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Run Date: SEP 06, 2018 Designation: OR\*3\*377 TEST v55

Package : ORDER ENTRY/RESULTS REPORTING Priority : MANDATORY

Version : 3 Status : UNDER DEVELOPMENT

=============================================================================

Associated patches: (u)GMTS\*2.7\*67 install with patch `OR\*3\*377'

(u)WV\*1\*24 install with patch `OR\*3\*377'

(u)PXRM\*2\*45 install with patch `OR\*3\*377'

(u)TIU\*1\*290 install with patch `OR\*3\*377'

(u)PX\*1\*214 install with patch `OR\*3\*377'

(u)GMRA\*4\*53 install with patch `OR\*3\*377'

(u)GMRC\*3\*88 install with patch `OR\*3\*377'

(u)DG\*5.3\*932 install with patch `OR\*3\*377'

(u)PSO\*7\*477 install with patch `OR\*3\*377'

(v)OR\*3\*226 <<= must be installed BEFORE `OR\*3\*377'

(v)OR\*3\*272 <<= must be installed BEFORE `OR\*3\*377'

(v)OR\*3\*315 <<= must be installed BEFORE `OR\*3\*377'

(v)OR\*3\*320 <<= must be installed BEFORE `OR\*3\*377'

(v)OR\*3\*332 <<= must be installed BEFORE `OR\*3\*377'

(v)OR\*3\*341 <<= must be installed BEFORE `OR\*3\*377'

(v)OR\*3\*367 <<= must be installed BEFORE `OR\*3\*377'

(v)OR\*3\*379 <<= must be installed BEFORE `OR\*3\*377'

(v)OR\*3\*387 <<= must be installed BEFORE `OR\*3\*377'

(v)OR\*3\*389 <<= must be installed BEFORE `OR\*3\*377'

(v)OR\*3\*398 <<= must be installed BEFORE `OR\*3\*377'

(u)XU\*8\*653 <<= must be installed BEFORE `OR\*3\*377'

(v)OR\*3\*410 <<= must be installed BEFORE `OR\*3\*377'

(u)PX\*1\*211 <<= must be installed BEFORE `OR\*3\*377'

(v)OR\*3\*417 <<= must be installed BEFORE `OR\*3\*377'

(v)OR\*3\*422 <<= must be installed BEFORE `OR\*3\*377'

(u)OR\*3\*431 <<= must be installed BEFORE `OR\*3\*377'

(v)OR\*3\*434 <<= must be installed BEFORE `OR\*3\*377'

(u)OR\*3\*435 <<= must be installed BEFORE `OR\*3\*377'

(v)OR\*3\*449 <<= must be installed BEFORE `OR\*3\*377'

(v)OR\*3\*452 <<= must be installed BEFORE `OR\*3\*377'

(v)OR\*3\*458 <<= must be installed BEFORE `OR\*3\*377'

(v)OR\*3\*469 <<= must be installed BEFORE `OR\*3\*377'

(u)XT\*7.3\*142 <<= must be installed BEFORE `OR\*3\*377'

Subject: CPRS GUI V31.B

Category: ROUTINE

DATA DICTIONARY

ENHANCEMENT

OTHER

Description:

===========

The Computerized Patient Record System (CPRS) Graphical User Interface

(GUI) v31.b is an enhancement release with the following modifications:

1) System for Mammography Results Tracking (SMART), NSR 20100701

SMART enhances the ability to track and manage mammography results. SMART

creates the ability to link a result notification directly to a

documentation template. These templates are specific to the Breast

Imaging Reporting and Data System (BIRAD) code, and contain typical next

steps in management, links to orders, and ability to document how and

when a patient was notified of their result. The template allows users to

view the patient's last three breast images, regardless of the ordering

provider; and to view all data captured in CPRS/VistA related to the

patient's breast care beginning with when the result was entered into

VistA. Once implemented SMART, data from the SMART templates will populate

the Breast Care Registry, enhancing the registry.

2) Women's Health Potentially Unsafe Medications, NSR 20071218/20130511

The current version of the VHA's Veterans Health Information Systems and

Technology Architecture (VistA) and CPRS software does not provide any

information to the provider that a particular medication is teratogenic.

Teratogens are drugs (including medications), chemicals, or other

exposures, like radiation, that can interfere with normal embryonic/fetal

development and thus, may lead to birth defects or pregnancy loss. In

addition, there is a group of medications that pose a potential risk to

breastfed infants.

