALUE DOMAIN: 44

VALUE HELP: Enter clinic to be source of Friday's patient list.

DESCRIPTION: Clinic to be default source of Friday's patient list.

PRECEDENCE: 1      ENTITY FILE: USER  
PRECEDENCE: 2      ENTITY FILE: SERVICE

## **ORLP DEFAULT CLINIC MONDAY**

---

DISPLAY TEXT: Monday's Clinic

MULTIPLE VALUED: No

VALUE DATA TYPE: pointer

VALUE DOMAIN: 44

VALUE HELP: Clinic to be default patient list source on Monday.

DESCRIPTION: Clinic identified as a default source for patients on Monday.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: SERVICE

## **ORLP DEFAULT CLINIC SATURDAY**

---

DISPLAY TEXT: Saturday's Clinic

MULTIPLE VALUED: No

VALUE DATA TYPE: pointer

VALUE DOMAIN: 44

VALUE HELP: Enter clinic to be source of Saturday's patient list.

DESCRIPTION: Clinic to be default source of Saturday's patient list.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: SERVICE

## **ORLP DEFAULT CLINIC START DATE**

---

DISPLAY TEXT: Start Date

MULTIPLE VALUED: No

VALUE DATA TYPE: free text

VALUE HELP: Add patients to Clinic List with appointments as early as this date.

DESCRIPTION: Patients with appointment dates as early as this date will be added to the Clinic List. Patients will be added with appointment dates between START DATE and STOP DATE.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: SERVICE

PRECEDENCE: 3      ENTITY FILE: DIVISION

PRECEDENCE: 4      ENTITY FILE: SYSTEM

PRECEDENCE: 5      ENTITY FILE: PACKAGE

## ORLP DEFAULT CLINIC STOP DATE

---

DISPLAY TEXT: Stop Date

MULTIPLE VALUED: No

VALUE DATA TYPE: free text

VALUE HELP: Add patients to Clinic List with appointments as recent as this date.

DESCRIPTION: Patients with appointment dates as recent as this date will be added to the Clinic List. Patients will be added with appointment dates between START DATE and STOP DATE.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: SERVICE

PRECEDENCE: 3      ENTITY FILE: DIVISION

PRECEDENCE: 4      ENTITY FILE: SYSTEM

PRECEDENCE: 5      ENTITY FILE: PACKAGE

## ORLP DEFAULT CLINIC SUNDAY

---

DISPLAY TEXT: Sunday's Clinic

MULTIPLE VALUED: No

VALUE DATA TYPE: pointer

VALUE DOMAIN: 44

VALUE HELP: Enter clinic to be source of Sunday's patient list.

DESCRIPTION: Clinic to be default source of Sunday's patient list.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: SERVICE

## ORLP DEFAULT CLINIC THURSDAY

---

DISPLAY TEXT: Thursday's Clinic

MULTIPLE VALUED: No

VALUE DATA TYPE: pointer

VALUE DOMAIN: 44

VALUE HELP: Enter clinic to be source of Thursday's patient list.

DESCRIPTION: Clinic to be default source of Thursday's patient list.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: SERVICE

## ORLP DEFAULT CLINIC TUESDAY

---

DISPLAY TEXT: Tuesday's Clinic

MULTIPLE VALUED: No

VALUE DATA TYPE: pointer

VALUE DOMAIN: 44

VALUE HELP: Enter clinic to be default for creating Tuesday's patient list.

DESCRIPTION: Clinic to be default for determining patient list on Tuesdays.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: SERVICE

## ORLP DEFAULT CLINIC WEDNESDAY

---

DISPLAY TEXT: Wednesday's Clinic

MULTIPLE VALUED: No

VALUE DATA TYPE: pointer

VALUE DOMAIN: 44

VALUE HELP: Enter clinic to be source of Wednesday's patient list.

DESCRIPTION: Clinic to be default source of Wednesday's patient list.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: SERVICE

## ORLP DEFAULT LIST ORDER

---

DISPLAY TEXT: Sort Order

MULTIPLE VALUED: No

VALUE DATA TYPE: set of codes

VALUE DOMAIN: A:Alphabetic; R:Room/Bed; P:Appointment Date; T:Terminal Digit; S:Source

VALUE HELP: Any one of 'A', 'R', 'P', 'T', or 'S'.

DESCRIPTION: Default sort order for the patient list. Room/Bed is valid only for inpatients list (Ward, Team/Personal Team, Provider, Specialty). Appointment Date is valid only for outpatient lists (Clinic) and Combination lists. Source is valid only for Combination lists.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: SERVICE

PRECEDENCE: 3      ENTITY FILE: DIVISION

PRECEDENCE: 4      ENTITY FILE: SYSTEM

PRECEDENCE: 5      ENTITY FILE: PACKAGE

## ORLP DEFAULT LIST SOURCE

---

DISPLAY TEXT: Select Patient From

MULTIPLE VALUED: No

VALUE DATA TYPE: set of codes

VALUE DOMAIN: T:Team/Personal List; W:Ward List; C:Clinic List; P:Provider List;  
S:Specialty List; M:Combination List

VALUE HELP: Any one of 'T', 'W', 'C', 'P', 'S', or 'M'.

DESCRIPTION: Default preference for patient list source. Valid values include:  
T:Team/Personal List, W:Ward List, C:Clinic List, P:Provider List, S:Specialty List,  
M:Combination List

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: SERVICE

## ORLP DEFAULT PROVIDER

---

DISPLAY TEXT: Provider

MULTIPLE VALUED: No

VALUE DATA TYPE: pointer

VALUE DOMAIN: 200

VALUE HELP: Provider who is a source for patient list.

DESCRIPTION: Provider who is basis for building the Provider List of patients.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: SERVICE

## ORLP DEFAULT SPECIALTY

---

DISPLAY TEXT: Specialty

MULTIPLE VALUED: No

VALUE DATA TYPE: pointer

VALUE DOMAIN: 45.7

VALUE HELP: Treating Specialty as a patient source.

DESCRIPTION: Treating Specialty used as a source for patients on the Specialty List.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: SERVICE

## **ORLP DEFAULT TEAM**

---

DISPLAY TEXT: Team/Personal

MULTIPLE VALUED: No

VALUE DATA TYPE: pointer

VALUE DOMAIN: 100.21

VALUE HELP: Team/Personal list to be default source of patients.

DESCRIPTION: Team/Personal list to be default source of patients.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: SERVICE

## **ORLP DEFAULT WARD**

---

DISPLAY TEXT: Ward

MULTIPLE VALUED: No

VALUE DATA TYPE: pointer

VALUE DOMAIN: 42

VALUE HELP: Ward to be default source of patient.

DESCRIPTION: Ward for default list of patients.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: SERVICE

## **ORLPC CONVERSION**

---

DISPLAY TEXT: Patient Selection Conversion

VALUE DATA TYPE: set of codes

VALUE DOMAIN: 1:conversion completed

DESCRIPTION: Conversion information for CPRS. No user interaction.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORM ORMTIME LAST RUN**

---

DISPLAY TEXT: Time of last ORMTIME run

VALUE DATA TYPE: numeric

DESCRIPTION: This parameter is written and accessed by ORMTIME and related processing. No direct user access is intended.

PRECEDENCE: 0      ENTITY FILE: SYSTEM



## **ORM TASKMAN QUEUE FREQUENCY**

---

DISPLAY TEXT: Freq to check timed events via TaskMan

VALUE DATA TYPE: numeric

VALUE DOMAIN: 1:100000:0

VALUE HELP: Enter the number of minutes between TaskMan re-queue of OCX processing.

DESCRIPTION: The number of minutes to delay between processing OCX time-based events via TaskMan. If the parameter is not set, a default of 240 minutes will be used. The maximum number of minutes is 100,000 (1667 hours or 69 days).

PRECEDENCE: 1      ENTITY FILE: DIVISION

PRECEDENCE: 2      ENTITY FILE: SYSTEM

PRECEDENCE: 3      ENTITY FILE: PACKAGE

## **ORPF ACTIVE ORDERS CONTEXT HRS**

---

DISPLAY TEXT: Active Orders Context Hours

VALUE TERM: ACTIVE ORDERS CONTEXT HOURS

VALUE DATA TYPE: numeric

VALUE HELP: Enter the number of hours to include terminated orders in the Active Orders view

DESCRIPTION: This parameter defines the number of hours that orders remain in the "Active/Current Orders" context after they have been completed.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORPF AUTO UNFLAG**

---

DISPLAY TEXT: Auto Unflag

VALUE TERM: AUTO UNFLAG

VALUE DATA TYPE: yes/no

VALUE HELP: Enter YES to automatically cancel Flag notification when processed.

DESCRIPTION: This parameter, when set to YES, will automatically cancel the Flag Orders Notification and unflag all orders for a patient when a user process a Flagged Orders Notification.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORPF CHART COPY FOOTER**

---

DISPLAY TEXT: Chart Copy Footer

VALUE TERM: CHART COPY FOOTER

VALUE DATA TYPE: pointer

VALUE DOMAIN: 100.23

VALUE HELP: Enter the format for the chart copy footer.

DESCRIPTION: This is the format used to print the footer of the chart copies of orders for the hospital.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORPF CHART COPY FORMAT**

---

DISPLAY TEXT: Chart Copy Format

VALUE TERM: CHART COPY FORMAT

VALUE DATA TYPE: pointer

VALUE DOMAIN: 100.23

VALUE HELP: Enter the format for the chart copy.

DESCRIPTION: This is the format used when printing chart copies of the orders for the hospital.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORPF CHART COPY HEADER**

---

DISPLAY TEXT: Chart Copy Header

VALUE TERM: CHART COPY HEADER

VALUE DATA TYPE: pointer

VALUE DOMAIN: 100.23

VALUE HELP: Enter the format for the chart copy header.

DESCRIPTION: This is the format used to print the header of the chart copies of orders for the hospital.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORPF CHART COPY PRINT DEVICE**

---

DISPLAY TEXT: Chart Copy Print Device

VALUE TERM: CHART COPY PRINT DEVICE

VALUE DATA TYPE: pointer

VALUE DOMAIN: 3.5

VALUE HELP: Enter name of printer for printing chart copies.

DESCRIPTION: This is the printer on the ward/clinic/other where the chart copy should be printed. If the field PROMPT FOR CHART COPY is 0 or 2, this printer is automatically used to print the report. If the field PROMPT FOR CHART COPY is 1, the user is asked for device with the entry in this field as a default.

PRECEDENCE: 2      ENTITY FILE: LOCATION

PRECEDENCE: 1      ENTITY FILE: ROOM-BED

## **ORPF CHART SUMMARY SORT**

---

DISPLAY TEXT: Chart Copy Summary Sort Forward

VALUE TERM: CHART SUMMARY ORDER

VALUE DATA TYPE: yes/no

VALUE HELP: Enter YES to have the Chart Copy Summaries sort by forward date/time.

DESCRIPTION: This parameter allows the Chart Copy summaries to print in forward chronological order.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORPF CONDENSED ORDER SUMMARY**

---

DISPLAY TEXT: Condensed Order Summary

VALUE TERM: CONDENSED ORDER SUMMARY

VALUE DATA TYPE: yes/no

VALUE HELP: Enter YES to print multiple patients on one page of order summaries

DESCRIPTION: A value of YES in this parameter will print a condensed version of the order summary. The report will be continuous from one patient to the next, printing multiple patients on a page, if there is room. A value of NO will put a page break between patient reports.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORPF CONFIRM PROVIDER**

---

DISPLAY TEXT: Confirm Provider

VALUE TERM: CONFIRM PROVIDER

VALUE DATA TYPE: set of codes

VALUE DOMAIN: 0:NO;1:YES (Default NO);2:YES (Exclude ORES);3:YES (Default YES)

VALUE HELP: Enter YES to prompt the user for confirmation whenever a provider is entered.

DESCRIPTION: This field will allow an additional prompt to confirm the provider selection when adding new orders. Entering 2 in this field will exclude holders of the ORES key (providers) from this check. Notice that these parameters also control the default presented to the user: 'Are you sure? <no -or- yes>'

PRECEDENCE: 1      ENTITY FILE: SYSTEM

---

## ORPF DAILY ORDER SUMMARY DEVC

DISPLAY TEXT: Daily Order Summary Device

VALUE TERM: DAILY ORDER SUMMARY DEVICE

VALUE DATA TYPE: pointer

VALUE DOMAIN: 3.5

VALUE HELP: Enter the device to automatically print the daily order summary.

DESCRIPTION: This parameter specifies the device on which the DAILY ORDER SUMMARY should be queued by the nightly scheduled option ORTASK 24 HOUR SUMMARY.

PRECEDENCE: 2      ENTITY FILE: LOCATION

PRECEDENCE: 1      ENTITY FILE: ROOM-BED

---

## ORPF DC OF GENERIC ORDERS

DISPLAY TEXT: DC Generic Orders on Ward Transfer

VALUE TERM: DC GENERIC ORDERS ON WARD TRANSFER

VALUE DATA TYPE: set of codes

VALUE DOMAIN: 0:NO;1:YES;

VALUE HELP: Enter YES to have a patient's active generic orders Discharged on a ward transfer.

DESCRIPTION: This parameter controls the discharging of generic orders (orders that are not transmitted to any ancillary service for action) when a patient's ward location changes. If set to YES, then generic orders are discharged whenever the patient is transferred to a new location; if empty or set to NO, no automatic discharging will take place on ward transfers.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

---

## ORPF DEFAULT PROVIDER

DISPLAY TEXT: Default Provider

VALUE TERM: DEFAULT PROVIDER

VALUE DATA TYPE: yes/no

VALUE HELP: Enter YES to default with attending physician when entering orders.

DESCRIPTION: This parameter allows the attending physician to be prompted as a default when adding new orders.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORPF ERROR DAYS**

---

DISPLAY TEXT: Error Days

VALUE TERM: ERROR DAYS

VALUE DATA TYPE: numeric

VALUE HELP: Enter the number of days to keep the OE/RR Error file current.

DESCRIPTION: ???

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORPF EXPAND CONTINUOUS ORDERS**

---

DISPLAY TEXT: Expand Continuous Orders

VALUE TERM: EXPAND CONTINUOUS ORDERS

VALUE DATA TYPE: yes/no

VALUE HELP: Specify how continuous orders are to appear on the chart copies.

DESCRIPTION: This is a site parameter to enable continuous orders (i.e., orders with a continuous schedule, e.g., QD or Q4H) to be expanded or not on the chart copy. If set to YES, an order for GLUCOSE BLOOD SERUM with the schedule QD would appear on the chart as:

05/17 11:04 GLUCOSE BLOOD SERUM Ten Cprsprovider  
LB #805 WC ROUTINE

05/18 11:04 GLUCOSE BLOOD SERUM Ten Cprsprovider  
LB #806 WC ROUTINE

05/19 11:04 GLUCOSE BLOOD SERUM Ten Cprsprovider  
LB #807 WC ROUTINE

If this parameter is set to NO, the same order would appear as:

05/17 11:04 GLUCOSE BLOOD SERUM QD Ten Cprsprovider

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORPF GRACE DAYS BEFORE PURGE**

---

DISPLAY TEXT: Grace Days before Purge

VALUE TERM: GRACE DAYS BEFORE PURGE

VALUE DATA TYPE: numeric

VALUE DOMAIN: 30:99999

VALUE HELP: Enter the number of days that should pass before a completed order is purged.

DESCRIPTION: This parameter is the number of days that should pass before an order is purged. Only orders with a status of discontinued, complete, expired, cancelled, changed, and lapsed will be purged.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORPF INITIALS ON SUMMARY**

---

DISPLAY TEXT: Initials on Summary

VALUE TERM: PRINT INITIALS ON SUMMARY REPORT

VALUE DATA TYPE: yes/no

VALUE HELP: Enter YES to have the initials of entering person on order summary reports.

DESCRIPTION: This parameter allows the initials of the person who entered the order to be displayed on the order summary reports. The initials take up an additional line on the display and are shown just below the Ord'd date time.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORPF LABEL PRINT DEVICE**

---

DISPLAY TEXT: Label Print Device

VALUE TERM: LABEL PRINT DEVICE

VALUE DATA TYPE: pointer

VALUE DOMAIN: 3.5

VALUE HELP: Enter name of printer for printing labels.

DESCRIPTION: This is the printer on the ward/clinic/other where the label should be printed. If the field PROMPT FOR LABELS is 0 or 2, this printer is automatically used to print the labels. If the field PROMPT FOR LABELS is 1, the user is asked for device with the entry in this field as a default.

PRECEDENCE: 2      ENTITY FILE: LOCATION

PRECEDENCE: 1      ENTITY FILE: ROOM-BED

## **ORPF LABEL SORT FIELD**

---

DISPLAY TEXT: Label Sort Field

MULTIPLE VALUED: Yes

INSTANCE TERM: package

VALUE TERM: LABEL SORT FIELD

VALUE DATA TYPE: free text

VALUE HELP: Enter the field name to sort labels by.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 9.4

DESCRIPTION: This is the field as defined at the ^OR(100,ifn,4.5 level in file 100 to be used to sort labels by.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORPF LAST ORDER PURGED**

---

DISPLAY TEXT: Last Order Purged

VALUE DATA TYPE: pointer

VALUE DOMAIN: 100

VALUE HELP: Enter last order purged.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORPF LAST PURGE DATE**

---

DISPLAY TEXT: Last Purge Date

VALUE TERM: LAST PURGE DATE

PROHIBIT EDITING: Yes

VALUE DATA TYPE: date/time

VALUE DOMAIN: ::T

DESCRIPTION: ???

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORPF NEW ORDERS DEFAULT**

---

DISPLAY TEXT: New Orders Default

VALUE TERM: NEW ORDERS DEFAULT

VALUE DATA TYPE: set of codes

VALUE DOMAIN: 0:Sign All Orders;1:Sign & Release;

VALUE HELP: Enter the desired default action for the Review New Orders screen

DESCRIPTION: This parameter determines the default action to be presented at the end of the Review New Orders screen; the action 'Next Screen' will be used until the last screen of orders, if there are more than one. If there is no action specified here, then 'Sign All Orders' will be used.

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 9      ENTITY FILE: PACKAGE

## **ORPF PRINT CHART COPY SUMMARY**

---

DISPLAY TEXT: Print Chart Copy Summary

VALUE TERM: PRINT CHART COPY SUMMARYVALUE DATA TYPE: yes/no

VALUE HELP: Specify whether chart copy summary will print for this location.

DESCRIPTION: This parameter specifies to the nightly background job ORTASK 24HR CHART COPIES that a daily Chart Copy summary should be queued to the device specified by the CHART COPY DEVICE field.

PRECEDENCE: 1      ENTITY FILE: LOCATION

## **ORPF PRINT CHART COPY WHEN**

---

DISPLAY TEXT: Print Chart Copy When

VALUE TERM: PRINT CHART COPY WHEN

VALUE DATA TYPE: set of codes

VALUE DOMAIN: R:releasing order;S:signing orders

VALUE HELP: 'R' prints chart copy when orders are released; 'S' prints when orders signed.

DESCRIPTION: Chart copies may be printed when orders are a) released to the service or b) signed by a clinician (may be after the orders are released) This parameter determines at which point the chart copy of orders will print. The chart copy may be printed when the order is released to the service or delayed until the order is actually signed.

PRECEDENCE: 1      ENTITY FILE: SYSTEM



## ORPF PRINT DAILY ORDER SUMMARY

---

DISPLAY TEXT: Print Daily Order Summary

VALUE TERM: PRINT DAILY ORDER SUMMARY

VALUE DATA TYPE: yes/no

VALUE HELP: Specify whether daily order summary will print for this location.

DESCRIPTION: This parameter specifies to the nightly background job ORTASK 24HR SUMMARY that a daily order summary should be queued to the device specified in the DAILY ORDER SUMMARY DEVICE field.

PRECEDENCE: 1      ENTITY FILE: LOCATION

## ORPF PROMPT FOR CHART COPY

---

DISPLAY TEXT: Prompt for Chart Copy

VALUE TERM: PROMPT FOR CHART COPY

VALUE DATA TYPE: set of codes

VALUE DOMAIN: 0:DON'T PROMPT;1:PROMPT AND ASK DEVICE;2:PROMPT AND NOT ASK DEVICE;\*:DON'T PRINT

VALUE HELP: Specify how prompting logic will work for chart copies

DESCRIPTION: This field allows various levels of user interaction for printing a chart copy of the orders. ENTER 0 for no prompts- chart copy is automatically generated.1 to prompt for chart copy and ask which printer should be used.2 to prompt for chart copy and automatically print to the printer defined in the CHART COPY PRINT DEVICE field. \* don't print.

PRECEDENCE: 1      ENTITY FILE: LOCATION

PRECEDENCE: 2      ENTITY FILE: DIVISION

PRECEDENCE: 3      ENTITY FILE: SYSTEM

## ORPF PROMPT FOR LABELS

---

DISPLAY TEXT: Prompt for Labels

VALUE TERM: PROMPT FOR LABELS

VALUE DATA TYPE: set of codes

VALUE DOMAIN: 0:DON'T PROMPT;1:PROMPT AND ASK DEVICE;2:PROMPT AND NOT ASK DEVICE;\*:DON'T PRINT

VALUE HELP: Specify the prompting logic for labels.

DESCRIPTION: This parameter allows various levels of user interaction for printing a label on the ward for orders. ENTER 0 for no prompts- labels are automatically generated. 1 to prompt for labels and ask which printer should be used. 2 to prompt for labels and automatically print to the printer defined in the LABEL PRINT DEVICE field. \* don't print.

PRECEDENCE: 1      ENTITY FILE: LOCATION

PRECEDENCE: 2      ENTITY FILE: DIVISION

PRECEDENCE: 3      ENTITY FILE: SYSTEM

## ORPF PROMPT FOR REQUISITIONS

---

DISPLAY TEXT: Prompt for Requisitions

VALUE TERM: PROMPT FOR REQUISITIONS

VALUE DATA TYPE: set of codes

VALUE DOMAIN: 0:DON'T PROMPT;1:PROMPT AND ASK DEVICE;2:PROMPT AND NOT ASK DEVICE;\*:DON'T PRINT

VALUE HELP: Specify the prompting logic for labels.

DESCRIPTION: This field allows various levels of user interaction for printing a requisition on the ward for orders. ENTER 0 for no prompts- requisitions are automatically generated. 1 to prompt for requisitions and which printer should be used. 2 to prompt for requisitions and automatically print to the printer defined in the REQUISITION PRINT DEVICE field. \* don't print.

PRECEDENCE: 1      ENTITY FILE: LOCATION

PRECEDENCE: 2      ENTITY FILE: DIVISION

PRECEDENCE: 3      ENTITY FILE: SYSTEM

## ORPF PROMPT FOR WORK COPY

---

DISPLAY TEXT: Prompt for Work Copy

VALUE TERM: PROMPT FOR WORK COPY

VALUE DATA TYPE: set of codes

VALUE DOMAIN: 0:DON'T PROMPT;1:PROMPT AND ASK DEVICE;2:PROMPT AND NOT ASK DEVICE;\*:DON'T PRINT

VALUE HELP: Specify the prompting logic for work copies

DESCRIPTION: This field allows various levels of user interaction for printing a work copy of the orders. ENTER 0 for no prompts- work copy is automatically generated. 1 to prompt for work copy and ask which printer should be used. 2 to prompt for work copy and automatically print to the printer defined in the WORK COPY PRINT DEVICE field. \* don't print.

PRECEDENCE: 1      ENTITY FILE: LOCATION

PRECEDENCE: 2      ENTITY FILE: DIVISION

PRECEDENCE: 3      ENTITY FILE: SYSTEM

## ORPF REQUISITION PRINT DEVICE

---

DISPLAY TEXT: Requisition Print Device

VALUE TERM: REQUISITION PRINT DEVICEVALUE DATA TYPE: pointer

VALUE DOMAIN: 3.5

VALUE HELP: Enter name of printer for printing requisitions.

DESCRIPTION: This is the printer on the ward/clinic/other where the requisition should be printed. If the field PROMPT FOR REQUISITIONS is 0 or 2, this printer is automatically used to print the requisitions. If the field PROMPT FOR REQUISITIONS is 1, the user is asked for device with the entry in this field as a default.

PRECEDENCE: 2      ENTITY FILE: LOCATION

PRECEDENCE: 1      ENTITY FILE: ROOM-BED

## **ORPF REQUISITION SORT FIELD**

---

DISPLAY TEXT: Requisition Sort Field

MULTIPLE VALUED: Yes

INSTANCE TERM: package

VALUE TERM: REQUISITION SORT FIELD

VALUE DATA TYPE: free text

VALUE HELP: Enter the field name to sort requisitions by.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 9.4

DESCRIPTION: This is the field as defined at the ^OR(100,ifn,4.5 level in file 100 to be used to sort requisitions by.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORPF RESTRICT REQUESTOR**

---

DISPLAY TEXT: Restrict Requestor

VALUE TERM: RESTRICT REQUESTOR

VALUE DATA TYPE: set of codes

VALUE DOMAIN: 0:NO;1:YES (ORELSE);2:YES (ORELSE & OREMAS)

VALUE HELP: This restricts users from selecting themselves as the requesting clinician.

DESCRIPTION: This field allows a site to restrict the selection of providers when adding new orders at the 'Requesting CLINICIAN: ' prompt for holders of the ORELSE and OREMAS key. The restriction being that they cannot select themselves as the requestor even though they may also hold the PROVIDER key. 1 YES (ORELSE) - restricts only holders of the ORELSE key. 2 YES (ORELSE & OREMAS) - restricts holders of either key.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORPF REVIEW ON PATIENT MVMT**

---

DISPLAY TEXT: Review on Patient Movement

VALUE TERM: REVIEW ORDERS ON PATIENT MOVEMENT

VALUE DATA TYPE: yes/no

VALUE HELP: Enter YES to review patient orders upon patient movement or clinic appointment.

DESCRIPTION: This parameter allows orders to be reviewed when a patient is transferred or discharged, and when a clinic appointment is made or canceled.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORPF SERVICE COPY DEFLT DEVICE**

---

DISPLAY TEXT: Service Copy Default Device

MULTIPLE VALUED: Yes

INSTANCE TERM: PACKAGE

VALUE TERM: SERVICE COPY DEVICE

VALUE DATA TYPE: pointer

VALUE DOMAIN: 3.5

VALUE HELP: Enter the Service copy default device.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 9.4

DESCRIPTION: This is the printer that is to be used when printing order copies to the service.

PRECEDENCE: 2      ENTITY FILE: LOCATION

PRECEDENCE: 4      ENTITY FILE: SYSTEM

PRECEDENCE: 1      ENTITY FILE: ROOM-BED

PRECEDENCE: 3      ENTITY FILE: DIVISION

## **ORPF SERVICE COPY FOOTER**

---

DISPLAY TEXT: Service Copy Footer

MULTIPLE VALUED: Yes

INSTANCE TERM: package

VALUE TERM: SERVICE COPY FOOTER

VALUE DATA TYPE: pointer

VALUE DOMAIN: 100.23

VALUE HELP: Enter the Service copy footer for this package.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 9.4

DESCRIPTION: This is the format to be used for the footer portion of the order copy to the service for this package.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORPF SERVICE COPY FORMAT**

---

DISPLAY TEXT: Service Copy Format

MULTIPLE VALUED: Yes

INSTANCE TERM: PACKAGE

VALUE TERM: SERVICE COPY FORMAT

VALUE DATA TYPE: pointer  
VALUE DOMAIN: 100.23  
VALUE HELP: Enter the Service copy format  
INSTANCE DATA TYPE: pointer  
INSTANCE DOMAIN: 9.4  
DESCRIPTION: This is the format to be used when printing order copies to the service.  
PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORPF SERVICE COPY HEADER**

---

DISPLAY TEXT: Service Copy Header  
MULTIPLE VALUED: Yes  
INSTANCE TERM: PACKAGE  
VALUE TERM: SERVICE COPY HEADER  
VALUE DATA TYPE: pointer  
VALUE DOMAIN: 100.23  
VALUE HELP: Enter the Service copy header for this package.  
INSTANCE DATA TYPE: pointer  
INSTANCE DOMAIN: 9.4  
DESCRIPTION: This is the format to be used for the header portion of the order copy to the service for this package.  
PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORPF SERVICE COPY PRINT DEVICE**

---

DISPLAY TEXT: Service Copy Print Device  
MULTIPLE VALUED: Yes  
INSTANCE TERM: package  
VALUE TERM: SERVICE COPY PRINT DEVICE  
VALUE DATA TYPE: pointer  
VALUE DOMAIN: 3.5  
VALUE HELP: Enter the service copy printer for this package at the given location.  
INSTANCE DATA TYPE: pointer  
INSTANCE DOMAIN: 9.4  
DESCRIPTION: This is the device to which service copies will be printed for the corresponding hospital location. (e.g., if the patient is admitted to ward 1A, for which the SERVICE COPY PRINT DEVICE is called P1A, for the IV MEDICATIONS package, then service copies of all of that patient's IV orders will be printed to P1A, overriding the SERVICE COPY DEFAULT DEVICE, if one has been defined.  
PRECEDENCE: 1      ENTITY FILE: LOCATION

## **ORPF SETUP ACTION**

---

DISPLAY TEXT: Setup Action

VALUE DATA TYPE: M code

DESCRIPTION: ???

PRECEDENCE: 1      ENTITY FILE: PACKAGE

## **ORPF SHOW LAB #**

---

DISPLAY TEXT: Show Lab #

VALUE TERM: SHOW LAB #

VALUE DATA TYPE: yes/no

VALUE HELP: Enter YES to have the lab order number displayed to physicians on release

DESCRIPTION: This field controls the listing of lab orders for holders of the ORES key, after the electronic signature has been entered when entering new orders. Only after the order is released to Lab service is the number assigned; if physicians want to see the lab order # with the order after entering and signing the orders, this parameter must be set to YES. All other users get the listing regardless of what this parameter is set to.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORPF SHOW STATUS DESCRIPTION**

---

DISPLAY TEXT: Show Status Description

VALUE TERM: SHOW STATUS DESCRIPTION

VALUE DATA TYPE: yes/no

VALUE HELP: Enter YES to have the status description displayed on the detailed display.

DESCRIPTION: This parameter allows the description associated with a status to be displayed with the current status of an order when a detailed display is requested.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORPF SUMMARY SORT FORWARD**

---

DISPLAY TEXT: Order Summary Sort Forward

VALUE TERM: SUMMARY SORT FORWARD

VALUE DATA TYPE: yes/no

VALUE HELP: Enter YES to have the Order Summaries sort by forward date/time.

DESCRIPTION: This parameter allows the Order summaries to print in forward chronological order.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORPF WARD LABEL FORMAT**

---

DISPLAY TEXT: Ward Label Format

MULTIPLE VALUED: Yes

INSTANCE TERM: PACKAGE

VALUE TERM: WARD LABEL FORMAT

VALUE DATA TYPE: pointer

VALUE DOMAIN: 100.23

VALUE HELP: Enter the ward label format for this package.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 9.4

DESCRIPTION: This is the label format to be used when printing labels for this package.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORPF WARD REQUISITION FOOTER**

---

DISPLAY TEXT: Ward Requisition Footer

MULTIPLE VALUED: Yes

INSTANCE TERM: package

VALUE TERM: WARD REQUISITION FOOTER

VALUE DATA TYPE: pointer

VALUE DOMAIN: 100.23

VALUE HELP: Enter the format for the requisition footer.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 9.4

DESCRIPTION: This is the format used to print the footer of order requisitions for the hospital.

PRECEDENCE: 1      ENTITY FILE: SYSTEM



## **ORPF WARD REQUISITION FORMAT**

---

DISPLAY TEXT: Ward Requisition Format

MULTIPLE VALUED: Yes

INSTANCE TERM: package

VALUE TERM: WARD REQUISITION FORMAT

VALUE DATA TYPE: pointer

VALUE DOMAIN: 100.23

VALUE HELP: Enter the ward requisition format for this package.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 9.4

DESCRIPTION: This is the requisition format to be used when printing requisitions for this package.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORPF WARD REQUISITION HEADER**

---

DISPLAY TEXT: Ward Requisition Header

MULTIPLE VALUED: Yes

INSTANCE TERM: package

VALUE TERM: WARD REQUISITION HEADER

VALUE DATA TYPE: pointer

VALUE DOMAIN: 100.23

VALUE HELP: Enter the format for the requisition header.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 9.4

DESCRIPTION: This is the format used to print the header of order requisitions for the hospital.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORPF WORK COPY FOOTER**

---

DISPLAY TEXT: Work Copy Footer

VALUE TERM: WORK COPY FOOTER

VALUE DATA TYPE: pointer

VALUE DOMAIN: 100.23

VALUE HELP: Enter the format for the work copy footer.

DESCRIPTION: This is the format used to print the footer of the work copies of orders for the hospital.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORPF WORK COPY FORMAT**

---

DISPLAY TEXT: Work Copy Format

VALUE TERM: WORK COPY FORMAT

VALUE DATA TYPE: pointer

VALUE DOMAIN: 100.23

VALUE HELP: Enter the format for the work copy.

DESCRIPTION: This is the format used when printing work copies of the orders for the hospital.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORPF WORK COPY HEADER**

---

DISPLAY TEXT: Work Copy Header

VALUE TERM: WORK COPY HEADER

VALUE DATA TYPE: pointer

VALUE DOMAIN: 100.23

VALUE HELP: Enter the format for the work copy header.

DESCRIPTION: This is the format used to print the header of the work copies of orders for the hospital.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORPF WORK COPY PRINT DEVICE**

---

DISPLAY TEXT: Work Copy Print Device

VALUE TERM: WORK COPY PRINT DEVICE

VALUE DATA TYPE: pointer

VALUE DOMAIN: 3.5

VALUE HELP: Enter name of printer for printing work copies.

DESCRIPTION: This is the printer on the ward/clinic/other where the work copy should be printed. If the field PROMPT FOR WORK COPY is 0 or 2, this printer is automatically used to print the report. If the field PROMPT FOR WORK COPY is 1, the user is asked for device with the entry in this field as a default.

PRECEDENCE: 2      ENTITY FILE: LOCATION

PRECEDENCE: 1      ENTITY FILE: ROOM-BED

## **ORPF WORK SUMMARY SORT**

---

DISPLAY TEXT: Work Copy Summary Sort Forward

VALUE TERM: WORK COPY SUMMARY SORT

VALUE DATA TYPE: yes/no

VALUE HELP: Enter YES to have the Work Copy Summaries sort by forward date/time.

DESCRIPTION: This parameter allows the Work Copy summaries to print in forward chronological order.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

## ORQQAP SEARCH RANGE START

---

**NOTE:** This parameter is no longer used in CPRS. The parameter **ORQQCSDR CS RANGE START** now controls how many days back CPRS searches to display appointments, visits, and admissions on the Cover Sheet.

DISPLAY TEXT: Appt Search Start Date

MULTIPLE VALUED: No

VALUE TERM: Appt Search Start Date

VALUE DATA TYPE: free text

VALUE HELP: List appointments for a patient as early as this date in format 'T', 'T-30'.

DESCRIPTION: Returns the relative date to begin listing appointments for a patient across all clinics. For example, T-30 will begin listing appointments at clinics beginning 30 days before now, T will list appointments beginning today.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: SERVICE

PRECEDENCE: 3      ENTITY FILE: DIVISION

PRECEDENCE: 4      ENTITY FILE: SYSTEM

PRECEDENCE: 5      ENTITY FILE: PACKAGE

## ORQQAP SEARCH RANGE STOP

---

**NOTE:** This parameter is no longer used in CPRS. The parameter **ORQQCSDR CS RANGE STOP** now controls how many days in the future CPRS searches to display appointments, visits, and admissions on the Cover Sheet.

DISPLAY TEXT: Appt Search Stop Date

MULTIPLE VALUED: No

VALUE TERM: Appt Search Stop Date

VALUE DATA TYPE: free text

VALUE HELP: List appointments for a patient as late as this date in format 'T', 'T+7'.

DESCRIPTION: Returns the relative date to end listing appointments for a patient at all clinics. For example, 'T+30' will not list appointments at the clinics after 30 days from now. 'T' will not list appointments later than today.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: SERVICE

PRECEDENCE: 3      ENTITY FILE: DIVISION

PRECEDENCE: 4      ENTITY FILE: SYSTEM

PRECEDENCE: 5      ENTITY FILE: PACKAGE

## ORQQCN DATE RANGE

---

DISPLAY TEXT: Consult/Request Date Range

VALUE TERM: Consult/Request Number of Display Days

VALUE DATA TYPE: numeric

VALUE DOMAIN: 1:1000000:0

VALUE HELP: Enter the number of days to search back in time for consults/requests.

DESCRIPTION: The number of days in time to search backwards for consults/requests. If not indicated, the default period of 730 days (2 years) will be used. The maximum number of days is 100,000 or about 220 years.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: LOCATION

PRECEDENCE: 3      ENTITY FILE: SERVICE

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 4      ENTITY FILE: DIVISION

PRECEDENCE: 6      ENTITY FILE: PACKAGE

## ORQQCSDR CS RANGE START

---

DISPLAY TEXT: Cover Sheet Visit Range Start

MULTIPLE VALUED: No

VALUE TERM: CS Visit Search Start

VALUE DATA TYPE: free text

VALUE HELP: Enter start days for CS visits (E.g., T-120)

DESCRIPTION:

Returns the relative date to start listing visits for a patient on the Cover Sheet. For example, 'T-90' will list visits beginning 90 days before today.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: SERVICE

PRECEDENCE: 3      ENTITY FILE: DIVISION

PRECEDENCE: 4      ENTITY FILE: SYSTEM

PRECEDENCE: 5      ENTITY FILE: PACKAGE

## ORQQCSDR CS RANGE STOP

---

DISPLAY TEXT: Cover Sheet Visit Range Stop

MULTIPLE VALUED: No

VALUE TERM: CS Visit Search Stop

VALUE DATA TYPE: free text

VALUE HELP: Enter stop days for CS visits (E.g., T+30)

DESCRIPTION:

Returns the relative date to stop listing visits for a patient on the Cover Sheet. For example, 'T+2' will list visits ending two days from today.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: SERVICE

PRECEDENCE: 3      ENTITY FILE: DIVISION

PRECEDENCE: 4      ENTITY FILE: SYSTEM

PRECEDENCE: 5      ENTITY FILE: PACKAGE

## ORQQEAPT ENC APPT START

---

DISPLAY TEXT: Enc Appt Range Start Offset

MULTIPLE VALUED: No

VALUE TERM: Enc Appt Range Start Offset

VALUE DATA TYPE: numeric

VALUE HELP: Enter start days before Today for Enc Appts (positive number up to 999)

VALUE VALIDATION CODE: K:(X>999)!(X<0) X

DESCRIPTION: Returns the relative number of days before Today to begin listing appointments (0=Today, 1=Today-1 Day, etc.).

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: SERVICE

PRECEDENCE: 3      ENTITY FILE: DIVISION

PRECEDENCE: 4      ENTITY FILE: SYSTEM

PRECEDENCE: 5      ENTITY FILE: PACKAGE

## ORQQEAPT ENC APPT STOP

---

DISPLAY TEXT: Enc Appt Range Stop Offset

VALUE TERM: Enc Appt Range Stop Offset

VALUE DATA TYPE: numeric

VALUE HELP: Enter stop days after Today for Enc Appts (positive number up to 999)

VALUE VALIDATION CODE: K:(X>999)!(X<0) X

DESCRIPTION:

Returns the relative number of days from Today to stop listing appointments (0=Today, 1=Today+1 Day, etc.).

PRECEDENCE: 1

ENTITY FILE: USER

PRECEDENCE: 2

ENTITY FILE: SERVICE

PRECEDENCE: 3

ENTITY FILE: DIVISION

PRECEDENCE: 4

ENTITY FILE: SYSTEM

PRECEDENCE: 5

ENTITY FILE: PACKAGE

## ORQQEAFL ENC APPT FUTURE LIMIT

---

DISPLAY TEXT: Future Days Limit For PCE Selection

VALUE TERM: Future Days Limit For PCE Selection

VALUE DATA TYPE: numeric

VALUE HELP: Enter number days from today for future appt warning

VALUE VALIDATION CODE: K:(X>180)!(X<0) X

DESCRIPTION:

Number of days from Today when warning is given to user upon selection of a future appointment for Encounters.

PRECEDENCE: 2

ENTITY FILE: SYSTEM

PRECEDENCE: 3

ENTITY FILE: PACKAGE

PRECEDENCE: 1

ENTITY FILE: DIVISION

## ORQQLR DATE RANGE INPT

---

DISPLAY TEXT: Inpatient Lab Number of Days to Display

VALUE TERM: Inpatient Lab Number of Days to Display

VALUE DATA TYPE: numeric

VALUE DOMAIN: 1:100000:0

VALUE HELP: Enter the number of days to search back in time for lab orders/results.