The requested enhancements will provide a notification or alert to prevent

inadvertent prescribing of teratogenic medications to patients who are

pregnant or at risk for pregnancy and inadvertent prescribing of

medications of potential risk to breastfed infants for patients who are

lactating. The notification or alert will prompt the provider to consider

whether to initiate or continue a medication for a patient who is pregnant

or lactating and will provide an opportunity for counseling and

consideration of appropriate therapeutic alternatives for female patients

who are pregnant, lactating, or of childbearing potential.

3) The patch introduces new components and modifications to support the

Other Than Honorable (OTH) functionality for the Suicide High Risk Patient

Enhancements (SHRPE) project (NSR 20170403):

a) The new "OROTHCL GET" Remote Procedure Call (RPC) is used to display

the OTH status for the patient on the CPRS GUI screen

b) The new OROTHCL M-routine supports the "OROTHCL GET" RPC,

c) The new "OROTHCL GET RPC" is being added to the "OR CPRS GUI CHART"

option that maintains the registration of the RPCs used by CPRS.

Note: The OROTHCL code will check for the installation of patch

DG\*5.3\*952. If this patch is not installed, CPRS will not display the OTH

button/status. This approach eliminates a hard dependency on patch 952 and

allows CPRS GUI v31b to release independently of that patch.

4) This version of CPRS introduces changes to Consult/Request Tracking

and TIU in support of the interface with the Healthcare Claims Processing

System (HCPS), Referral and Authorization System (RAS) in the Austin

Financial Services Center (FSC).

In Consults, a MailMan error message is generated when there is a

communication issue between RAS and VistA. This message has been improved

to include the HCPS support mail group as a recipient. In addition, the

message body will now include the consult number and facility name from

where the consult originated. These new elements will assist HCPS support

with more rapid resolution of communication errors. Reference the

Consult/Request Tracking patch GMRC\*3.0\*88 for the technical details of

these enhancements.

For TIU, the ability to lock a TIU Template and the associated template

fields from edit has been introduced. A System-level parameter has been

added that will facilitate the locking. This enhancement stems from the

RAS/VistA interface mentioned above. Editing certain fields in a template

used by the RAS/VistA interface can create a communication error in the

interface. These templates should not be edited by facilities and as such

will be locked during the installation of CPRS GUI v31b. Reference the

TIU\*1\*290 patch description for technical details about this enhancement.

5) Dietetics, NSR 20080323

The dietetics ordering functionality has been modified in order to

prevent previous active diet orders replacing NPO orders upon expiration,

DC, or cancellation. The following changes have been made:

a) The NPO orderable item will be added to the Auto-DC Rules when the

patch is installed. With this change, the auto-DC rules will prevent the

discontinuation of the Nothing Permitted Orally (NPO) diet orders for the

following event types:

Specialty transfer (S)

OR (O)

Transfer (T)

and the NPO diet remains intact

b) When NPO diet orders are attempted to be manually discontinued,

prevent that action from being taken and display the dialog box to the

user with text "NPO Diet cannot be discontinued.

c) Disallow all diet orders to have an Expiration Date/Time when ordered,

and prevent automatic reinstatement of a previous diet. If a new diet

order is desired, a new diet must be ordered to replace the active diet

order.

d) When ordering NPO, if a patient is currently on tube-feeding, the

provider is displayed the dialog box "The patient currently has an

active tubefeeding order <display the current tube-feeding order here>".

e) The Cancel Future Order Prompt from the tubefeeding order dialog has

been removed. A conversion routine has been created to remove the prompt

from any Quick Order. Additionally, Quick Orders will no longer allow the

features of Auto Accept or Verify.

f) The Cancel Future Order Prompt from the tubefeeding order dialog has

been removed. A conversion routine has been created to remove the prompt

from any Quick Order. Additionally, Quick Orders will no longer allow the

features of Auto Accept or Verify.

g) Accepting a tubefeeding order will prompt one of two different

messages depending on the current diet status of the patient. If no

existing order, user will be prompted to enter a new diet order. If an

existing diet order is present, the user will be prompted to keep the

current diet or enter a new diet order.

6) Long Text Informational Alerts

This new functionality provides the ability to display informational

alerts that are longer than the standard character count that the alert

display provides. Long Text Informational Alerts will display in a pop

up window when processed and provide additional actions for the user to

take based on that alert.

7) Order Check History, NSR 20140806

This request updates the mechanism by which order checks are captured and

stored, ensuring there is always a history of the event. Storing the

order check history will permit data analysis of how many order checks

are overridden and how many resulted in a change to the initial

provider's order. Specifically, the changes in this release will capture

order check information that was previously not captured such as when an

order entry is abandoned after the user is presented with the order

checks, and also when an order is changed and new order checks are

performed.

8) Copy/Paste - The Ability to Identify and Monitor, NSR 200080528

The functionality will allow CPRS to capture (Copy/Paste) texts in the

Text Integration Utility (TIU) notes. The service will log each instance

of pasted text with copy where originated and when (date/time) the paste

actions occurred. he data captured for each Copy/Paste action can be

provided for chart and policy reviews. Thus, creating an audit trail of

paste actions performed on each new document where Copy/Paste action

occurs. It will also provide reports to summarize logged content that

tracks Copy/Paste events. Copy/Paste actions within the same active

document would not be logged as it is assumed that the user is

reformatting the document for clarity. Captured Copy/Paste data will be

stored for a few months allowing it to be used for reporting/viewing.

Functionality was designed with total flexibility in mind by providing

the ability to tweak parameters, add or include/exclude note titles,

classes or even disable Copy/Paste tracking (package level), therefore

giving clinicians and system administrators total flexibility to best

suit their need.

9) CDC Short Description, NSR 20130903

PX\*1\*210 implemented a change such that the SHORT NAME field of an

immunization is no longer populated. The Immunization panel of the

Cover Sheet will now display the NAME field of an immunization. If the

size of the CPRS display prevents the full NAME from showing, the full

NAME will be visible via by hovering the mouse over the truncated name.

10) Software changes are also being made to correct several Patient Safety

Issues (PSPOs), and additional miscellaneous defect fixes.

Patch Components

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Files & Fields Associated:

File Name (Number) Field Name (Number) New/Modified/Deleted

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OE/RR LIST (#100.21) LAST UPDATED D/T (#12.1) New

CURATOR (#12.2) New

MEMBER (multiple field

#.01, sub-file

#100.2101) Modified

OE/RR NOTIFICATIONS (#100.9) MESSAGE TEXT (#.03) Modified

PROCESS AS SMART New

NOTIFICATION (#6.1)

NOTE TITLE (#6.2) New

ALLOW ADDENDUM (#6.3) New

TIU OBJECT (#6.4) New

DEPENDENT (#7) New

REPLACE DEPENDENT (#8) New

DEPENDENT LOGIC (#9) New

PROCESSING FLAGS Multiple PROCESSING FLAG (#.01) Modified

(#100.92)

Forms Associated:

Form Name File # New/Modified/Deleted

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N/A

Mail Groups Associated:

Mail Group Name New/Modified/Deleted

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N/A

Options Associated:

Option Name Type New/Modified/Deleted

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OR CPRS GUI CHART Broker Modified

ORLP SETUP TEAM LIST Routine New

FROM REM

ORLP TEAM LIST FROM REM Routine New

Parameters Associated:

Parameter Name New/Modified/Deleted

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ORLP DEFAULT LIST SOURCE Modified

ORLP DEFAULT PXMM TEAM New

OR ONE STEP CLINIC ADMIN OFF New

OR CPRS EXCEPTION EMAIL New

OR CPRS EXCEPTION LOGGER New

OR CPRS EXCEPTION PURGE New

OR CPRS HELP DESK TEXT New

OR ONE STEP CLINIC ADMIN OFF New

OR RELEASE FORM HELP New

OR RELEASE FORM TEXT New

OR SD CIDC STOP OFFSET New

OR SD DIALOG PREREQ New

ORCH CONTEXT MEDS INPAT New

ORCH CONTEXT MEDS OUTPAT NONVA New

ORLP DEFAULT LIST SOURCE Modified

ORLP DEFAULT PCMM TEAM New

ORLP TEAM LIST FROM REM New

ORLP TEAM LIST FROM REM FREQ New

ORLP TEAM LIST FROM REM LAST New

ORQQTIU COPY/PASTE EXCLUDE APP New

ORQQTIU COPY/PASTE IDENT New

ORWCV1 COVERSHEET LIST New

OR LAB CANCEL ERROR MESSAGE New

Protocols Associated:

Protocol Name New/Modified/Deleted

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N/A

Remote Procedure Calls Associated:

Remote Procedure Call Name New/Modified/Deleted

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ORB3UTL DEFER New

ORB3UTL GET DESCRIPTION New

ORB3UTL GET EXISTING NOTES New

ORB3UTL GET NOTIFICATION New

ORB3UTL NOTIFPG New

ORBSMART ISSMNOT New

ORQPT PTEAM PATIENTS New

ORQPT PTEAMPR New

ORQQPXRM DIALOG PROMPTS Modified

ORWDPS1 MAXDS New

ORWTPP PCMTEAMS New

ORWTPT GETPTEAM Modified

ORB3UTL DEFER New

ORBSMART INSMALRT New

ORBSMART OUSMALRT New

ORDDPAPI RLSMSG New

ORNORC CANCEL New

OROTHCL GET New

ORWDSD1 ODSLCT New

ORWDXC2 SAVECANC New

ORWORB GETLTXT New

ORWTIU EXCCOPY New

ORWTIU GETPASTE New

ORWTIU LDCPIDNT New

ORWTIU PCTCOPY New

ORWTIU POLL New

ORWTIU START New

ORWTIU STOP New

ORWTIU SVCOPY New

ORWTIU SVCPIDNT New

ORWTIU SVPASTE New

ORWTIU VIEWCOPY New

ORWTIU WRDCOPY New

ORWTPD GETOCMIN New

ORWTPD GETOCMOP New

ORWTPD PUTOCMIN New

ORWTPD PUTOCMOP New

Security Keys Associated:

Security Key Name New/Modified/Deleted

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ORATR LOCAL COORDINATOR New

ORATRC New

ORATRN New

Templates Associated:

Template Name Type File Name (Number) New/Modified/Deleted

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OREV AUTO DC INPUT OE/RR AUTO-DC RULES Modified

(#100.6)

New Service Requests (NSRs)

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20071218 - Teratogenic Drugs

20080323 - Prevent Previous Active Diet Replacing NPO Order Upon

exp-dc-canc

20110408 - PCE Code Expansion

20140806 - Order Check History and Validation

20070415 - Rehost/Reengineer Primary Care Management Module Work

Effort Unique Identifying

20080528 - Copy/Paste - The Ability To Identify and Monitor

20100701 - Breast Cancer Registry and Tracking of Abnormal Results

(SMART)

20130511 - Safe Prescribing and Reproductive Safety - a Teratogenic

Drugs (T-Drugs) Enhancement

20130903 - CDC-Short Description

20170403 - Expand Mental Health Care for Other Than Honorable (OTH)

Discharge

Note that the NSR 20080323 software changes in this patch do not include

modification of the active patient diets at the time of the install.

Patient Safety Issues (PSIs)

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PSPO #409, 872, 1450, and 2522

There is a potential for a patient to receive an unintentional diet upon

transfer from a service that required a NPO (Nothing Permitted Orally)

diet. This may lead to problems such as choking, airway obstruction and

respiratory arrest. Several changes were made to the NPO diet order

process to prevent auto and manual discontinue of diet orders and also

provide better warnings to the user when attempting certain discontinue

and ordering operations.

Reference NSR 20080323 and Remedy ticket 210982. Also see PSPO 3388 below

for discussion of this issue with sites using the Computrition software.

PSPO #473

If two of the Medications Expiring notifications are generated at the

same time for the same ordering provider, they are recognized a

duplicates and only one is sent. Providers may not recognize that more

than one medication may be expiring.

When processing notifications for expiring medications, the header text

of "Medications, Expiring" on the CPRS GUI Orders tab view is now bolded.

Related alerts are deleted when expiring meds are discontinued or renewed.

PSPO #851

Time Delay Orders Not Being Released Due to a Multitude of Issues

It was discovered that time delay orders may not be released when they

should due to several possible issues such as:

The movement event didn't take place.

The movement event was delayed.

A change in the treating specialty.