DESCRIPTION: The number of days backwards in time to search for lab orders/results. If not indicated, the default period of 2 days will be used. The maximum number of days is 100,000 or about 220 years for inpatients.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: LOCATION

PRECEDENCE: 3      ENTITY FILE: SERVICE

PRECEDENCE: 4      ENTITY FILE: DIVISION

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 6      ENTITY FILE: PACKAGE

## ORQQLR DATE RANGE OUTPT

---

DISPLAY TEXT: Outpatient Lab Number of Days to Display

VALUE TERM: Outpatient Lab Number of Days to Display

VALUE DATA TYPE: numeric

VALUE DOMAIN: 1:100000:0

VALUE HELP: Enter the number of days to search back in time for lab orders/results.

DESCRIPTION: The number of days backwards in time to search for lab orders/results. If not indicated, the default period of 30 days will be used. The maximum number of days is 100,000 or about 220 years for outpatients.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: SERVICE

PRECEDENCE: 3      ENTITY FILE: DIVISION

PRECEDENCE: 4      ENTITY FILE: SYSTEM

PRECEDENCE: 5      ENTITY FILE: PACKAGE



## ORQQPL SUPPRESS CODES

---

DISPLAY TEXT: Suppress Codes in Lexicon Problem Search

MULTIPLE VALUED: No

VALUE TERM: Suppress Codes?

VALUE DATA TYPE: yes/no

VALUE HELP: Indicate whether code values should be hidden during Problem searches.

### DESCRIPTION:

This parameter determines whether the user will be shown SNOMED CT and ICD codes when searching for patient problems.

PRECEDENCE: 5      ENTITY FILE: USER

PRECEDENCE: 15     ENTITY FILE: DIVISION

PRECEDENCE: 20     ENTITY FILE: SYSTEM

PRECEDENCE: 25     ENTITY FILE: PACKAGE

PRECEDENCE: 10     ENTITY FILE: SERVICE

## ORQQPX SEARCH ITEMS

---

DISPLAY TEXT: Clinical Reminders for Search

MULTIPLE VALUED: Yes

INSTANCE TERM: Display Sequence

VALUE TERM: Clinical Reminder

VALUE DATA TYPE: pointer

VALUE DOMAIN: 811.9

VALUE HELP: Enter the Clinical Reminder(s) you wish to review with each patient.

VALUE SCREEN CODE:

I \$\$ACT^ORQQPXR(M(Y)

INSTANCE DATA TYPE: numeric

INSTANCE HELP: Enter a sequential number for identifying the reminder.

DESCRIPTION: Returns an array of clinical reminders for a patient which can then be used for searches and displays similar to the way they are used in Health Summary.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: LOCATION

PRECEDENCE: 3      ENTITY FILE: SERVICE

PRECEDENCE: 4      ENTITY FILE: DIVISION

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 6      ENTITY FILE: PACKAGE

## ORQQRA SEARCH RANGE

---

DISPLAY TEXT: Radiology Exam Date Range

VALUE TERM: Radiology Exam Number of Display Days

VALUE DATA TYPE: numeric

VALUE DOMAIN: 1:100000:0

VALUE HELP: Enter the number of days to search back in time for radiology exams.

DESCRIPTION: The number of days backwards in time to search for radiology/nuclear medicine exams/reports. If not indicated, the default period of 730 days (2 years) will be used. The maximum number of days is 100,000 or about 220 years.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: LOCATION

PRECEDENCE: 3      ENTITY FILE: SERVICE

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 4      ENTITY FILE: DIVISION

PRECEDENCE: 6      ENTITY FILE: PACKAGE

## ORQQVI CVP UNITS

---

DISPLAY TEXT: CVP Unit Entry

MULTIPLE VALUED: No

VALUE TERM: ENTER CVP IN cmH2O or mmHg

VALUE DATA TYPE: set of codes

VALUE DOMAIN: 0:cmH2O;1:mmHg

VALUE HELP: Enter CVP in cmH2O or mmHg units?

DESCRIPTION: This parameter is used to determine how the CVP vital sign is entered in the CPRS GUI. When set to 0 (default), CVP is entered as cmH2O, when set to 1, CVP is entered as mmHg.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 3      ENTITY FILE: SERVICE

PRECEDENCE: 4      ENTITY FILE: DIVISION

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 6      ENTITY FILE: PACKAGE

## ORQQVI DEFAULT VITALS LIST

---

DISPLAY TEXT: Default Vitals for CPRS GUI Entry

MULTIPLE VALUED: Yes

INSTANCE TERM: Sequence

VALUE TERM: Vital Type;Optional Qualifiers

VALUE DATA TYPE: free text

VALUE VALIDATION CODE: K:\$\$BADVALUE^ORQQVI3(X) X

INSTANCE DATA TYPE: numeric

INSTANCE DOMAIN: 1:999

INSTANCE HELP: Enter a Sequence number between 1 and 999

DESCRIPTION: This parameter is used to define the default list of vitals to enter in the CPRS GUI. This can be defined by USER, LOCATION, SERVICE, DIVISION or SYSTEM.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: LOCATION

PRECEDENCE: 3      ENTITY FILE: SERVICE

PRECEDENCE: 4      ENTITY FILE: DIVISION

PRECEDENCE: 5      ENTITY FILE: SYSTEM

## ORQQVI METRIC VITAL ENTRY

---

DISPLAY TEXT: Metric Vital Entry

MULTIPLE VALUED: No

VALUE TERM: ENTER VITALS IN METRIC UNITS

VALUE DATA TYPE: set of codes

VALUE DOMAIN: 0:NO;1:YES

VALUE HELP: Do you wish to enter vital signs using metric units?

DESCRIPTION: This parameter is used to determine how vital signs are entered in the CPRS GUI. When set to true, vitals are entered in metric units.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 3      ENTITY FILE: SERVICE

PRECEDENCE: 4      ENTITY FILE: DIVISION

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 6      ENTITY FILE: PACKAGE

## ORQQVS SEARCH RANGE START

---

**NOTE: This parameter is no longer used in CPRS. The parameter ORQQEAPT ENC APPT START now controls how many days in the past CPRS searches to display visits on the Encounter form.**

DISPLAY TEXT: Visit Search Start Date

MULTIPLE VALUED: No

VALUE TERM: Visit Search Start Date

VALUE DATA TYPE: free text

VALUE HELP: Enter relative start date to list visits. (e.g. T-120)

DESCRIPTION: Returns the relative date to start listing visits for a patient. For example, 'T-90' will list visits beginning 90 days before today.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: SERVICE

PRECEDENCE: 3      ENTITY FILE: DIVISION

PRECEDENCE: 4      ENTITY FILE: SYSTEM

PRECEDENCE: 5      ENTITY FILE: PACKAGE

## ORQQVS SEARCH RANGE STOP

---

**NOTE:** This parameter is no longer used in CPRS. The parameter **ORQQEAPT ENC APPT STOP** now controls how many days in the future CPRS searches to display visits on the Encounter form.

DISPLAY TEXT: Visit Search Stop Date

MULTIPLE VALUED: No

VALUE TERM: Visit Search Stop Date

VALUE DATA TYPE: free text

VALUE HELP: Enter the relative stop date to list visits. (e.g., T, T+30)

DESCRIPTION: Returns the relative date to end listing visits for a patient. For example, 'T' will not list visits later than today. 'T+30' will not list visits after 30 days from now.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: SERVICE

PRECEDENCE: 3      ENTITY FILE: DIVISION

PRECEDENCE: 4      ENTITY FILE: SYSTEM

PRECEDENCE: 5      ENTITY FILE: PACKAGE

## ORWCH BOUNDS

---

DISPLAY TEXT: Form or Control Boundaries

MULTIPLE VALUED: Yes

INSTANCE TERM: Form Name

VALUE TERM: Bounds (L,T,W,H)

VALUE DATA TYPE: free text

VALUE HELP: Enter in pixels the Left, Top, Width, & Height properties for this form.

VALUE VALIDATION CODE: I (X'?1.5N1","1.5N1","1.5N1","1.5N)&(X'="M") K X

INSTANCE DATA TYPE: free text    INSTANCE DOMAIN: 1:60

INSTANCE HELP: Enter the form name or form.control name (frmMain or frmMain.lstMyData).

DESCRIPTION: This parameter records bounds (position & size) information for the forms and controls in CPRSChart (Patient Chart GUI). The individual properties are comma delimited (left,top,width,height).

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 5      ENTITY FILE: PACKAGE

## ORWCH COLUMNS

---

DISPLAY TEXT: Column Widths

MULTIPLE VALUED: Yes

INSTANCE TERM: Name (Form.Control)

VALUE TERM: Column Widths

VALUE DATA TYPE: free text

VALUE HELP: Enter the widths of the columns in the control (separated by commas).

INSTANCE DATA TYPE: free text

INSTANCE HELP: Enter the form and control name (for example, frmMain.lstMyData).

DESCRIPTION: This records the widths of each column in a grid type control. The column widths are entered from left to right and delimited by commas. For example, "50,260,25,78,129".

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 5      ENTITY FILE: PACKAGE

## ORWCH COLUMNS REPORTS

---

DISPLAY TEXT: Report Column Widths

MULTIPLE VALUED: Yes

INSTANCE TERM: Report

VALUE TERM: Column Widths

VALUE DATA TYPE: free text

VALUE HELP: Enter the widths of the columns in the control (separate by commas).

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 101.24

DESCRIPTION: This records the widths of each column on Reports Tab grids. The column widths are entered from left to right and delimited by commas. For example, "50,260,25,78,129".

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 5      ENTITY FILE: PACKAGE

## ORWCH FONT SIZE

---

DISPLAY TEXT: Font Size for Chart

VALUE TERM: Font Size

VALUE DATA TYPE: numeric

VALUE HELP: Enter the preferred font size (in points).

DESCRIPTION: This saves the preferred font size for CPRS Chart.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 7      ENTITY FILE: DIVISION

PRECEDENCE: 8      ENTITY FILE: SYSTEM

## ORWCH WIDTH

---

DISPLAY TEXT: Control Width

MULTIPLE VALUED: Yes

INSTANCE TERM: Name (Form.Control)

VALUE TERM: Width

VALUE DATA TYPE: numeric

VALUE HELP: Enter the width property for the control.

INSTANCE DATA TYPE: free text

INSTANCE HELP: Enter the form and control names (example: frmMain.lstMyData).

DESCRIPTION: This records the width property for a control in CPRSChart (Patient Chart GUI). In particular, it is used for recording the positions of splitter bars.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 5      ENTITY FILE: PACKAGE

## **ORWCOM ORDER ACCEPTED**

---

DISPLAY TEXT: COM Object on Order Acceptance  
MULTIPLE VALUED: Yes  
INSTANCE TERM: Order Display Group  
VALUE TERM: COM Object  
VALUE DATA TYPE: Pointer  
VALUE DOMAIN: 101.15  
VALUE HELP: COM Object to activate on order acceptance  
INSTANCE DATA TYPE: Pointer  
INSTANCE DOMAIN: 100.98  
INSTANCE HELP: Order Display Group  
DESCRIPTION: COM Objects to activate on order acceptance  
PRECEDENCE: 6      ENTITY FILE: SYSTEM  
PRECEDENCE: 5      ENTITY FILE: DIVISION  
PRECEDENCE: 3      ENTITY FILE: SERVICE  
PRECEDENCE: 1      ENTITY FILE: USER

## **ORWCOM PATIENT SELECTED**

---

DISPLAY TEXT: COM Object on Patient Selection  
MULTIPLE VALUED: No  
VALUE TERM: COM Object  
VALUE DATA TYPE: Pointer  
VALUE DOMAIN: 101.15  
PRECEDENCE: 6      ENTITY FILE: SYSTEM  
PRECEDENCE: 5      ENTITY FILE: DIVISION  
PRECEDENCE: 3      ENTITY FILE: SERVICE  
PRECEDENCE: 1      ENTITY FILE: SERVICE

## **ORWD NONVA REASON**

---

DISPLAY TEXT: Non-VA Meds Statement/Reason  
MULTIPLE VALUED: Yes  
INSTANCE TERM: Sequence  
VALUE TERM: Statement/Reason  
VALUE DATA TYPE: free text  
VALUE DOMAIN: 1:60



VALUE HELP: Enter a reason or statement for ordering non-VA meds (60 chars max)

INSTANCE DATA TYPE: numeric

INSTANCE HELP: Enter a numeric sequence number for the statement/reason.

DESCRIPTION: This parameter lists the reasons and statements for ordering/documenting a non-VA medication. Non-VA meds include herbals, OTCs (over-the-counter medications) and prescriptions not obtained at VA pharmacies or from VA mail delivery services.

PRECEDENCE: 1      ENTITY FILE: DIVISION

PRECEDENCE: 2      ENTITY FILE: SYSTEM

PRECEDENCE: 3      ENTITY FILE: PACKAGE

## **ORWDP DEFAULT PRINTER**

---

DISPLAY TEXT: Default printer for CPRS GUI

MULTIPLE VALUED: No INSTANCE TERM: DEVICE

VALUE TERM: DEFAULT PRINTER      PROHIBIT EDITING: No

VALUE DATA TYPE: pointer

VALUE DOMAIN: 3.5

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 4      ENTITY FILE: LOCATION

## **ORWDP WINPRINT DEFAULT**

---

DISPLAY TEXT: Use Windows printer as default?

VALUE DATA TYPE: yes/no

VALUE HELP: Set to YES to use Windows printer as default.

DESCRIPTION: If set to YES, CPRS GUI will display Windows standard printer selection dialog instead of the VistA printer selection dialog. If set to NO, the standard VistA printer selection dialog will be displayed, still allowing selection of a Windows printer, but requiring an additional prompt.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 3      ENTITY FILE: SYSTEM

PRECEDENCE: 4      ENTITY FILE: PACKAGE

PRECEDENCE: 2      ENTITY FILE: LOCATION

## ORWDPS ROUTING DEFAULT

---

DISPLAY TEXT: Medication Routing Default (GUI)

MULTIPLE VALUED: No

VALUE TERM: Routing Default Value

VALUE DATA TYPE: set of codes

VALUE DOMAIN: W:at Window;M:by Mail;C:in Clinic;N:no default

VALUE HELP: This value will be the default entry for 'Pick up' in the Output Meds GUI dialog.

DESCRIPTION: This will be the default value for Pickup in the Outpatient Medications GUI ordering dialog.

PRECEDENCE: 5      ENTITY FILE: SYSTEM

## ORWDQ ANI

---

DISPLAY TEXT: Common Angio/Neuro Orders

MULTIPLE VALUED: Yes

INSTANCE TERM: Sequence

VALUE TERM: Quick Order

VALUE DATA TYPE: pointer

VALUE DOMAIN: 101.41

VALUE HELP: Select an Angio/Neuro quick order.

VALUE SCREEN CODE:

I \$P(^0,U,4)="Q",(\$P(^0,U,5)=\$O(^ORD(100.98,"B","ANI",0)))

INSTANCE DATA TYPE: numeric

INSTANCE HELP: Enter the sequence for this procedure.

DESCRIPTION: Contains the list of Angio/Neuro quick orders for display at the top of the procedures list box in the GUI ordering dialog.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 3      ENTITY FILE: LOCATION

PRECEDENCE: 8      ENTITY FILE: SYSTEM

PRECEDENCE: 6      ENTITY FILE: DIVISION

## ORWDQ CARD

---

DISPLAY TEXT: Common Cardiology (Nuc Med) Orders

MULTIPLE VALUED: Yes

INSTANCE TERM: Sequence

VALUE TERM: Quick Order

VALUE DATA TYPE: pointer

VALUE DOMAIN: 101.41

VALUE HELP: Select a Cardiology (Nuc Med) quick order.

VALUE SCREEN CODE

I \$P(^ (0),U,4)="Q",(\$P(^ (0),U,5)=\$O(^ORD(100.98,"B","CARD",0)))

INSTANCE DATA TYPE: numeric

INSTANCE HELP: Enter the sequence for this procedure.

DESCRIPTION: Contains the list of Cardiology (Nuc Med) quick orders for display at the top of the procedures list box in the GUI ordering dialog.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 3      ENTITY FILE: LOCATION

PRECEDENCE: 8      ENTITY FILE: SYSTEM

PRECEDENCE: 6      ENTITY FILE: DIVISION

## ORWDQ CSLT

---

DISPLAY TEXT: Common Consult Orders

MULTIPLE VALUED: Yes

INSTANCE TERM: Sequence

VALUE TERM: Quick Order

VALUE DATA TYPE: pointer

VALUE DOMAIN: 101.41

VALUE HELP: Select a consult quick order.

VALUE SCREEN CODE:

I \$P(^ (0),U,4)="Q",(\$P(^ (0),U,5)=\$O(^ORD(100.98,"B","CSLT",0)))

INSTANCE DATA TYPE: numeric

INSTANCE HELP: Enter the sequence for this consult order.

DESCRIPTION: Contains the list of common consult orders for display at the top of the Consult Service list box in the GUI ordering dialog.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 3      ENTITY FILE: LOCATION

PRECEDENCE: 8      ENTITY FILE: SYSTEM

PRECEDENCE: 6      ENTITY FILE: DIVISION

## ORWDQ CT

---

DISPLAY TEXT: Common CT Scan Orders

MULTIPLE VALUED: Yes

INSTANCE TERM: Sequence

VALUE TERM: Quick Order

VALUE DATA TYPE: pointer

VALUE DOMAIN: 101.41

VALUE HELP: Select a CT Scan quick order.

VALUE SCREEN CODE:

I \$P(^0),U,4)="Q",(\$P(^0),U,5)=\$O(^ORD(100.98,"B","CT",0)))

INSTANCE DATA TYPE: numeric

INSTANCE HELP: Enter the sequence for this procedure.

DESCRIPTION: Contains the list of CT Scan quick orders for display at the top of the procedures list box in the GUI ordering dialog.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 3      ENTITY FILE: LOCATION

PRECEDENCE: 8      ENTITY FILE: SYSTEM

PRECEDENCE: 6      ENTITY FILE: DIVISION

## ORWDQ DISPLAY NAME

---

DISPLAY TEXT: Quick Order Display Name

MULTIPLE VALUED: Yes

INSTANCE TERM: Quick Order

VALUE TERM: Display Name

VALUE DATA TYPE: free text

VALUE DOMAIN: 1:80

VALUE HELP: Enter the display name to be used for this quick order.

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 101.41

INSTANCE HELP: Select a quick order from the ORDER DIALOG file.

DESCRIPTION: This parameter allows a user to create their own aliases for quick orders.

PRECEDENCE: 5      ENTITY FILE: USER

## ORWDQ DO

---

DISPLAY TEXT: Common Diet Orders

MULTIPLE VALUED: Yes

INSTANCE TERM: Sequence

VALUE TERM: Quick Order

VALUE DATA TYPE: pointer

VALUE DOMAIN: 101.41

VALUE HELP: Select an diet quick order.

VALUE SCREEN CODE:

I \$P(^0),U,4)="Q",(\$P(^0),U,5)=\$O(^ORD(100.98,"B","DO",0)))

INSTANCE DATA TYPE: numeric

INSTANCE HELP: Enter the sequence for this lab order.

DESCRIPTION: Contains the list of common diet orders for display at the top of the Diet Components list box in the GUI ordering dialog.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 3      ENTITY FILE: LOCATION

PRECEDENCE: 8      ENTITY FILE: SYSTEM

PRECEDENCE: 6      ENTITY FILE: DIVISION

PRECEDENCE: 15     ENTITY FILE: PACKAGE

## ORWDQ IV RX

---

DISPLAY TEXT: Common IV Fluid Orders

MULTIPLE VALUED: Yes

INSTANCE TERM: Sequence

VALUE TERM: Quick Order

VALUE DATA TYPE: pointer

VALUE DOMAIN: 101.41

VALUE HELP: Select an IV Fluid quick order.

VALUE SCREEN CODE:

I \$P(^0),U,4)="Q",(\$P(^0),U,5)=\$O(^ORD(100.98,"B","IV RX",0)))

INSTANCE DATA TYPE: numeric

INSTANCE HELP: Enter the sequence for this IV Fluid quick order.