CPRS GUI Orders tab display was updated to clarify when patients have

delayed orders and prompt providers which set of orders they would like

to view. Reference Remedy Ticket #198146

PSPO #1031

Complex Outpatient Medication Orders with the "EXCEPT" Conjunction Do Not

Accurately "Transfer to Inpatient"

Inpatient orders do not have a feature to support the "EXCEPT"

conjunction. In this transfer situation, a patient could receive and

over- or under-dosing of medication. CPRS has been modified to remove the

"EXCEPT" conjunction from the "then/and" column when entering Complex

medication orders.

PSPO #1157 - Meds Tab Date Range Values for Display

A provider in CPRS does not have an easy way to determine the search date

range used to load data on the Meds tab. A provider can define a single

search date range for the Meds tab. However, this is not mandatory and if

a date range is not passed to the pharmacy packages, each package will do

its own date range search.

Two new date range parameters have been created for display purposes on

the Meds tab of CPRS GUI: One for Outpatient Pharmacy and Non-VA Meds and

the other for Inpatient Pharmacy. The date range values for these

parameters will display on the Meds tab regardless of whether or not they

are defined by the user (or defaulted by the application).

PSPO #1393 - Confusion when Writing Delayed Orders

The help text statement displayed in the Release Order pop up window is

confusing and may possibly contribute to duplicate orders displaying

after staff manually release inappropriate delayed orders.

When writing Delayed Orders, the Release Orders window has been updated

with text that is easier to understand and also additional help

text/options have been created to assist users in completing this task.

Reference Remedy ticket #320527.

PSPO #1900 - Copy/Paste

NSR 20080528 is implemented in this version of CPRS. The ability to

identify and monitor copied and pasted text into the medical chart is now

available.

PSPO #2025 - WAT 06/14/18 Per Jamie, presentation to stakeholders still

TBD if any additional work for this PSPO is required in v31b or if this

item can be removed from the patch description.

In CPRS v28, when an inpatient record is opened in CPRS GUI, the PCMM

button display was updated to include the patient's

Associate Provider. The display of Primary Care, Associate, and Attending

providers on the button was confusing.

PSPO #2098 - Allow Greater than 90 days Supply on Outpatient Meds

New long acting formulations of medications have come onto the market and

been added to VHA formulary. Providers need to be able to enter greater

than 90-days supply on medications that only come in units designed to

last greater than 90 days. This will require multiple packages to

correct. For example "Eligard" is a depot injectable that is

administered every 180 days. Patient may receive dose too often with

current functionality.

VistA Pharmacy and CPRS GUI have been updated to allow medication orders

with a maximum days supply of greater than 90 days.

PSPO #2483 - Accidental Selection of Wrong Patient

When selecting a patient in CPRS GUI, it is possible to accidentally

select the wrong patient due to the selection window "automatically"

scrolling. CPRS GUI was updated to prevent scrollbars from appearing in

the patient selection window which will prevent the automatic scrolling.

PSPO #2543 - Note Corruption on Signature

An addendum added by an additional signer to a consult-resulted progress

note may get corrupted upon signature, causing the addendum to be

unsigned, detached from the parent, and removed from the display, plus

the parent note's signature scrambled. This issue has now been corrected.

Reference Remedy ticket #594883.

PSPO #2639 - Problem Forwarding Consult - Selection Jumps to Different

Service

In the Forward Consult window of CPRS GUI, when attempting to select the

last service from the drop down list, it is possible for the selection to

"jump" to an incorrect service. The user may not realize that the

incorrect service was selected. This issue has now been corrected.

Reference Remedy ticket 1051196.

PSPO #2662 - Tooltip not Updating on Problem List of Encounter Form

On the CPRS Encounter form, the tooltip is not always updating to the

correct item. On the Problems tab of the Encounter form, when the form

size is reduced in order to generate a scrollbar and the mouse hovers

over a problem in the list, a tooltip is generated. When the mouse is

moved to other items in the list, the tooltip remains unchanged from the

initial item. The tooltip will now change as the mouse is moved to

different items in the list. Reference Remedy ticket 536815.

PSPO #3084, 3125, and 3221

When a patient from a site with the Computrition software is ordered a

tubefeeding and is not ordered a SEND NO TRAY "diet" at the same time, a

previously ordered diet without an expiration date will automatically

reinstate, without notification to dietary staff or the healthcare

provider.

Reference PSPO #409 for measures taken in CPRS GUI to mitigate downstream

issues in the Computrition software.