DESCRIPTION: Contains the list of common IV Fluid orders for display at the top of the IV Fluids list box in the GUI ordering dialog.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 3      ENTITY FILE: LOCATION

PRECEDENCE: 8      ENTITY FILE: SYSTEM

PRECEDENCE: 6      ENTITY FILE: DIVISION

## ORWDQ LAB

---

DISPLAY TEXT: Common Lab Orders

MULTIPLE VALUED: Yes

INSTANCE TERM: Sequence

VALUE TERM: Quick Order

VALUE DATA TYPE: pointer

VALUE DOMAIN: 101.41

VALUE HELP: Select an laboratory quick order.

VALUE SCREEN CODE:

I \$P^(0),U,4)="Q",(\$P^(0),U,5)=\$O(^ORD(100.98,"B","LAB",0)))

INSTANCE DATA TYPE: numeric

INSTANCE HELP: Enter the sequence for this lab order.

DESCRIPTION: Contains the list of common lab orders for display at the top of the Lab Tests list box in the GUI ordering dialog.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 3      ENTITY FILE: LOCATION

PRECEDENCE: 8      ENTITY FILE: SYSTEM

PRECEDENCE: 6      ENTITY FILE: DIVISION

## ORWDQ MAM

---

DISPLAY TEXT: Common Mammography Orders

MULTIPLE VALUED: Yes

INSTANCE TERM: Sequence

VALUE TERM: Quick Order

VALUE DATA TYPE: pointer

VALUE DOMAIN: 101.41

VALUE HELP: Select a Mammography quick order.

VALUE SCREEN CODE:

I \$P^(0),U,4)="Q",(\$P^(0),U,5)=\$O(^ORD(100.98,"B","MAM",0)))

INSTANCE DATA TYPE: numeric

INSTANCE HELP: Enter the sequence for this procedure.

DESCRIPTION: Contains the list of Mammography quick orders for display at the top of the procedures list box in the GUI ordering dialog.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 3      ENTITY FILE: LOCATION

PRECEDENCE: 8      ENTITY FILE: SYSTEM

PRECEDENCE: 6      ENTITY FILE: DIVISION

## ORWDQ MRI

---

DISPLAY TEXT: Common MRI Orders

MULTIPLE VALUED: Yes

INSTANCE TERM: Sequence

VALUE TERM: Quick Order

VALUE DATA TYPE: pointer

VALUE DOMAIN: 101.41

VALUE HELP: Select a MRI quick order.

VALUE SCREEN CODE:

I \$P(^ (0),U,4)="Q",(\$P(^ (0),U,5)=\$O(^ORD(100.98,"B","MRI",0)))

INSTANCE DATA TYPE: numeric

INSTANCE HELP: Enter the sequence for this procedure.

DESCRIPTION: Contains the list of MRI quick orders for display at the top of the procedures list box in the GUI ordering dialog.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 3      ENTITY FILE: LOCATION

PRECEDENCE: 8      ENTITY FILE: SYSTEM

PRECEDENCE: 6      ENTITY FILE: DIVISION

## ORWDQ NM

---

DISPLAY TEXT: Common Nuclear Med Orders

MULTIPLE VALUED: Yes

INSTANCE TERM: Sequence

VALUE TERM: Quick Order

VALUE DATA TYPE: pointer

VALUE DOMAIN: 101.41

VALUE HELP: Select a Nuclear Med quick order.

VALUE SCREEN CODE:

I \$P(^ (0),U,4)="Q",(\$P(^ (0),U,5)=\$O(^ORD(100.98,"B","NM",0)))

INSTANCE DATA TYPE: numeric

INSTANCE HELP: Enter the sequence for this procedure.

DESCRIPTION: Contains the list of Nuclear Med quick orders for display at the top of the procedures list box in the GUI ordering dialog.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 3      ENTITY FILE: LOCATION

PRECEDENCE: 8      ENTITY FILE: SYSTEM

PRECEDENCE: 6      ENTITY FILE: DIVISION

## ORWDQ O RX

---

DISPLAY TEXT: Common Med Orders (Outpatient)

MULTIPLE VALUED: Yes

INSTANCE TERM: Sequence

VALUE TERM: Quick Order

VALUE DATA TYPE: pointer

VALUE DOMAIN: 101.41

VALUE HELP: Select an outpatient medication quick order.

VALUE SCREEN CODE:

I \$P(^ (0),U,4)="Q",(\$P(^ (0),U,5)=\$O(^ORD(100.98,"B","O RX",0)))

INSTANCE DATA TYPE: numeric

INSTANCE HELP: Enter the sequence for this medication.

DESCRIPTION: Contains the list of common outpatient meds for display at the top of the Meds list box in the GUI ordering dialog.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 3      ENTITY FILE: LOCATION

PRECEDENCE: 8      ENTITY FILE: SYSTEM

PRECEDENCE: 6      ENTITY FILE: DIVISION

## ORWDQ PROC

---

DISPLAY TEXT: Common Procedure Orders

MULTIPLE VALUED: Yes

INSTANCE TERM: Sequence

VALUE TERM: Quick Order

VALUE DATA TYPE: pointer

VALUE DOMAIN: 101.41

VALUE HELP: Select an procedure quick order.

VALUE SCREEN CODE:

I \$P(^ (0),U,4)="Q",(\$P(^ (0),U,5)=\$O(^ORD(100.98,"B","PROC",0)))

INSTANCE DATA TYPE: numeric

INSTANCE HELP: Enter the sequence for this lab order.

DESCRIPTION: Contains the list of common procedure orders for display at the top of the Procedures list box in the GUI ordering dialog.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 3      ENTITY FILE: LOCATION

PRECEDENCE: 8      ENTITY FILE: SYSTEM

PRECEDENCE: 6      ENTITY FILE: DIVISION



## ORWDQ RAD

---

DISPLAY TEXT: Common Radiology Orders

MULTIPLE VALUED: Yes

INSTANCE TERM: Sequence

VALUE TERM: Quick Order

VALUE DATA TYPE: pointer

VALUE DOMAIN: 101.41

VALUE HELP: Select a General Radiology quick order.

VALUE SCREEN CODE:

I \$P(^ (0),U,4)="Q",(\$P(^ (0),U,5)=\$O(^ORD(100.98,"B","RAD",0)))

INSTANCE DATA TYPE: numeric

INSTANCE HELP: Enter the sequence for this radiology order.

DESCRIPTION: Contains the list of common radiology orders for display at the top of the procedures list box in the GUI ordering dialog.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 3      ENTITY FILE: LOCATION

PRECEDENCE: 8      ENTITY FILE: SYSTEM

PRECEDENCE: 6      ENTITY FILE: DIVISION

## ORWDQ TF

---

DISPLAY TEXT: Common Tubefeeding Orders

MULTIPLE VALUED: Yes

INSTANCE TERM: Sequence

VALUE TERM: Quick Order

VALUE DATA TYPE: pointer

VALUE DOMAIN: 101.41

VALUE HELP: Select a tubefeeding quick order.

VALUE SCREEN CODE:

I \$P(^ (0),U,4)="Q",(\$P(^ (0),U,5)=\$O(^ORD(100.98,"B","TF",0)))

INSTANCE DATA TYPE: numeric

INSTANCE HELP: Enter the sequence for this tubefeeding order.

DESCRIPTION: Contains the list of common tubefeeding diet orders for display at the top of the Tubefeeding Products list box in the GUI ordering dialog.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 3      ENTITY FILE: LOCATION

PRECEDENCE: 8      ENTITY FILE: SYSTEM

PRECEDENCE: 6      ENTITY FILE: DIVISION

PRECEDENCE: 15     ENTITY FILE: PACKAGE

## ORWDQ UD RX

---

DISPLAY TEXT: Common Med Orders (Inpatient)

MULTIPLE VALUED: Yes

INSTANCE TERM: Sequence

VALUE TERM: Quick Order

VALUE DATA TYPE: pointer

VALUE DOMAIN: 101.41

VALUE HELP: Select an inpatient medication quick order.

VALUE SCREEN CODE:

I \$P(^ (0),U,4)="Q",(\$P(^ (0),U,5)=\$O(^ORD(100.98,"B","UD RX",0)))

INSTANCE DATA TYPE: numeric

INSTANCE HELP: Enter the sequence for this medication.

DESCRIPTION: Contains the list of common inpatient meds for display at the top of the Meds list box in the GUI ordering dialog.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 3      ENTITY FILE: LOCATION

PRECEDENCE: 8      ENTITY FILE: SYSTEM

PRECEDENCE: 6      ENTITY FILE: DIVISION

## ORWDQ US

---

DISPLAY TEXT: Common Ultrasound Orders

MULTIPLE VALUED: Yes

INSTANCE TERM: Sequence

VALUE TERM: Quick Order

VALUE DATA TYPE: pointer

VALUE DOMAIN: 101.41

VALUE HELP: Select an Ultrasound quick order.

VALUE SCREEN CODE:

I \$P(^ (0),U,4)="Q",(\$P(^ (0),U,5)=\$O(^ORD(100.98,"B","US",0)))

INSTANCE DATA TYPE: numeric

INSTANCE HELP: Enter the sequence for this procedure.

DESCRIPTION: Contains the list of Ultrasound quick orders for display at the top of the procedures list box in the GUI ordering dialog.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 3      ENTITY FILE: LOCATION

PRECEDENCE: 8      ENTITY FILE: SYSTEM

PRECEDENCE: 6      ENTITY FILE: DIVISION

## ORWDQ VAS

---

DISPLAY TEXT: Common Vascular Lab Orders

MULTIPLE VALUED: Yes

INSTANCE TERM: Sequence

VALUE TERM: Quick Order

VALUE DATA TYPE: pointer

VALUE DOMAIN: 101.41

VALUE HELP: Select a Vascular Lab quick order.

VALUE SCREEN CODE:

I \$P(^ (0),U,4)="Q",(\$P(^ (0),U,5)=\$O(^ORD(100.98,"B","VAS",0)))

INSTANCE DATA TYPE: numeric

INSTANCE HELP: Enter the sequence for this procedure.

DESCRIPTION: Contains the list of Vascular Lab quick orders for display at the top of the procedures list box in the GUI ordering dialog.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 3      ENTITY FILE: LOCATION

PRECEDENCE: 8      ENTITY FILE: SYSTEM

PRECEDENCE: 6      ENTITY FILE: DIVISION

## ORWDQ XRAY

---

DISPLAY TEXT: Common Imaging Orders

MULTIPLE VALUED: Yes

INSTANCE TERM: Sequence

VALUE TERM: Quick Order

VALUE DATA TYPE: pointer

VALUE DOMAIN: 101.41

VALUE HELP: Select an imaging quick order.

VALUE SCREEN CODE:

I \$P(^ (0),U,4)="Q",(\$P(^ (0),U,5)=\$O(^ORD(100.98,"B","XRAY",0)))

INSTANCE DATA TYPE: numeric

INSTANCE HELP: Enter the sequence for this imaging order.

DESCRIPTION: Contains the list of common imaging orders for display at the top of the procedures list box in the GUI ordering dialog.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 3      ENTITY FILE: LOCATION

PRECEDENCE: 8      ENTITY FILE: SYSTEM

PRECEDENCE: 6      ENTITY FILE: DIVISION

## ORWDX NEW CONSULT

---

DISPLAY TEXT: New consult dialog default

VALUE TERM: Order Dialog

VALUE DATA TYPE: pointer

VALUE DOMAIN: 101.41

VALUE HELP: Enter the entry from the dialog file that should be used for new consults

VALUE SCREEN CODE:

I (\$P(^ (0),U,4)="D"&+\$P(\$G(^ (5)),U,5))!(\$P(^ (0),U,4)="M")

DESCRIPTION: This parameter is used to define the default menu, dialog, or quick order that should appear when the user selects New Consult from the consults tab.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 3      ENTITY FILE: SYSTEM

PRECEDENCE: 4      ENTITY FILE: PACKAGE

PRECEDENCE: 2      ENTITY FILE: LOCATION

## ORWDX NEW MED

---

DISPLAY TEXT: New Med Dialog

MULTIPLE VALUED: Yes

INSTANCE TERM: Patient Status

VALUE TERM: Order Dialog

VALUE DATA TYPE: pointer

VALUE DOMAIN: 101.41

VALUE HELP: Enter the entry from the dialog file that should be used for a new med order.

VALUE SCREEN CODE:I (\$P(^ (0),U,4)="D"&+\$P(\$G(^ (5)),U,5))!(\$P(^ (0),U,4)="M")

INSTANCE DATA TYPE: set of codes

INSTANCE DOMAIN: i:Inpatient;o:Outpatient

INSTANCE HELP: Enter the status of patient to which this dialog should apply.

DESCRIPTION: This parameter is used to present the order dialog for a New Medication on the Meds tab of the CPRS GUI. A separate order dialog can be used for inpatients and outpatients.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 3      ENTITY FILE: SYSTEM

PRECEDENCE: 4      ENTITY FILE: PACKAGE

## ORWDX NEW PROCEDURE

---

DISPLAY TEXT: New procedure dialog default

VALUE TERM: Order Dialog

VALUE DATA TYPE: pointer

VALUE DOMAIN: 101.41

VALUE HELP: Enter the entry from the dialog file that should be used for new procedures

VALUE SCREEN CODE: I

(\$P(^0),U,4)="D"&+\$P(\$G(^5),U,5))!(\$P(^0),U,4)="M")DESCRIPTION: This parameter is used to define the default menu, dialog, or quick order that should appear when the user selects New Procedure from the consults tab.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 3      ENTITY FILE: SYSTEM

PRECEDENCE: 4      ENTITY FILE: PACKAGE

PRECEDENCE: 2      ENTITY FILE: LOCATION

## ORWDX WRITE ORDERS EVENT LIST

---

DISPLAY TEXT: Menu for Write Orders List by Event

MULTIPLE VALUED: Yes

INSTANCE TERM: Delay Event

VALUE DATA TYPE: pointer

VALUE DOMAIN: 101.41

VALUE HELP: Enter an ORDER DIALOG menu for the Write Orders list box when delaying orders.

VALUE SCREEN CODE: I \$P(^0),U,4)="M"

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 100.5

INSTANCE HELP: Select a delay event for which you wish to override the Write Orders menu.

DESCRIPTION: This parameter is used to identify a menu in the ORDER DIALOG file that will be used as the list of items that may be selected in the Write Orders list box of the CPRS GUI when placing orders that are to be delayed until the selected EVENT occurs.

PRECEDENCE: 2      ENTITY FILE: USER

PRECEDENCE: 4      ENTITY FILE: LOCATION

PRECEDENCE: 5      ENTITY FILE: SERVICE

PRECEDENCE: 7      ENTITY FILE: DIVISION

PRECEDENCE: 8      ENTITY FILE: SYSTEM

## ORWDX WRITE ORDERS LIST

---

DISPLAY TEXT: Menu for Write Orders List

MULTIPLE VALUED: No

VALUE TERM: Order Dialog

VALUE DATA TYPE: pointer

VALUE DOMAIN: 101.41

VALUE HELP: Enter an ORDER DIALOG menu that will be used for the Write Orders list box.

VALUE SCREEN CODE: I \$P(^ (0),U,4)="M"

DESCRIPTION: This parameter is used to identify a menu in the ORDER DIALOG file that will be used as the list of items that may be selected in the Write Orders list box of the CPRS GUI.

PRECEDENCE: 2      ENTITY FILE: USER

PRECEDENCE: 7      ENTITY FILE: DIVISION

PRECEDENCE: 8      ENTITY FILE: SYSTEM

PRECEDENCE: 4      ENTITY FILE: LOCATION

PRECEDENCE: 5      ENTITY FILE: SERVICE

## ORWDXM ORDER MENU STYLE

---

DISPLAY TEXT: Order Menu Style

VALUE TERM: Menu Style

VALUE DATA TYPE: set of codes

VALUE DOMAIN: 0:Mnemonics Included;1:No Mnemonics;2:Reserved1;3:Reserved2

VALUE HELP: Select the style of ordering menu to be used with the GUI.

DESCRIPTION: Determines whether GUI order menus include mnemonics.

PRECEDENCE: 4      ENTITY FILE: PACKAGE

PRECEDENCE: 2      ENTITY FILE: SYSTEM

## ORWDXVB VBECS TNS CHECK

---

DISPLAY TEXT: Days to check for Type & Screen

VALUE TERM: # of Days

VALUE DATA TYPE: numeric

VALUE HELP: Enter the number of days to check for a Type & Screen Order

DESCRIPTION: This is used in the VBECS Order Dialog to check for recent orders for a Type & Screen order. The default is 3 days, but a site can override this number by setting this parameter to something different.

PRECEDENCE: 7      ENTITY FILE: DIVISION

PRECEDENCE: 8      ENTITY FILE: SYSTEM

## ORWG GRAPH EXCLUDE DATA TYPE

---

DISPLAY TEXT: CPRS Graph Exclude Data Types

MULTIPLE VALUED: No

VALUE DATA TYPE: free text

DESCRIPTION: Used to exclude data types from being used by graphing. Value is semicolon delimited list of files to be excluded.

|               |                       |
|---------------|-----------------------|
| PRECEDENCE: 8 | ENTITY FILE: SYSTEM   |
| PRECEDENCE: 7 | ENTITY FILE: DIVISION |
| PRECEDENCE: 9 | ENTITY FILE: PACKAGE  |
| PRECEDENCE: 3 | ENTITY FILE: SERVICE  |
| PRECEDENCE: 1 | ENTITY FILE: USER     |

## ORWG GRAPH PUBLIC EDITOR CLASS

---

DISPLAY TEXT: CPRS Graph Public Editor Classes

MULTIPLE VALUED: Yes

INSTANCE TERM: Sequence Number

VALUE TERM: User Class

VALUE DATA TYPE: pointer

VALUE DOMAIN: 8930

VALUE HELP: Enter the User Class for public editing of graphs.

INSTANCE DATA TYPE: numeric

INSTANCE HELP: Enter a sequential number for identifying the user class.

DESCRIPTION: This parameter contains a list of ASU user classes who's members are allowed to edit public views and settings for graphs. Users that belong to the user class for a specific entity have this authority.

For example:

| <b>Parameter</b>       | <b>Instance</b> | <b>Value</b>         |
|------------------------|-----------------|----------------------|
| SYS: VASITE.MED.VA.GOV | 2               | CLINICAL COORDINATOR |

This provides Technical Users and Clinical Coordinators on this system with access to edit public views and settings on graphs.

|               |                     |
|---------------|---------------------|
| PRECEDENCE: 5 | ENTITY FILE: SYSTEM |
|---------------|---------------------|

## ORWG GRAPH SETTING

---

DISPLAY TEXT: CPRS Graph Settings

MULTIPLE VALUED: No

VALUE DATA TYPE: free text

DESCRIPTION: Used as preference of graph default styles and sources. Deletion of this value at the Package level will disable graphing. User settings and public default should use the Graph Settings dialog to change these values. The structure of this parameter is a | delimited | string where the pieces are:

- 1 - file listing delimited by ;
- 2 - options where the corresponding letter activates that feature
- 3 - sort column number (used internally)
- 4 - max graphs
- 5 - min graph height
- 6 - (not used)
- 7 - max selection
- 8 - max selection limit (may be set to at system level to limit number of items that users may select for graphing—default is 1000)

Files:

Admissions - 405, Allergies - 120.8, Anatomic Pathology - 63AP, Blood Bank - 63BB, Exams - 9000010.13, Health Factors - 9000010.23, Immunizations - 9000010.11, Lab Tests - 63, Medication, BCMA - 53.79, Medication, Inpatient - 55, Medication, Non-VA - 55NVA, Medication, Outpatient - 52, Medicine - 690, Mental Health - 601.2, Microbiology - 63MI, Notes - 8925, Orders - 100, Patient Education - 9000010.16, Problems - 9000011, Procedures - 9000010.18, Purpose of Visit - 9000010.07, Radiology Exams - 70, Registration, DX - 45DX, Registration, OP/Proc - 45OP, Skin Tests - 9000010.12, Surgery - 130, Visits - 9000010, Vitals - 120.5

Also (for grouping):

Drug Class - 50.605, Reminder Taxonomy - 811.2

Options:

A - 3D, B - Clear Background, C - Dates, D - Gradient, E - Hints, F - Legend, G - Lines, H - Sort by Type, I - Stay on Top, J - Values, K - Zoom, Horizontal, L - Zoom, Vertical, M - Fixed Date Range

PRECEDENCE: 1

ENTITY FILE: USER

PRECEDENCE: 9

ENTITY FILE: PACKAGE

PRECEDENCE: 8

ENTITY FILE: SYSTEM



## ORWG GRAPH SIZING

---

DISPLAY TEXT: CPRS Graph Position and Sizes

MULTIPLE VALUED: Yes

INSTANCE TERM: Setting

VALUE TERM: Settings

VALUE DATA TYPE: free text

INSTANCE DATA TYPE: free text

INSTANCE DOMAIN: 2:30

DESCRIPTION: This parameter is used internally to save positions of graph forms.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 5      ENTITY FILE: PACKAGE

## ORWG GRAPH VIEW

---

DISPLAY TEXT: CPRS Graph Views

MULTIPLE VALUED: Yes

INSTANCE TERM: VIEWS

VALUE TERM: View

VALUE DATA TYPE: word processing

INSTANCE DATA TYPE: free text

INSTANCE DOMAIN: 3:30

INSTANCE HELP: The view name must be 3-30 characters

DESCRIPTION: This parameter is used internally to store graph views. Graph views are edited using the Define Views dialog.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 8      ENTITY FILE: SYSTEM

## ORWIM NSS MESSAGE

---

DISPLAY TEXT: Message for Non-Standard Schedule

MULTIPLE VALUED: No

VALUE DATA TYPE: free text

DESCRIPTION:

This parameter enables sites to define what message displays in the top warning box on the Order with Schedule "OTHER" dialog for inpatient medications. Through this dialog, providers can enter customized day-of-week or administration-time schedules for administering medications, but the message should inform providers how orders with customized schedules will be handled, such as the possibility of a delay or an action that the provider should take, such as calling the pharmacy to arrange a valid schedule.

PRECEDENCE: 2

ENTITY FILE: DIVISION

PRECEDENCE: 1

ENTITY FILE: SERVICE

PRECEDENCE: 3

ENTITY FILE: SYSTEM

## ORWLR LC CHANGED TO WC

---

DISPLAY TEXT: MESSAGE FOR LC CHANGED TO WC

MULTIPLE VALUED: No

VALUE DATA TYPE: free text

VALUE HELP: Enter up to 80 characters of instructions to the user.

VALUE VALIDATION CODE: K:(\$L(X)>80) X

INSTANCE DATA TYPE: free text

DESCRIPTION: When the system automatically changes lab collect orders to ward collect, provides instructions to the user regarding specimen collection for those changed orders.

PRECEDENCE: 5

ENTITY FILE: LOCATION

PRECEDENCE: 10

ENTITY FILE: SERVICE

PRECEDENCE: 15

ENTITY FILE: DIVISION

PRECEDENCE: 20

ENTITY FILE: SYSTEM

PRECEDENCE: 25

ENTITY FILE: PACKAGE

## ORWOR AUTO CLOSE PT MSG

---

DISPLAY TEXT: Auto-Close Patient Messages

VALUE TERM: Close Message Window in (Seconds):

VALUE DATA TYPE: numeric

VALUE DOMAIN: 0:99

VALUE HELP: Enter the number of seconds that the patient message display should remain open.

DESCRIPTION: This parameter controls how long the patient messages window displays before automatically closing. The default is 5. If the number of seconds is set to 0, the window will remain open until the user clicks it closed.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 10     ENTITY FILE: PACKAGE

## **ORWOR AUTOSAVE NOTE**

---

DISPLAY TEXT: Interval for Autosave of Notes

MULTIPLE VALUED: No

VALUE TERM: Auto-Save Interval

VALUE DATA TYPE: numeric

VALUE DOMAIN: 0:9999

VALUE HELP: Enter the interval (in seconds) that notes should be auto-saved.

DESCRIPTION: This parameter determines how many seconds should elapse between each auto-save of a note that is being edited in the GUI.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 10     ENTITY FILE: PACKAGE

## **ORWOR BROADCAST MESSAGES**

---

DISPLAY TEXT: Broadcast Window Messages to Other Apps

VALUE TERM: Enable Broadcasting Windows Messages

VALUE DATA TYPE: yes/no

VALUE HELP: Enter 'yes' to allow CPRS to notify other applications via windows messages.

DESCRIPTION: This parameter may be used to disable the use of windows messaging to notify other applications of CPRS events. Normally, this parameter should be set to 'Yes'. If other applications do not respond appropriately to broadcast messages, this parameter may be set to 'No' to debug these applications.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 10     ENTITY FILE: PACKAGE

## ORWOR CATEGORY SEQUENCE

---

DISPLAY TEXT: Orders Category Sequence

MULTIPLE VALUED: Yes

INSTANCE TERM: Sequence

VALUE TERM: Display Group

VALUE DATA TYPE: pointer

VALUE DOMAIN: 100.98

VALUE HELP: Enter the display group of orders to be listed at this sequence.

INSTANCE DATA TYPE: numeric

INSTANCE DOMAIN: 1:999

INSTANCE HELP: Enter a number representing the sequence for this display group.

DESCRIPTION: Multiple instances of this parameter combine to form a list of the display groups shown in the order review screen. Orders are displayed by the sequence identified in this list.

PRECEDENCE: 10      ENTITY FILE: PACKAGE

PRECEDENCE: 8        ENTITY FILE: SYSTEM

PRECEDENCE: 4        ENTITY FILE: USER

## ORWOR COVER RETRIEVAL

---

DISPLAY TEXT: Cover Sheet Retrieval Mode

MULTIPLE VALUED: Yes

INSTANCE TERM: Section

VALUE TERM: Background Retrieval

VALUE DATA TYPE: yes/no

VALUE HELP: Enter 'Yes' if this cover sheet section should be loaded in the background.

INSTANCE DATA TYPE: set of codes

INSTANCE DOMAIN: p:Problem List;c:CWAD  
(Postings);m:Medications;r:Reminders;l:Lab Results;v:Vitals;e:Encounters

INSTANCE HELP: Select a cover sheet section.

DESCRIPTION: This parameter controls whether each cover sheet section is loaded in the foreground or background.

PRECEDENCE: 1        ENTITY FILE: SYSTEM

PRECEDENCE: 2        ENTITY FILE: PACKAGE

## **ORWOR DISABLE HOLD ORDERS**

---

DISPLAY TEXT: Disable Hold/Unhold Actions in GUI

VALUE TERM: Disable Hold

VALUE DATA TYPE: yes/no

VALUE HELP: Enter yes if using the Hold/Unhold actions should be disallowed in GUI.

DESCRIPTION: This parameter will prevent orders from being placed on hold.

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 9      ENTITY FILE: PACKAGE

## **ORWOR DISABLE ORDERING**

---

DISPLAY TEXT: Disable Ordering in GUI

VALUE TERM: Disable Ordering

VALUE DATA TYPE: yes/no

VALUE HELP: Enter 'Yes' if you wish to disable ordering and order action in the GUI.

DESCRIPTION: This parameter disables writing orders and taking actions on orders in the GUI.

PRECEDENCE: 10      ENTITY FILE: PACKAGE

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 2      ENTITY FILE: USER

## **ORWOR DISABLE WEB ACCESS**

---

DISPLAY TEXT: Disable web links in GUI

VALUE TERM: Disable Web Links

VALUE DATA TYPE: yes/no

VALUE HELP: Enter yes to disable web links

DESCRIPTION: When this parameter is set to yes, web links in the CPRS GUI will be disabled or hidden.

PRECEDENCE: 2      ENTITY FILE: USER

PRECEDENCE: 5      ENTITY FILE: DIVISION

PRECEDENCE: 7      ENTITY FILE: SYSTEM

PRECEDENCE: 10      ENTITY FILE: PACKAGE

## ORWOR ENABLE VERIFY

---

DISPLAY TEXT: Enable/Disable Order Verify Actions

VALUE TERM: Verify Action Status

VALUE DATA TYPE: set of codes

VALUE DOMAIN: 0:Enable Verify Actions if Ordering Enabled;1:Enable Verify Actions Always;2:Disable Verify Actions

VALUE HELP: Select when the order verification actions should be active.

DESCRIPTION: This parameter controls whether nurses are allowed to verify orders in the GUI. The default value is 0, which allows nurses to verify orders only when ordering is enabled. To allow nurses to verify orders when ordering is disabled, set the value to 1. To never allow the verify actions, set the value to 2. This parameter applies to the “Verify” and “Chart Review” on the Actions menu on the Order tab.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 10     ENTITY FILE: PACKAGE

## ORWOR EXPIRED ORDERS

---

DISPLAY TEXT: Hours to find recently expired orders

MULTIPLE VALUED: No

VALUE TERM: Hours

VALUE DATA TYPE: numeric

VALUE DOMAIN: 0:100000:0

VALUE HELP: Enter the number of hours back in time to search for expired orders.

DESCRIPTION:

Number of hours back in time to search for expired orders. Also used to determine number of hours back in time to search for expired med orders if the follow-up action for the Expiring Meds alert does not find expiring meds.

This parameter does NOT affect Meds tab display. To alter Meds tab display, please adjust the ORCH CONTEXT MEDS parameter accordingly.

PRECEDENCE: 3      ENTITY FILE: SYSTEM

PRECEDENCE: 4      ENTITY FILE: PACKAGE

## ORWOR PKI SITE

---

DISPLAY TEXT: PKI Functionality Site Enabled

VALUE TERM: Yes/No

VALUE DATA TYPE: yes/no

VALUE DOMAIN: Y:yes;N:no

VALUE HELP: Enter 'yes' to turn on PKI Digital Signature at site.

DESCRIPTION: 'Yes' indicates that PKI Digital Signature functionality is enabled.

PRECEDENCE: 2      ENTITY FILE: DIVISION

PRECEDENCE: 3      ENTITY FILE: SYSTEM

## **ORWOR PKI USE**

---

DISPLAY TEXT: Allow PKI Functionality

VALUE TERM: Yes/No

VALUE DATA TYPE: yes/no

VALUE DOMAIN: Y:yes;N:no

VALUE HELP: Enter 'yes' to allow PKI Digital Signature functionality.

DESCRIPTION: 'Yes' indicates the user can Digitally Sign Schedule II Medication orders.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: DIVISION

PRECEDENCE: 3      ENTITY FILE: SYSTEM

PRECEDENCE: 4      ENTITY FILE: PACKAGE

## **ORWOR SHOW CONSULTS**

---

DISPLAY TEXT: Show unresolved consults

MULTIPLE VALUED: No

VALUE TERM: Show unresolved consults

VALUE DATA TYPE: yes/no

VALUE HELP: Should unresolved consults be displayed when starting a new note?

DESCRIPTION: If set to 'yes', when starting a new note, a check will be made to determine if the current patient has pending, active or scheduled consult requests that the current user is authorized to complete/update. If any are found, a dialog will be displayed asking if the user would like to see a list of these consults. If this parameter is set to 'no', the dialog will not be displayed. Clicking "YES" will display the note title selection screen with unresolved consults listed below. Clicking "IGNORE" will proceed to the same title selection screen as if writing a progress note, and not display the consults. The exported PACKAGE value for this new parameter is to display the message (YES).

PRECEDENCE: 5      ENTITY FILE: USER

PRECEDENCE: 15      ENTITY FILE: DIVISION

PRECEDENCE: 20      ENTITY FILE: SYSTEM

PRECEDENCE: 25      ENTITY FILE: PACKAGE

## ORWOR SHOW SURGERY TAB

---

DISPLAY TEXT: Show Surgery Tab in GUI

MULTIPLE VALUED: No

VALUE TERM: SHOW SURGERY TAB

VALUE DATA TYPE: set of codes

VALUE DOMAIN: 0:NO;1:YES

VALUE HELP: Should the Surgery tab be shown in the GUI? ((0=No, 1=Yes)

DESCRIPTION: Should the Surgery tab be shown in the GUI? ((0=No, 1=Yes)

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 3      ENTITY FILE: DIVISION

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 7      ENTITY FILE: PACKAGE

## ORWOR TIMEOUT CHART

---

DISPLAY TEXT: Timeout for GUI chart

VALUE TERM: Timeout (GUI Chart)

VALUE DATA TYPE: numeric

VALUE DOMAIN: 30:999999

VALUE HELP: Enter the number of seconds that should pass before the chart times out.

DESCRIPTION: This value overrides the user's DTIME only in the case of the CPRS chart, Windows version (CPRSChart.exe).

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 1      ENTITY FILE: USER

## ORWOR TIMEOUT COUNTDOWN

---

DISPLAY TEXT: Countdown Seconds upon Timeout

VALUE TERM: Countdown Seconds

VALUE DATA TYPE: numeric

VALUE DOMAIN: 0:999

VALUE HELP: Enter the number of seconds for the countdown before closing the chart.

DESCRIPTION: This value is the number of seconds used for the countdown when the timeout notification window appears.

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 9      ENTITY FILE: PACKAGE



## ORWOR VERIFY NOTE TITLE

---

DISPLAY TEXT: Verify Note Title

VALUE TERM: Verify Default Title

VALUE DATA TYPE: yes/no

VALUE HELP: Enter NO to allow the default note title to load without verification.

DESCRIPTION: If this parameter is set to YES, the window that allows the user to change a note title will appear whenever the user starts to enter a new note, even if they have a default title. If the parameter is set to NO, -and- the user has a default title, that title will be automatically loaded when a new note is entered.

PRECEDENCE: 9      ENTITY FILE: PACKAGE

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 7      ENTITY FILE: DIVISION

PRECEDENCE: 8      ENTITY FILE: SYSTEM

## ORWOR WRITE ORDERS LIST

---

DISPLAY TEXT: Write Orders (Inpatient)

MULTIPLE VALUED: Yes

INSTANCE TERM: Sequence

VALUE TERM: Order Dialog

VALUE DATA TYPE: pointer

VALUE DOMAIN: 101.41

VALUE HELP: Enter the entry from the dialog file that should be used in the list box.

VALUE SCREEN CODE:

I "DMOQ"[\$P(^0),U,4)

INSTANCE DATA TYPE: numeric

INSTANCE DOMAIN: 1:999:2

INSTANCE HELP: Enter the relative sequence for this order in the list box.

DESCRIPTION:

\*\*\*This parameter has been superseded by ORWDX WRITE ORDERS LIST.\*\*\*

Currently, the GUI references only for backward compatibility reasons.

This parameter is used do list the order dialog names that should appear in the Write Orders list box of the CPRS GUI. This is the list of dialogs that should be used in the inpatient setting.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: LOCATION

PRECEDENCE: 3      ENTITY FILE: SYSTEM

PRECEDENCE: 4      ENTITY FILE: PACKAGE

PRECEDENCE: 2.3    ENTITY FILE: SERVICE

PRECEDENCE: 2.7    ENTITY FILE: DIVISION

## ORWPCE ASK ENCOUNTER UPDATE

---

DISPLAY TEXT: Ask Encounter Update

MULTIPLE VALUED: No

VALUE TERM: ASK ENCOUNTER UDPATE

VALUE DATA TYPE: set of codes

VALUE DOMAIN: 0:Primary/Data Needed;1:Primary/Outpatient;2:Primary Always;3:Data Needed;4:Outpatient;5:Always

VALUE HELP: Ask for Encounter update when these conditions are met.

DESCRIPTION: When signing a note in the CPRS GUI, this parameter is used to determine under what conditions to request the user enter encounter information. Note that encounter data is never required for inpatients. 0 = User is the Primary Encounter Provider, and Encounter Data is Needed 1 = User is the Primary Encounter Provider, and Patient is an Outpatient 2 = User is the Primary Encounter Provider 3 = Encounter Data is Needed 4 = Patient is an Outpatient 5 = Always

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: LOCATION

PRECEDENCE: 3      ENTITY FILE: SERVICE

PRECEDENCE: 4      ENTITY FILE: DIVISION

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 6      ENTITY FILE: PACKAGE

## ORWPCE FORCE PCE ENTRY

---

DISPLAY TEXT: Force PCE Entry

MULTIPLE VALUED: No

VALUE TERM: FORCE GUI PCE ENTRY

VALUE DATA TYPE: set of codes

VALUE DOMAIN: 0:NO;1:YES

VALUE HELP: Do you wish to force entry of PCE data in the CPRS GUI?

DESCRIPTION: This parameter is used in the CPRS GUI to determine if PCE encounter information must be entered when required for a note.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: LOCATION

PRECEDENCE: 3      ENTITY FILE: SERVICE

PRECEDENCE: 4      ENTITY FILE: DIVISION

PRECEDENCE: 5      ENTITY FILE: SYSTEM

PRECEDENCE: 6      ENTITY FILE: PACKAGE

## ORWPFSS ACTIVE

---

DISPLAY TEXT: Activate CPRS PFSS Switch

MULTIPLE VALUED: No

VALUE TERM: PFSS ACTIVATE SWITCH

PROHIBIT EDITING: No

VALUE DATA TYPE: set of codes

VALUE DOMAIN: 0:NO;1:Y

VALUE HELP: Enter '1' to activate PFSS or '0' to deactivate PFSS for CPRS

DESCRIPTION: Parameter to tell CPRS if it needs to perform the PFSS functionality.

PRECEDENCE: 1      ENTITY FILE: SYSTEM

**Note:** This parameter was created to be used in testing and will not be used after the patch enabling PFSS is installed. Sites should NOT change this parameter. PFSS is in testing and will be implemented in a phased roll-out. Sites should wait until they receive instructions or a patch to activate this parameter.

## ORWRP ADHOC LOOKUP

---

DISPLAY TEXT: Adhoc Health Summary Lookup

MULTIPLE VALUED: No

VALUE TERM: Lookup By

VALUE DATA TYPE: set of codes

VALUE DOMAIN: 0:Name;1:Abbreviation;2:Display Header

VALUE HELP: Enter the type of lookup desired

DESCRIPTION: This parameter determines the lookup used to populate the Adhoc Health Summary types in CPRS Report Tab, when an Adhoc report is requested.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: DIVISION

PRECEDENCE: 3      ENTITY FILE: SYSTEM

PRECEDENCE: 5      ENTITY FILE: PACKAGE

## ORWRP CIRN REMOTE DATA ALLOW

---

DISPLAY TEXT: Allow remote data access

VALUE TERM: ALLOW REMOTE DATA ACCESSVALUE DATA TYPE: yes/no

VALUE HELP: Enter YES to allow access to remote patient data.

DESCRIPTION: ???

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: DIVISION

PRECEDENCE: 3      ENTITY FILE: SYSTEM

PRECEDENCE: 4      ENTITY FILE: PACKAGE

## ORWRP CIRN SITES

---

DISPLAY TEXT: Remote Access Allowed  
MULTIPLE VALUED: Yes  
INSTANCE TERM: REMOTE SITE  
VALUE TERM: REMOTE ACCESS ALLOWED  
VALUE DATA TYPE: yes/no  
VALUE HELP: Enter the institutions allowed for remote data.  
INSTANCE DATA TYPE: pointer  
INSTANCE DOMAIN: 4  
INSTANCE HELP: Enter YES to allow remote access to this site  
DESCRIPTION: ???  
PRECEDENCE: 1      ENTITY FILE: DIVISION  
PRECEDENCE: 2      ENTITY FILE: SYSTEM

## ORWRP CIRN SITES ALL

---

DISPLAY TEXT: Allow remote data access to all sites.  
VALUE TERM: ALLOW REMOTE DATA ACCESS TO ALL SITES  
VALUE DATA TYPE: yes/no  
VALUE HELP: Enter YES to allow remote data access to all sites.  
DESCRIPTION: ???  
PRECEDENCE: 1      ENTITY FILE: DIVISION  
PRECEDENCE: 2      ENTITY FILE: SYSTEM

## ORWRP HDR ON

---

DISPLAY TEXT: Turn Remote Queries to HDR on

VALUE TERM: TURN REMOTE QUERIES TO HDR ON

VALUE DATA TYPE: yes/no

VALUE HELP: Enter YES to enable remote queries to the HDR

DESCRIPTION: This parameter determines if Remote patient queries are done to the HDR. The values for this parameter can be controlled down to the USER entity.

PRECEDENCE: 1

ENTITY FILE: USER

PRECEDENCE: 2

ENTITY FILE: DIVISION

PRECEDENCE: 3

ENTITY FILE: SYSTEM

PRECEDENCE: 4

ENTITY FILE: PACKAGE

**WARNING:** Sites should not enable this parameter until they receive official instructions. There is the possibility that inaccurate or misaligned data could be displayed in CPRS. A future patch will either provide instructions or activate the ORWRP HDR ON parameter.

## ORWRP HEALTH SUMMARY LIST ALL

---

DISPLAY TEXT: List All Health Summary Types

MULTIPLE VALUED: No

VALUE TERM: LIST ALL

VALUE DATA TYPE: yes/no

VALUE HELP: Enter YES to have all Health Summary Types listed

DESCRIPTION: This parameter overrides the ORWRP HEALTH SUMMARY TYPE LIST by making all health summary types available, in alphabetic order.

PRECEDENCE: 2

ENTITY FILE: USER

PRECEDENCE: 5

ENTITY FILE: DIVISION

PRECEDENCE: 6

ENTITY FILE: SYSTEM

## ORWRP HEALTH SUMMARY TYPE LIST

---

DISPLAY TEXT: Allowable Health Summary Types

MULTIPLE VALUED: Yes

INSTANCE TERM: Sequence

VALUE TERM: Health Summary

VALUE DATA TYPE: pointer

VALUE DOMAIN: 142

VALUE HELP: Select a health summary type (MUST run without additional prompting).

VALUE SCREEN CODE:

I \$D(^GMT(142,+Y,1,0))

INSTANCE DATA TYPE: numeric

INSTANCE DOMAIN: 1:999:2

INSTANCE HELP: Enter the sequence in which this health summary should appear in the list.

DESCRIPTION: Health Summary types that may be displayed by the CPRS GUI should be entered here. Only health summaries that do no additional prompting may be selected (i.e., all time and occurrence limits must be already defined). The exception to this is the Ad hoc Health Summary (GMTS HS ADHOC OPTION). The Ad hoc is a special case that is handled by the GUI.

PRECEDENCE: 4      ENTITY FILE: SYSTEM

PRECEDENCE: 2      ENTITY FILE: USER

## ORWRP REPORT LAB LIST

---

DISPLAY TEXT: List of lab reports

MULTIPLE VALUED: Yes

INSTANCE TERM: Sequence

VALUE TERM: Lab Report

VALUE DATA TYPE: pointer

VALUE DOMAIN: 101.24

VALUE HELP: Select a Lab report

VALUE SCREEN CODE: I \$P(\$G(^ORD(101.24,+Y,0)),"^",8)="L"

INSTANCE DATA TYPE: numeric

INSTANCE DOMAIN: 1:999:2

INSTANCE HELP: Enter the sequence in which the report should appear on Labs Tab

DESCRIPTION: This parameter allows a custom list of reports, with sequencing, on the Labs tab.

PRECEDENCE: 4      ENTITY FILE: SYSTEM

PRECEDENCE: 2      ENTITY FILE: USER

PRECEDENCE: 6      ENTITY FILE: PACKAGE

PRECEDENCE: 3      ENTITY FILE: DIVISION

## ORWRP REPORT LIST

---

DISPLAY TEXT: List of reports

MULTIPLE VALUED: Yes

INSTANCE TERM: Sequence

VALUE TERM: Report

VALUE DATA TYPE: pointer

VALUE DOMAIN: 101.24

VALUE HELP: Select a report

VALUE SCREEN CODE: I \$P(\$G(^ORD(101.24,+Y,0)),"^",8)="R"

INSTANCE DATA TYPE: numeric

INSTANCE DOMAIN: 1:999:2

INSTANCE HELP: Enter the sequence in which the report should appear on Reports Tab

DESCRIPTION: This parameter allows a custom list of reports, with sequencing, on the Reports tab.

PRECEDENCE: 4      ENTITY FILE: SYSTEM

PRECEDENCE: 2      ENTITY FILE: USER

PRECEDENCE: 6      ENTITY FILE: PACKAGE

PRECEDENCE: 3      ENTITY FILE: DIVISION

## ORWRP TIME/OCC LIMITS ALL

---

DISPLAY TEXT: Default time/occ for all reports

MULTIPLE VALUED: No

INSTANCE TERM: ALL REPORTS

VALUE TERM: Time & Occurrence limits for all

VALUE DATA TYPE: free text

VALUE HELP: Format: Start Date;End Date;Occurance limit (T-100;T;200)

VALUE VALIDATION CODE:

K:\$L(Y,";")=3!(\$E(Y)="T")!(\$E(\$P(Y,";",2))="T")!(\$P(Y,";",3)) X

INSTANCE DATA TYPE: free text

INSTANCE HELP: Enter time & occurrence limit for all reports

DESCRIPTION: This parameter sets a default for all reports found on the Reports tab in CPRS. Individual values of this parameter, for each report can be set by editing the parameter ORWRP TIME/OCC LIMITS ALL.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 6      ENTITY FILE: SYSTEM

PRECEDENCE: 9      ENTITY FILE: PACKAGE

PRECEDENCE: 4      ENTITY FILE: DIVISION



## ORWRP TIME/OCC LIMITS INDV

---

DISPLAY TEXT: Report time & occurrence limits

MULTIPLE VALUED: Yes

INSTANCE TERM: Report

VALUE TERM: Time & Occurrence Limits

VALUE DATA TYPE: free text

VALUE HELP: Format: Start date;End date;Occurance limit (T-100;T;100)

VALUE VALIDATION CODE:

K:\$L(Y,";")=3!(\$E(Y)="T")!(\$E(\$P(Y,";"),2))="T")!('\$P(Y,";"),3)) X

INSTANCE DATA TYPE: pointer

INSTANCE DOMAIN: 101.24

INSTANCE HELP: Enter report to specify time & occurrence

INSTANCE SCREEN CODE:

I\$P(\$G(^ORD(101.24,+Y,0)),"^",12)="M",\$P(\$G(^ORD(101.24,+Y,0)),"^",8)="R"

DESCRIPTION: This parameter sets the default time and occurrence limits for reports found on the Reports Tab in CPRS.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 6      ENTITY FILE: SYSTEM

PRECEDENCE: 9      ENTITY FILE: PACKAGE

PRECEDENCE: 4      ENTITY FILE: DIVISION

## ORWRP VISTAWEB ADDRESS

---

DISPLAY TEXT: VISTAWEB Address

VALUE TERM: VISTAWEB ADDRESS

VALUE DATA TYPE: free text

VALUE HELP: Enter the Web Address to access VistaWeb, excluding parameters.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: DIVISION

PRECEDENCE: 3      ENTITY FILE: SYSTEM

PRECEDENCE: 4      ENTITY FILE: PACKAGE

**Note:** The value of this parameter should NOT include any parameters in the address, since these are calculated at the time the call to VistaWeb is made. For example if the VistaWeb address is:

<https://vistaweb.med.va.gov/ToolsPage.aspx?q9gtw0=660&xqi4z=%DFN&yicf=%DUZ>

...the value of ORWRP VISTAWEB ADDRESS should be:

<https://vistaweb.med.va.gov/ToolsPage.aspx>

If no value is entered for this parameter, then CPRS will default to:

<https://vistaweb.med.va.gov>

## ORWT TOOLS MENU

---

DISPLAY TEXT: CPRS GUI Tools Menu

MULTIPLE VALUED: Yes

INSTANCE TERM: Sequence

VALUE TERM: Name=Command PROHIBIT EDITING: No

VALUE DATA TYPE: free text

VALUE HELP: Example: Notepad=C:\WINDOWS\NOTEPAD.EXE

VALUE VALIDATION CODE: I '(\$L(\$P(X,"="))&\$L(\$P(X,"=",2))) K X

INSTANCE DATA TYPE: numeric

INSTANCE DOMAIN: 1:99

INSTANCE HELP: Enter the sequence in which this menu item should appear.

DESCRIPTION: This parameter may be used to identify which items should appear on the tools menu which is displayed by the CPRS GUI. Each item should contain a name that should be displayed on the menu, followed by an equal sign, followed by the command string used to invoke the executable. This string may also include parameters that are passed to the executable.

Some example entries are:

Hospital Policy=C:\WINNT\SYSTEM32\VIEWERS\QUIKVIEW.EXE

LOCPLCY.DOC VISTA Terminal="C:\PROGRA~1\KEA\KEAVT.EXE VISTA.KTC"

An ampersand may be used in the name portion to identify a letter that should be underlined on the menu for quick keyboard access. For example, to underscore the letter H in Hospital Policy, enter &Hospital Policy as the name part.

PRECEDENCE: 1      ENTITY FILE: USER

PRECEDENCE: 2      ENTITY FILE: LOCATION

PRECEDENCE: 3      ENTITY FILE: DIVISION

PRECEDENCE: 4      ENTITY FILE: SYSTEM

PRECEDENCE: 9      ENTITY FILE: PACKAGE

PRECEDENCE: 2.5    ENTITY FILE: SERVICE

## ORXP TEST DATE/TIME

---

DISPLAY TEXT: Test Date/Time

MULTIPLE VALUED: No

VALUE DATA TYPE: date/time

DESCRIPTION: ???

PRECEDENCE: 1      ENTITY FILE: USER

## **ORXP TEST FREE TEXT**

---

DISPLAY TEXT: Test Free Text  
VALUE DATA TYPE: free text  
DESCRIPTION: ???  
PRECEDENCE: 1      ENTITY FILE: USER

## **ORXP TEST MULTUSR DT**

---

DISPLAY TEXT: Test Multiple Inst (User) Date  
MULTIPLE VALUED: Yes  
VALUE DATA TYPE: date/time  
INSTANCE DATA TYPE: pointer  
INSTANCE DOMAIN: 200  
DESCRIPTION: ???  
PRECEDENCE: 1      ENTITY FILE: SYSTEM

## **ORXP TEST NUMERIC**

---

DISPLAY TEXT: Test Numeric  
VALUE DATA TYPE: numeric  
VALUE DOMAIN: 1:100  
DESCRIPTION: ???  
PRECEDENCE: 1      ENTITY FILE: USER

## **ORXP TEST PARAM MULTIPLE**

---

DISPLAY TEXT: Test Multiple Valued Parameter  
MULTIPLE VALUED: Yes  
VALUE DATA TYPE: free text  
VALUE HELP: Enter some free text    INSTANCE DATA TYPE: numeric  
INSTANCE DOMAIN: 1:3  
INSTANCE HELP: Enter a number between 1 and 3 (maximum 3 instances).  
DESCRIPTION: This is a test of a parameter that allows multiple instances.  
PRECEDENCE: 1      ENTITY FILE: USER  
PRECEDENCE: 2      ENTITY FILE: PACKAGE

## ORXP TEST POINTER

---

DISPLAY TEXT: Test Pointer  
MULTIPLE VALUED: Yes  
VALUE DATA TYPE: pointer  
VALUE DOMAIN: 101  
DESCRIPTION: ???  
PRECEDENCE: 1      ENTITY FILE: USER

## ORXP TEST SET OF CODES

---

DISPLAY TEXT: Test Set of Codes  
VALUE DATA TYPE: set of codes  
VALUE DOMAIN: r:Red;g:Green;b:Blue  
DESCRIPTION: ???  
PRECEDENCE: 1      ENTITY FILE: USER

## ORXP TEST SINGLE PARAM

---

DISPLAY TEXT: Single Valued Parameter  
MULTIPLE VALUED: No  
VALUE DATA TYPE: numeric  
VALUE DOMAIN: 1:100  
VALUE HELP: Enter a number between 1 and 100 (inclusive).  
DESCRIPTION: This is a test of a parameter allowing 1 instance per entity.  
PRECEDENCE: 1      ENTITY FILE: USER  
PRECEDENCE: 2      ENTITY FILE: PACKAGE

## ORXP TEST YES/NO

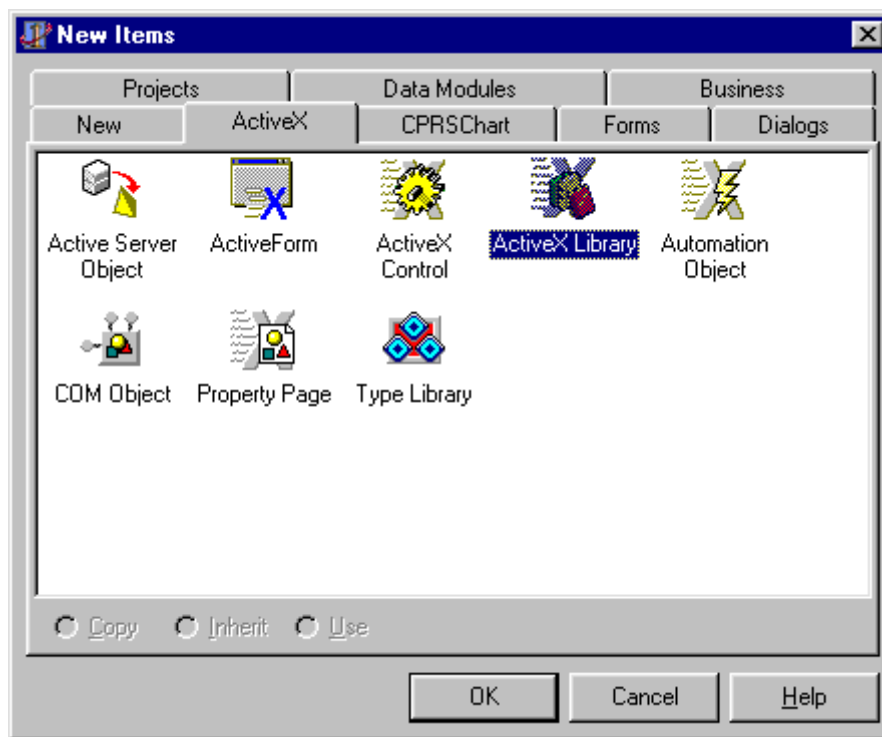
---

DISPLAY TEXT: Test Yes/No  
VALUE DATA TYPE: yes/no  
PRECEDENCE: 1      ENTITY FILE: USER

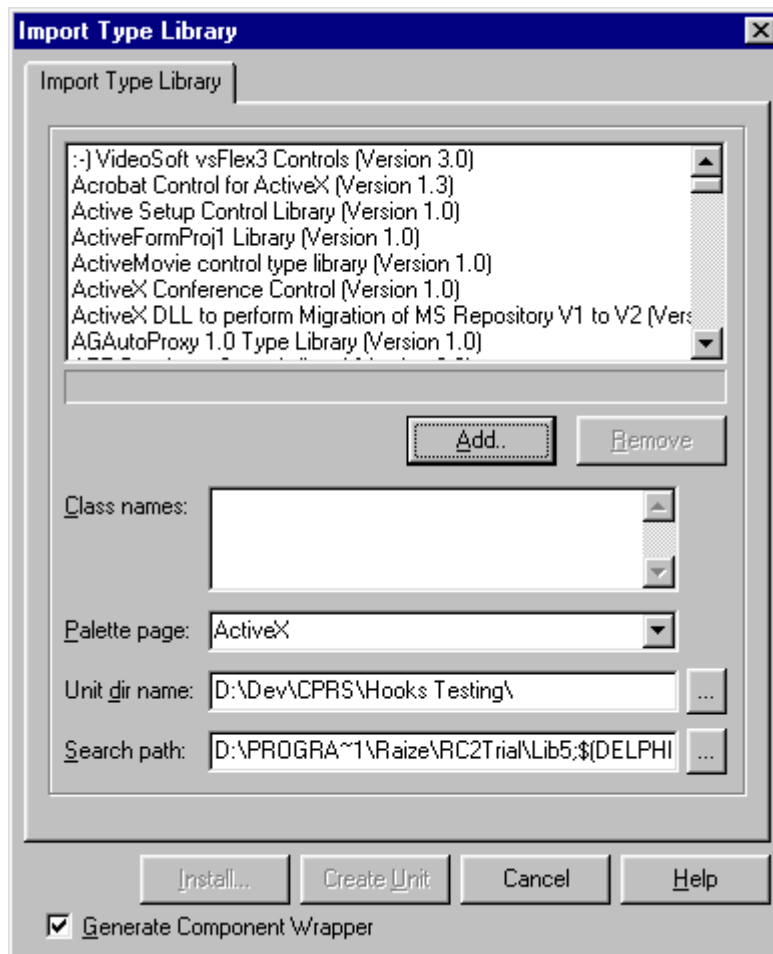
## Appendix F - Creating CPRS Extension COM Object in Delphi

Due to technical problems with out-of-process CPRS extensions, it is recommended that in-process servers be created. This document offers step-by-step instructions to creating an in-process COM server that extends CPRS functionality, following by specifications on the CPRS Type Library interfaces. Instructions were made using Delphi 5. Other versions of Delphi may or may not be compatible with these instructions, but it should be possible to create CPRS extensions in any version of Delphi that supports COM object creation, as well as other programming languages that support the creation of COM objects.

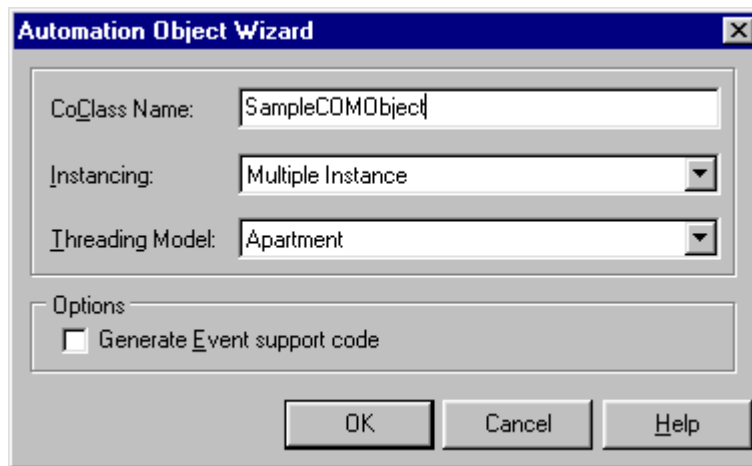
1. Start Delphi.
2. Select the File | New menu
3. Select the ActiveX tab, and ActiveX Library, and click on OK.



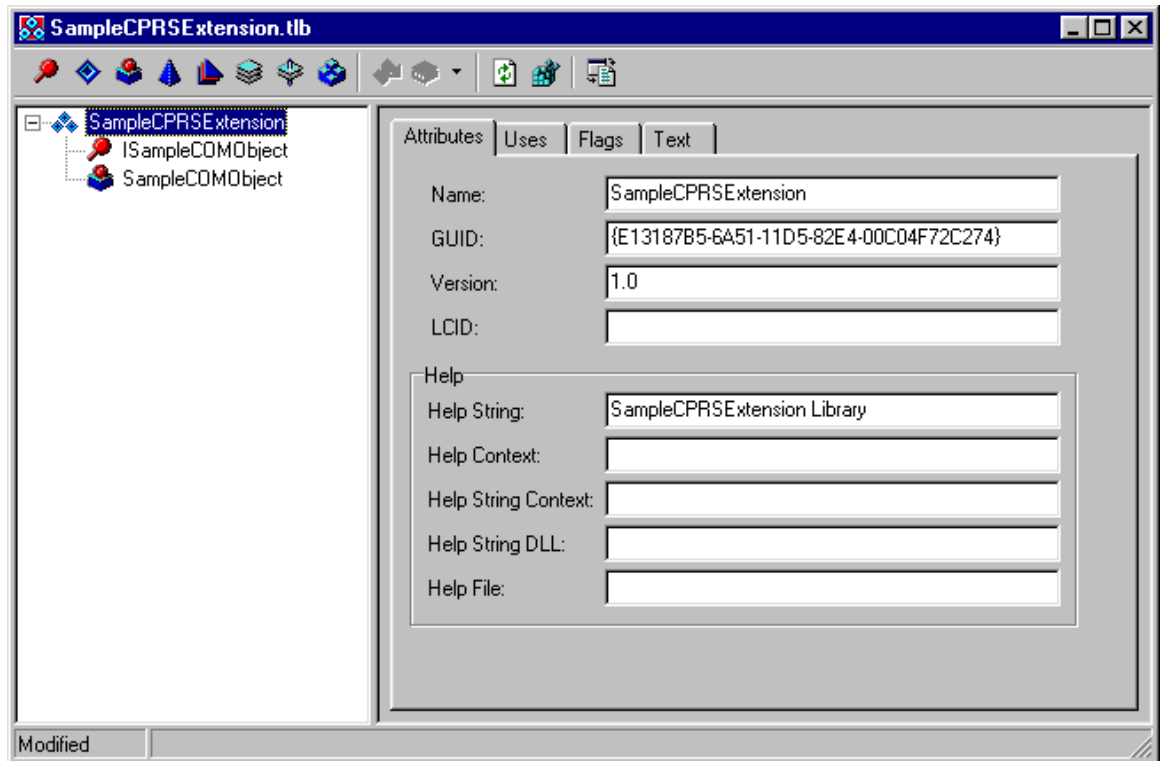
4. Save your project - give it a meaningful name (don't close the project, just save it). This example uses the project name SampleCPRSExtension.
5. Select Project | Import Type Library. This dialog will display:



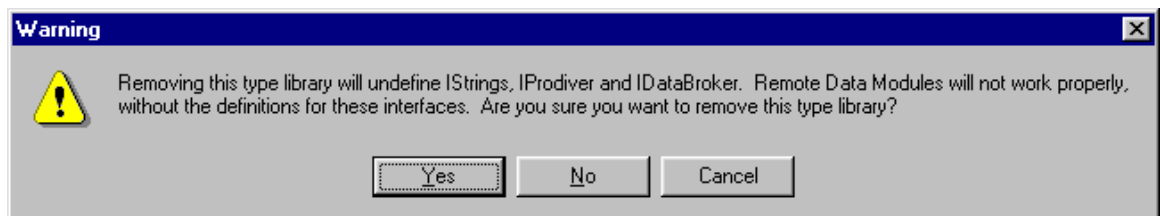
6. Click the Add button. This will pull up a standard open file dialog - select the CPRSChart.exe file (which may reside in a different directory) and click on the Open button.
7. CPRSChart Library should now be selected in the Import Type Library window. Click the Create Unit button. A new unit, CPRSChart\_TLB.pas will be created and displayed in the Delphi code editor.
8. Select the File | New menu again.
9. Select the ActiveX tab, Automation Object, and click OK.
10. You will be presented with this dialog. Leave all the defaults, and provide a meaningful CoClass Name and click OK. This example uses the SampleCOMObject class name.



11. The type library editor will automatically appear. With the ActiveX library name still selected in the tree view, click on the Uses tab.

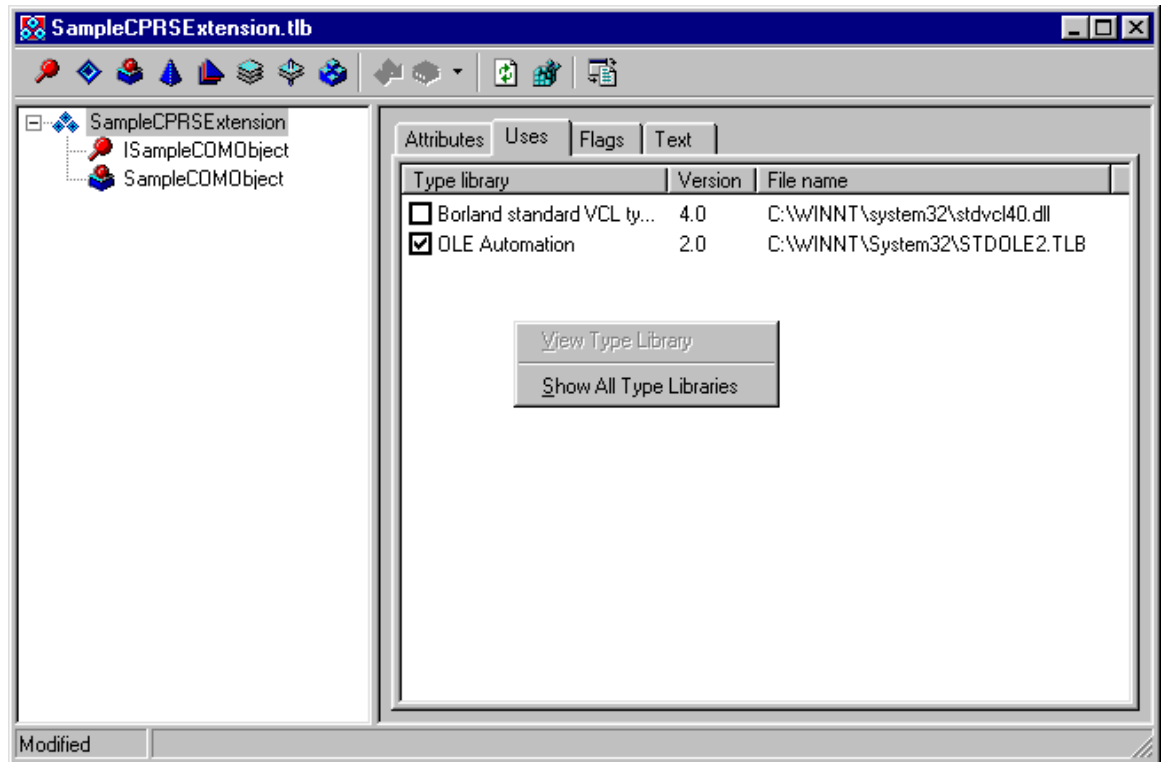


12. The uses tab will show two entries - Borland standard VCL type library, and OLE Automation. Uncheck the Borland standard VCL type library check box. This will produce the following message:

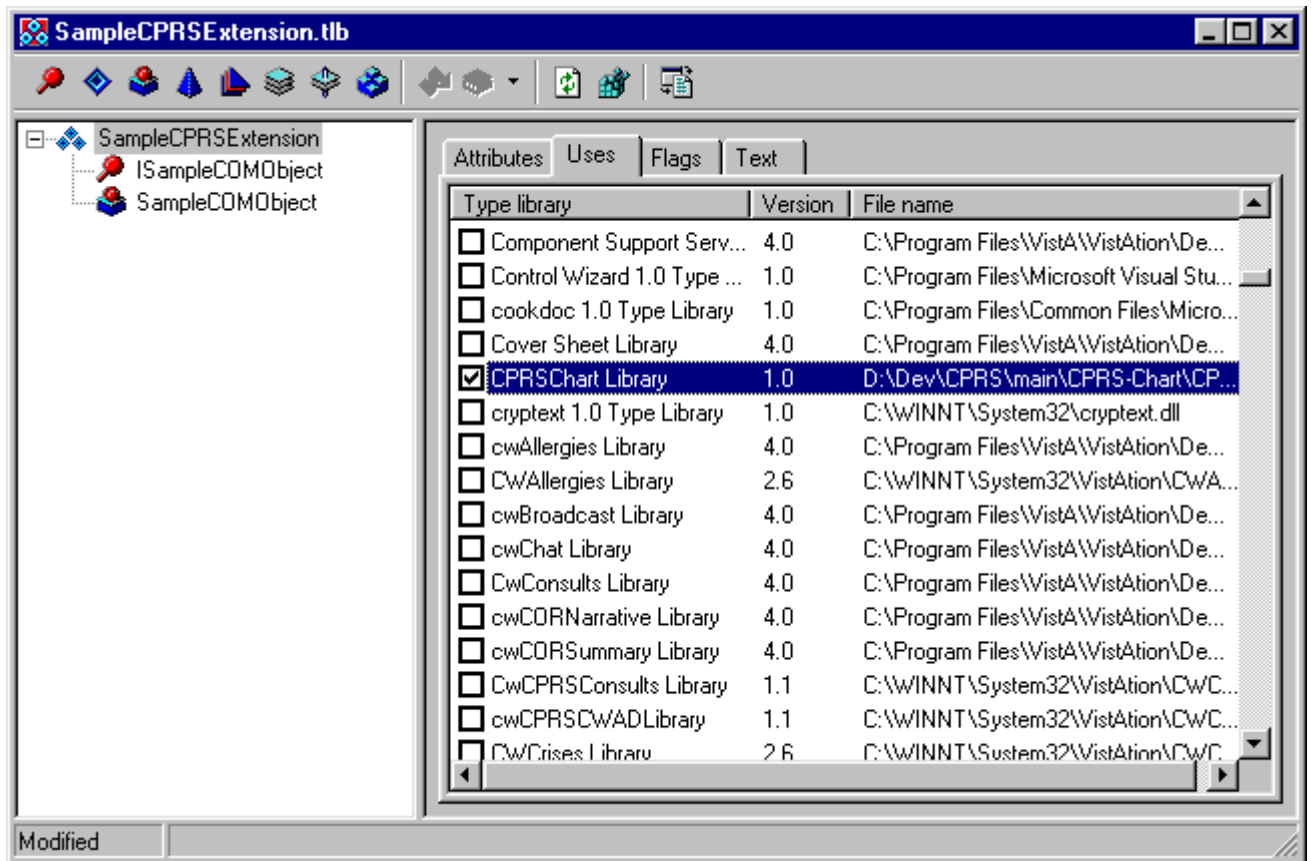





13. Click on Yes. Developers who wish to use interfaces defined in Borland standard VCL type library may do so, but will be required to distribute and register Borland's stdvcl40.dll file with their application.
14. Right click on the Uses tab, and select the Show All Type Libraries menu option.

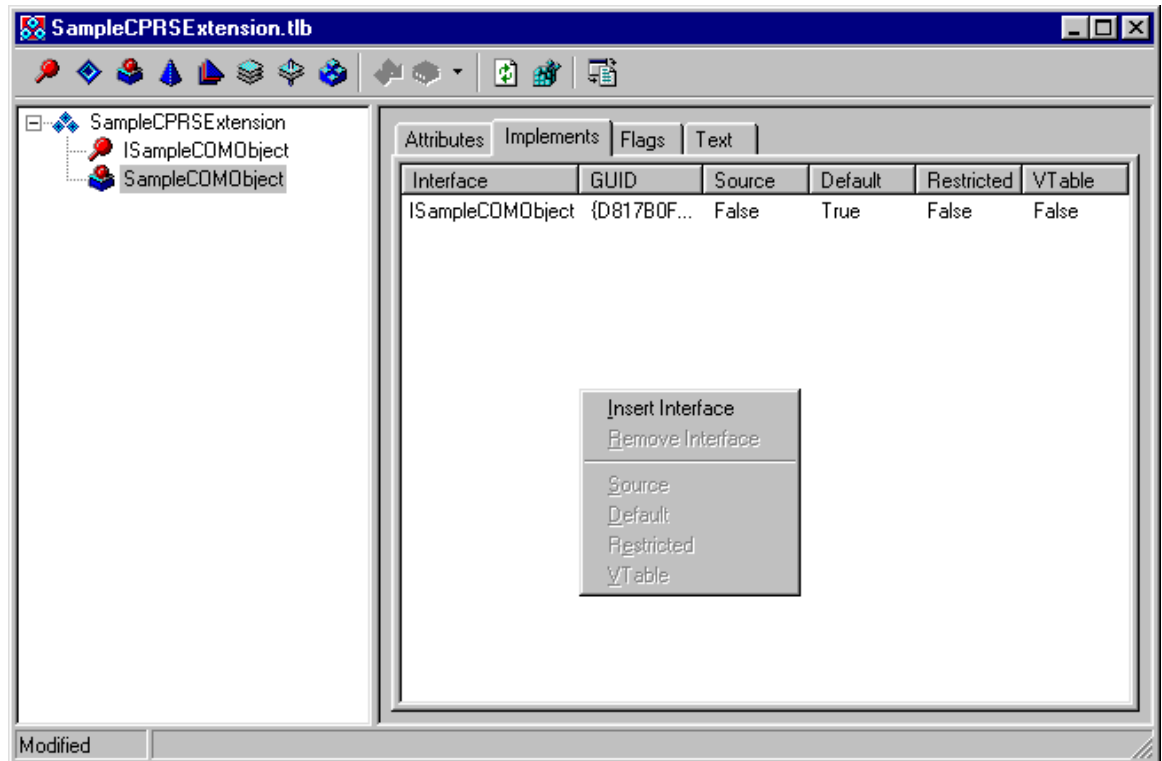


15. The Uses tab should now display numerous entries. Scroll down the list until you see CPRSChart Library. Click on the check box to the left of this entry to include the CPRSChart library.

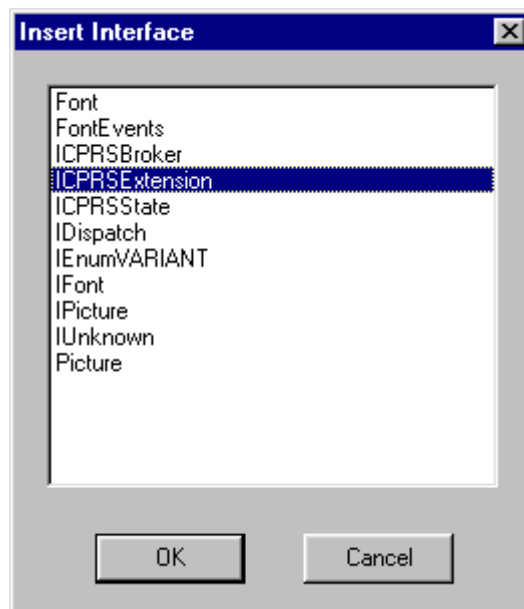


16. In the tree view on the left, click on the CoClass entry. This will have a  symbol next to it, and will probably be the last entry in the tree view.
17. Click on the Implements tab.

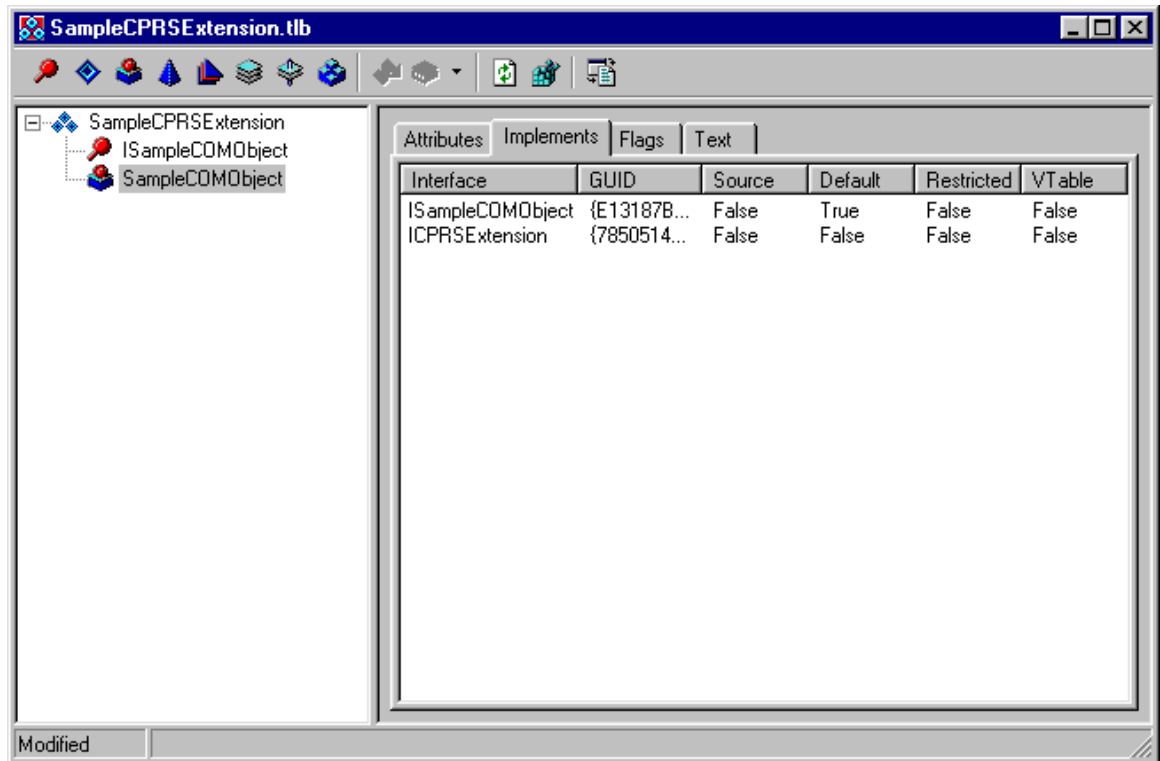
18. Right click on the Implements tab, and select the Insert Interface menu option.



19. A dialog will appear with several entries in it. Select the ICPRSExtension entry, and click OK.



20. The Implements tab should now contain the ICPRSExtension entry.



21. Save the project again. You will be asked to save a new unit. Give this unit a meaningful name, preferably the same CoClass name entered in step #10. This example uses the SampleCOMObject.pas unit name.

22. Select the unit just saved in the Delphi code editor (e.g. SampleCOMObject). In the top uses section, add CPRSChart\_TLB to the uses clause (you must make this change before you will be able to compile). The unit should now look something like this:

```
unit SampleCOMObject;

interface

uses
  ComObj, ActiveX, SampleCPRSExtension_TLB, StdVcl, CPRSChart_TLB;

type
  TSampleCOMObject = class(TAutoObject, ISampleCOMObject,
    ICPRSExtension)
  protected
    function Execute(const CPRSBroker: ICPRSBroker;
      const CPRSState: ICPRSState; const Param1, Param2,
      Param3: WideString; var Data1, Data2: WideString): WordBool;
      safecall;
    { Protected declarations }
  end;

implementation

uses ComServ;

function TSampleCOMObject.Execute(const CPRSBroker: ICPRSBroker;
  const CPRSState: ICPRSState; const Param1, Param2, Param3:
  WideString;
  var Data1, Data2: WideString): WordBool;
begin
end;

initialization
  TAutoObjectFactory.Create(ComServer, TSampleCOMObject,
    Class_SampleCOMObject,
    ciMultiInstance, tmApartment);
end.
```

23. The Execute method will be called from within CPRS when a specific event is activated. The CPRSBroker and CPRSState parameters are passed into the call, and can be used from within this event to make RPC calls and review current user and patient information. Details on these interfaces are documented below. There are currently three events within CPRS that will cause a COM object to be activated:

- Patient Selection.
- Order Acceptance.
- Template activation (when the template is tied to a COM object).

This example will create a simple Patient Selection COM Object that displays a message with patient information. Actual use will vary but might include some kind of dialog being presented to the user, and some kind of user interaction taking place. To make this change, add the Dialogs unit to the uses clause, and add the ShowMessage code as shown:

```
implementation

uses ComServ, Dialogs;

function TSampleCOMObject.Execute(const CPRSBroker:
ICPRSBroker;
    const CPRSState: ICPRSState; const Param1, Param2, Param3:
WideString;
    var Data1, Data2: WideString): WordBool;
begin
    ShowMessage('Patient Selected: ' + CPRSState.PatientName);
end;
```

24. Save and compile. You will not be able to run the application since it's a DLL.
25. Select the RUN | Register ActiveX Server menu option. You should receive a confirmation message indicating successful registration.
26. Open a terminal emulator program (e.g. KEA). Connect to the account where CPRS GUI v16 has been installed.
27. Run FileMan.
28. Select the ENTER OR EDIT FILE ENTRIES option
29. Select the OE/RR COM OBJECTS file (#101.15) for editing
30. You will be asked to "Select OE/RR COM OBJECTS NAME:" - enter a unique, meaningful name in uppercase.
31. You will then be asked to enter an Object GUID. To find this value, go back to Delphi, and select the type library unit created for the project (the example file is SampleCPRSExtension\_TLB.
32. Near the top of this unit are three GUIDs defined. Select the CLASS GUID. The example would use the CLASS\_SampleCOMObject GUID.

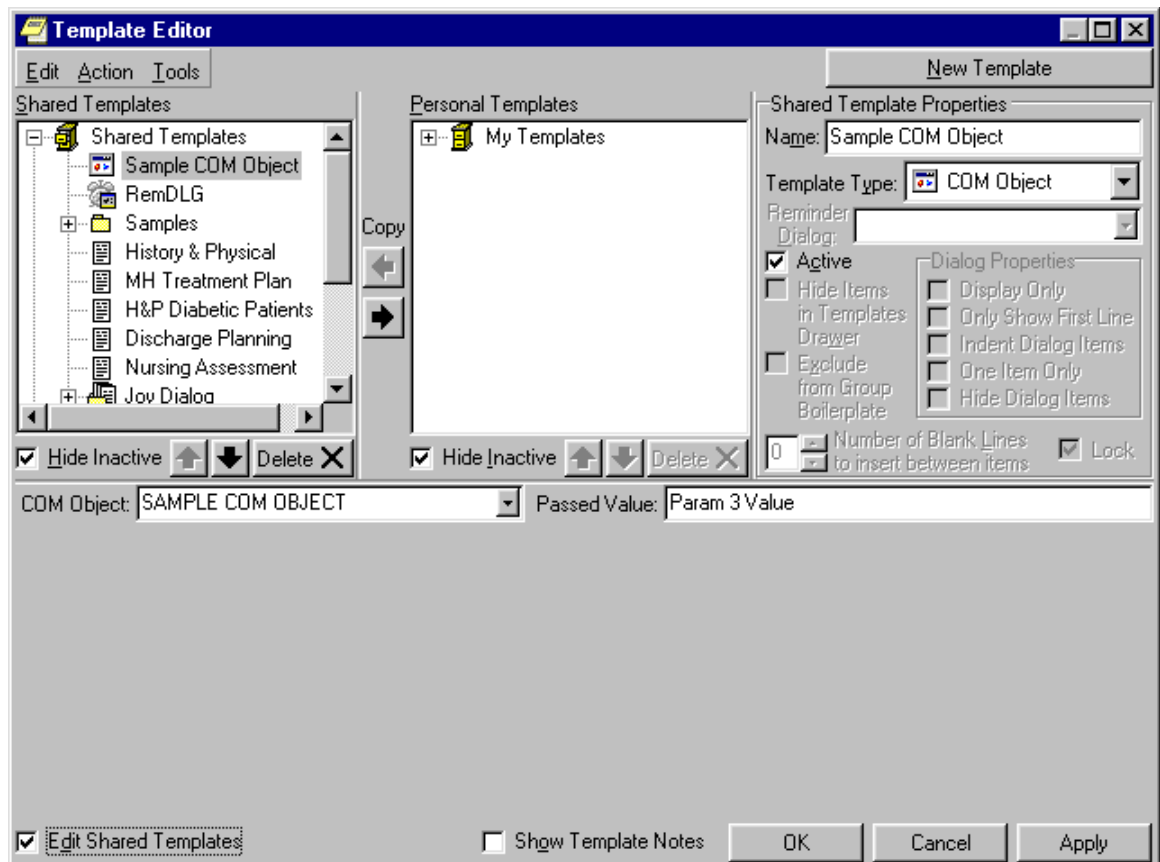
```
const
    // TypeLibrary Major and minor versions
    SampleCPRSExtensionMajorVersion = 1;
    SampleCPRSExtensionMinorVersion = 0;

    LIBID_SampleCPRSExtension: TGUID = '{D817B0F8-6F2F-11D5-82E8-
00C04F72C274}';

    IID_ISampleCOMObject: TGUID = '{D817B0F9-6F2F-11D5-82E8-
00C04F72C274}';
    CLASS_SampleCOMObject: TGUID = '{D817B0FB-6F2F-11D5-82E8-
00C04F72C274}';
```

33. Highlight this value, starting with the open braces '{' and ending with the close braces '}', (don't include the quotes) and copy to the clipboard.
34. Go back to the terminal session, and paste the GUID into the Object GUI field.
35. Leave the inactive field empty.

36. The Param1 field will be passed directly to the COM object as Param1 in the execute method.
37. An optional description field can be entered if desired.
38. Exit FileMan
39. Now we need to link the COM object to the patient selection event. Run the XPAR EDIT PARAMETER option
40. Select the ORWCOM PATIENT SELECTED parameter
41. Select the desired entity (for testing just use the User entity, and select yourself). You will then be asked to select an entry in the OE/RR COM OBJECTS file. Select the entry just made in steps 25-37.
42. Run CPRS GIU v16. When selecting a patient, the ShowMessage dialog entered in step 22 should appear.
43. To link a COM object to order acceptance, by display group, use the ORWCOM ORDER ACCEPTED parameter.
44. To link a COM object to a template, enter the template editor in the CPRS GUI, and edit shared templates (end users are not allowed to link templates to COM objects, since this requires installation of the COM object on the workstation).
45. Create a new Shared Template, give the template a name, and select a Template Type of COM Object. The bottom of the template editor will change to display two fields, COM Object and Passed Value. COM Object allows selection of an active entry in the OE/RR COM OBJECTS file. The passed value field is text that will be passed in Param3 of the execute method. When using the template, the COM object will be activated.



## CPRS GUI v21 Changes to COM Object Template Functionality

---

In the original document entitled "Creating CPRS Extension COM Object in Delphi", the Data2 parameter is described as follows with respect to templates:

"Data2 is reserved for future use, but is anticipated to be XML formatted data passed between CPRS and invoked COM objects."

The following block of XML is now transmitted to the COM object template in the Data2 parameter, as a TStrings.Text value, meaning that multiple lines are separated by carriage return line feed pairs.. The DOC\_IEN entity contains the pointer to the TIU DOCUMENT file (#8925) for the current document. The AUTHOR\_IEN entity contains the pointer to the NEW PERSON file (#200) for the currently recorded author of the document. The AUTHOR\_NAME entity contains that author's name as contained in the .01 field of the NEW PERSON file (#200). This XML is passed to the COM object on all of the TIU-related tabs in CPRS (Notes, Consults, Discharge Summary, Surgery).

```
<TIU_DOC>

  <DOC_IEN>ien</DOC_IEN>

  <AUTHOR_IEN>ien</AUTHOR_IEN>

  <AUTHOR_NAME>name</AUTHOR_NAME>

</TIU_DOC>
```

On return from the COM object, CPRS will continue to accept modified text for the note in the DATA1 parameter. The DATA2 parameter will now also be scanned for any change in author returned by the COM object. The data returned in DATA2 must be in the following XML format to be correctly processed by CPRS. The AUTHOR\_IEN entity MUST contain the pointer to the NEW PERSON file (#200) for the newly selected author of the document. The AUTHOR\_NAME entity contains that author's name as listed in the .01 field in file #200. Returning the AUTHOR\_NAME entity is optional, and it is used only for display of a message to the user in the event that the returned author is determined to be invalid.

```
<TIU_DOC>

  <DOC_IEN>ien</DOC_IEN>

  <AUTHOR_IEN>ien</AUTHOR_IEN>

  <AUTHOR_NAME>name</AUTHOR_NAME>

</TIU_DOC>
```



Prior to acceptance and storage, the author returned by the COM object is first validated as a current entry in file 200. Next, that author is evaluated for cosignature requirements. If a cosigner is required, the user is presented with the Note Properties screen, and is required to supply a cosigner for the document. Once these requirements have been addressed, the new author (and cosigner, if applicable) is attached to the note, the COM object's text is inserted, and processing continues as before.

At this time, only the CPRS Notes tab will recognize and process a change of author. The other TIU tabs (Consults, Discharge Summary, Surgery) have additional complicating factors related to authorship which have not been addressed in this release.

## Distribution

---

In addition to the steps outlined above, COM objects need to be distributed and registered on each workstation where the COM object is to be used. To distribute the COM object, it needs to be copied to each machine. To register a COM object, execute the following command on each machine, after the file has been copied to the hard disk:

```
regsvr32 [FileName]
```

The regsvr32 program is a windows utility that registers and un-registers COM objects. [FileName] is the file path and name of the COM object being registered. For a list of additional flags that can be passed, run regsvr32 without a filename.

Note that if the COM object is not present or has not been registered, CPRS will raise an error, alerting the user that the COM Object is not registered on the workstation. Following the error, CPRS will continue on as if the COM object did not exist. Additional attempts to run the COM object will be automatically aborted without an error, until CPRS is restarted.

## CPRS Registration

---

In addition to the COM object being registered with Windows, CPRS must also be registered with Windows. Normally CPRS will automatically register itself when it is run. However, automatic registration may fail for users executing CPRS in a lockout environment, where they do not have the authority to write to the registry (and therefore do not have the authority to register COM objects and type libraries). In these cases, CPRS must be registered manually by executing the following command outside of a lockout environment:

```
CPRSChart /register
```

This registration step only needs to be performed once per workstation. If desired, this can be combined with the registration steps taken during the installation of COM objects. If, for any reason, CPRSChart needs to be unregistered, it will accept the /unregister parameter. When the /register or /unregister parameters are passed, CPRSChart will register or un-register itself silently, without any visual indication of execution.

# Appendix G - Interface Specifications

## BrokerParamType Enumeration

---

The BrokerParamType enumeration is the equivalent of the TParamType enumeration used by the Broker. Valid values are bptLiteral, bptReference, bptList, and bptUndefined.

## ICPRSBroker Interface

---

The ICPRSBroker interface provides access to the CPRS broker which allows the COM object to make remote procedures without needing to create another partition on the server.

### SetContext function

Format: function SetContext(const Context: WideString): WordBool;

This function allows the COM object to change broker context. The return boolean result will be true if the context change was allowed.

### Server function

Format: function Server: WideString;

This function returns the broker's server connection.

### Port function

Format: function Port: Integer;

This function returns the current port number that is being used by the broker.

### DebugMode function

Format: function DebugMode: WordBool;

This boolean function returns true if the broker is in debug mode.

### CallRPC procedure

Format: procedure CallRPC(const RPCName: WideString);

This procedure sets the remote procedure name of the broker and executes the broker call method.

### RPCVersion property

Format: property RPCVersion: WideString;

This property and its corresponding Get\_RPCVersion and Set\_RPCVersion methods are used to set the Broker's RPCVersion property.

### ClearParameters property

Format: property ClearParameters: WordBool;

This property and its corresponding Get\_ClearParameters and Set\_ClearParameters methods are used to set the Broker's ClearParameters property.

### **ClearResults property**

Format: property ClearResults: WordBool;

This property and its corresponding Get\_ClearResults and Set\_ClearResults methods are used to set the Broker's ClearResults property.

### **Results property**

Format: property Results: WideString;

This property and its corresponding Get\_Results and Set\_Results methods are used to access the Broker's Result property. Since the TRPCBroker class implements this property as a TStrings object, the ICPRSBroker.Results property is the equivalent of the RPCBroker.Results.Text property. It is recommended that an internal TStrings descendant class be used to decipher multi-line Results values.

### **Accessing the RPC Broker's Params property**

Three properties and two functions have been provided to access the TRPCBroker Params property.

Format: property Param[Index: Integer]: WideString;

property ParamType[Index: Integer]: BrokerParamType;

property ParamList[Index: Integer; const Node: WideString]: WideString;

function ParamCount: Integer;

function ParamListCount(Index: Integer): Integer;

Param[Index] is equivalent to RPCBroker.Param[Index].Value.

ParamType[Index] is equivalent to RPCBroker.Param[Index].PType, and accepts the BrokerParamType enumerated values detailed above.

ParamList[Index, Node] is equivalent to RPCBroker.Param[Index].Mult[Node].

ParamCount is equivalent to RPCBroker.Param.Count.

ParamListCount[Index] is equivalent to RPCBroker.Param[Index].Mult.Count.

## **ICPRSSState Interface**

---

The ICPRSSState interface provides COM objects with basic CPRS context information.

### **Handle function**

Format: function Handle: WideString;

This function returns a handle unique to a specific instance of CPRS and is provided for COM objects that may need a unique identifier for each instance of CPRS. The handle is

comprised of the TCP/IP address of the workstation, followed by the window handle of the main CPRS window.

### **UserDUZ function**

Format: function UserDUZ: WideString;

This function returns the internal entry number to the NEW PERSON file (#200) for the current CPRS user.

### **UserName function**

Format: function UserName: WideString;

This function returns the name of the current user.

### **PatientDFN function**

Format: function PatientDFN: WideString;

This function returns the internal entry number to the PATIENT file (#2) for the currently selected patient.

### **PatientName function**

Format: function PatientName: WideString;

This function returns the name of the currently selected patient.

### **PatientDOB function**

Format: function PatientDOB: WideString;

This function returns the date of birth for the currently selected patient. The patient's DOB is displayed in MM/DD/YYYY format.

### **PatientSSN function**

Format: function PatientSSN: WideString;

This function returns the social security number of the currently selected patient.

### **LocationIEN function**

Format: function LocationIEN: Integer;

This function returns the internal entry number to the HOSPITAL LOCATION file (#44) for the currently selected location. If no location has been selected this value will be 0.

### **LocationName function**

Format: function LocationName: WideString;

This function returns the name of the currently selected location. If no location has been selected this value will be blank.

## ICPRSExtension Interface

---

The ICPRSExtension interface is the only interface that must be implemented by the COM object. The only method of this interface, Execute, is called when the COM object is invoked. After Execute returns, the COM object is released. Note that CPRS execution halts until the Execute method returns. It is important to implement the COM object as an in-process server because CPRS can still process callback events from the windows operating system. Out of process COM objects prevent CPRS from processing these callback events. Without out of process COM objects, CPRS is not be able to timeout and is not able to notify the server of its continued presence (resulting in broker disconnects).

### Execute function

Format: function Execute(const CPRSBroker: ICPRSBroker;  
const CPRSState: ICPRSState; const Param1: WideString;  
const Param2: WideString; const Param3: WideString;  
var Data1: WideString; var Data2: WideString): WordBool;

The CPRSBroker parameter is an object that implements the ICPRSBroker interface and provides access to the CPRS Broker.

The CPRSState parameter is an object that implements the ICPRSState interface and provides basic CPRS state information.

Param1 is the value of the Param1 field of the OE/RR COM OBJECTS file (#101.15).

Param2 varies depending on how the COM object is being invoked.

For Patient Change events, Param2 is P=PatientDFN.

For Order Accept events, Param2 is O=OrderIdentifier.

For templates, Param2 is blank unless the template is also linked directly to a TIU Title, a Consult, or a Procedure Reason for Request. For Titles, Param2 is T=TitleIEN - pointer to the TIU DOCUMENT DEFINITION file (#8925.1). For Consults, Param2 is C=ServiceIEN - pointer to the REQUEST SERVICES file (#123.5). For Procedures, Param2 is P=ProcedureIEN - pointer to the GMRC PROCEDURE file (#123.3).

Param3 contains the Passed Value defined for a template. The Passed Value the value contained in the COM PARAM field (#.18) of the TIU TEMPLATE file (#8927). If the COM object is not linked to a template, Param3 is blank.

Data1 is used as note or reason for request text by COM objects linked to templates. For templates associated with a specific title or reason for request, Data1 will initially contain the boilerplate text associated with that title or reason for request. All other templates will leave Data1 blank. Data1 is a var parameter, and should be set by the COM object to return note or reason for request text. Note that Data1 is a TStrings.Text value which means that multiple lines are separated by carriage return line feed pairs.

Data2 is reserved for future use, but is anticipated to be used for XML formatted data passed between CPRS and invoked COM objects.

Return Value - the execute function returns a boolean value. For COM objects linked to templates, this return value must be TRUE in order for CPRS to accept any text passed in Data1. Patient and ordering events ignore the return.

## Appendix H - Accessibility

### JAWS Files

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JAWS is a screen reader application that enables a computer to verbally describe the controls and content of computer applications. For example, in CPRS, when a user changes tabs, JAWS will speak the name of the tab, such as “Orders tab”, enabling the visually-challenged user to navigate CPRS and complete necessary tasks.

Developers have created specialized scripts and CPRS components that enable JAWS to work more effectively with CPRS. As part of the CPRS GUI v.27 (OR\*3.0\*243) release a zip file (CPRS27\_JAWS\_SUPPORT\_FILES.ZIP) including the JAWS scripts and supporting files is being distributed.

The improvements work only with JAWS 7.1 or later. However, JAWS 8.0.2173 or later is best because it fixes a bug that caused CPRS to crash when reading progress notes with JAWS. This fix is not in earlier versions of JAWS 8.0.

Usually it is best for JAWS users stay up to date with the latest releases of the product.

The following files are contained in the CPRS27\_JAWS\_SUPPORT\_FILES.ZIP file:

- JAWS.SR - DLL used for communication between JAWS and CPRS
- JAWSUPDATE.EXE - Used to update JAWS 7.1 to work with the component
- VA508APP.jcf - JAWS configuration file
- VA508APP.JSS - JAWS script file
- VA508JAWS.jss - JAWS script file
- VA508JAWSDispatcher - Application used for communication between JAWS and multiple applications using the JAWS.SR DLL
- VA508APP.jkm - JAWS keyboard mapping file
- VA508JAWS.jsd - Documentation companion file to the VA508JAWS.jss script file
- Vcredist\_x86.exe is the Microsoft Visual C++ 2005 Redistributable. It is called by JAWSUpdate.exe.

To use the accessibility features, a user must copy these files into Program Files\Vista\Common Files, which is normally found on the workstation at C:\Program Files\Vista\Common Files. If the workstation is running JAWS 8.0.2173 or higher, nothing further is required.

If the workstation is running an earlier version of JAWS 8.0, or JAWS 7.1.500, the user must go to Program Files\Vista\Common Files and run JAWSUpdate.exe. JAWSUpdate installs a COM object for compatibility with these versions.

**Note:** You must have administrative rights on the machine to run JAWSUpdate.exe.

If the workstation is running a version of JAWS that is older than v 7.1.500, the new accessibility features in CPRS will not function. CPRS will function as it did without these changes, but the following error message will display:



This error message tells users that they need to update to a newer version of JAWS.

## **New Accessibility Framework**

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Beginning with CPRS v.27 (OR\*3.0\*243), a new Accessibility Framework was created in CPRS. This includes a new Delphi component, scripts, and other files that enable JAWS and CPRS to work better together. The new component can be used by other developers creating graphical user interface (GUI) applications. The Office of Information Health Data & Informatics (HDI) has custody of this component. To find out more about the component, please contact VHA OI HDI Section 508 Mail group.

## Glossary

|                   |                                                                                                                                                                                                                                                                                                        |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPRS              | Computerized Patient Record System, the <b>VISTA</b> package (in both GUI and character-based formats) that provides access to most components of the patient chart.                                                                                                                                   |
| ASU               | Authorization/Subscription Utility, a <b>VISTA</b> application (initially released with TIU) that allows VAMCs to assign privileges such as who can do what in ordering, signing, releasing orders, etc.                                                                                               |
| Chart Contents    | The various components of the Patient Record, equivalent to the major categories of a paper record; for example, Problem List, Progress Notes, Orders, Labs, Meds, Reports, etc. In CPRS, these components are listed at the bottom of the screen, to be selected individually for performing actions. |
| Consults          | Consult/Request Tracking, a <b>VISTA</b> product that is also part of CPRS (it can function as part of CPRS, independently as a standalone package, or as part of TIU). It's used to request and track consultations or procedures from one clinician to another clinician or service.                 |
| Cover Sheet       | A screen of the CPRS patient chart that displays an overview of the patient's record.                                                                                                                                                                                                                  |
| CWAD              | Crises, Warnings, Allergies/Adverse Reactions, and Directives. These are displayed on the Cover Sheet of a patient's computerized record, and can be edited, displayed in greater detail, or added to. <i>See Patient Postings.</i>                                                                    |
| D/C Summary       | Discharge Summary; see below.                                                                                                                                                                                                                                                                          |
| Discharge Summary | A component of TIU that can function as part of CPRS, Discharge Summaries are recapitulations of a patient's course of care while in the hospital.                                                                                                                                                     |
| GUI               | Graphical User Interface—a Windows-like screen with pull-down menus, icons, pointer device, etc.                                                                                                                                                                                                       |
| Health Summary    | A <b>VISTA</b> product that can be viewed through CPRS, Health Summaries are components of patient information extracted from other <b>VISTA</b> applications.                                                                                                                                         |
| Imaging           | A <b>VISTA</b> product that is also a component of CPRS; it includes Radiology, X-rays, Nuclear Medicine, etc.                                                                                                                                                                                         |



|                  |                                                                                                                                                                                                                                                                                                                                      |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Notifications    | Alerts regarding specific patients that appear on the CPRS patient chart. They can be responded to through “VA View Alerts.”                                                                                                                                                                                                         |
| OE/RR            | Order Entry/Results Reporting, a <b>VISTA</b> product that evolved into the more comprehensive CPRS.                                                                                                                                                                                                                                 |
| Order Checking   | A component of CPRS that reviews orders as they are placed to see if they meet certain defined criteria that might cause the clinician placing the order to change or cancel the order (e.g., duplicate orders, drug-drug/diet/lab test interactions, etc.).                                                                         |
| PCMM             | Patient Care Management Module, a <b>VISTA</b> product that manages patient/provider lists.                                                                                                                                                                                                                                          |
| Patient Postings | A component of CPRS that includes messages about patients; an expanded version of CWAD (see above).                                                                                                                                                                                                                                  |
| Progress Notes   | A component of TIU that can function as part of CPRS.                                                                                                                                                                                                                                                                                |
| Quick Orders     | Quick Orders allow you to enter many kinds of orders without going through as many steps. They are types of orders that physicians have determined to be their most commonly ordered items and that have standard collection times, routes, and other conditions.                                                                    |
| Reports          | A component of CPRS that includes Health Summary, Action Profile, and other summarized reports of patient care.                                                                                                                                                                                                                      |
| TIU              | Text Integration Utilities; a package for document handling, that includes Consults, Discharge Summary, and Progress Notes, and will later add other document types such as surgical pathology reports. TIU components can be accessed for individual patients through the CPRS, or for multiple patients through the TIU interface. |
| VISN             | Veterans Information System Network, the regional organizations for managing computerization within a region.                                                                                                                                                                                                                        |
| <b>VISTA</b>     | Veterans Information Systems Technology Architecture, the new name for DHCP.                                                                                                                                                                                                                                                         |

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