PSPO #3356 - CPRS Cover Sheet Immunization Display

The Cover Sheet Immunization display area displays the Short Name of the

immunization. For example, Pneumococcal PPSV23 vaccination displays as

"Pneumococcal", which may lead to a provider thinking PCV13 was given.

CPRS Cover Sheet will now display the full name of the immunization

instead of the short name (i.e. "Pneumococcal Polysaccharide Ppv23"

instead of "Pneumovax"). Reference SDM ticket R10995796FY17.

PSPO #3388 - A Manual or Auto-discontinued NPO Diet in CPRS can Cause a

Previously Ordered Diet to Reinstate in Computrition

NPO diets in Computrition can revert to the previous diet order upon auto

or manual discontinuation in CPRS, without any notification to the

dietary staff or healthcare provider. This occurs because the

discontinuation of the NPO diet in CPRS is communicated to Computrition

and, because Computrition always expects a diet for a patient, it

automatically reinstates the most recent previously ordered active

Computrition diet. When this issue occurs, CPRS will also automatically

reinstate the most recent previously ordered diet. Because of this, the

diet listed in CPRS and the diet listed in Computrition may be completely

different (and it is possible the patient should have remained on the NPO

diet).

The updates to CPRS GUI/VistA described in PSPO #409 above are intended

to mitigate the possibility of downstream issues in Computrition.

PSPO #3397 - Autosave of Progress Note

The progress note autosave functionality is not working in CPRS versions

30b (OR\*3\*350) and 30c (OR\*3\*423) under certain circumstances. This

issue is only apparent when there is an abnormal termination of the CPRS

session, AND the user has NOT saved the progress note without signature

or signed the progress note. One example of an abnormal termination of

the CPRS session is when the user invokes Windows Task Manager to End

that Process. CPRS GUI has now been corrected to restore the autosave of

TIU notes in this scenario.

PSPO #3267, 3284, 3405 - Patient Data Objects Incorrectly Listed Clinic

Order as an Active Inpatient Order

Nationally exported TIU Patient Data Objects (PDOs) that display patient

medication information did not distinguish Clinic Medications/Infusions

from other medications. The rules for medication object PDOs have been

updated to either remove Clinic Medications from the display or place

Clinic Medications in their own sub-heading.

See TIU\*1\*290 and the TIU Technical Manual for additional details.

PSPO #3525 - Skin Test Health Summary Component Display of Reading Values

Skin test Health Summary components readings in CPRS are displayed as "0

mm" when the purified protein derivative (PPD) skin test was given, yet

not read. Providers interpreted this as a negative reading, when

actually, no reading should display, and Results should state

"UNREPORTED".

The Reading field on the Skin Test tab of the CPRS GUI Encounter form has

been updated. This field now has a drop down list to enter skin test

reading values and the field will no longer default to a zero value. The

default zero value was the root cause of the misleading display in the

Health Summary components.

Reference CA SDM ticket R10995796FY17

Remedy Ticket(s) & Overview

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INC000000067447

INC000000069287

INC000000069337

INC000000069685

INC000000069758

INC000000070504

INC000000133674

INC000000198146

INC000000198536

INC000000205811

INC000000210982

INC000000214447

INC000000215908

INC000000221092

INC000000240130

INC000000245545

INC000000301412

INC000000305468

INC000000319910

INC000000320527

INC000000328153

INC000000433206

INC000000434226

INC000000443011

INC000000450139

INC000000482781

INC000000536815

INC000000583563

INC000000603534

INC000000444608

INC000000853662

INC000000914776

I7439454FY16

I10799607FY16

I14165711FY17

I7546770FY16

I8633754FY16

I9235462FY16

R10995796FY17

I17427419FY18

I16805536FY18

I16877892FY18

I18660001FY18

I18906933FY18

INC000000914776 (PSPO 2483)

I6910726FY16

I7705227FY16

INC0419622

1. INC000000067447 8 HIN-0102-41933 REVIEW/SIGN CHANGES ASKS NATURE OF

ORDER FOR HEALTH FACTOR

Problem:

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The Sign/Don't Sign button on Review/Sign changes dialog was not always

displaying the correct label under all circumstances.

Resolution:

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Dialog logic was updated to display the correct Sign/Don't Sign label

under all use cases.

2. INC000000069287 PAL-0600-62575 Order Set Doesn't Work right

Problem:

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Order Set not displaying correctly. In some situations while using an

order set the user is able to cancel out of the set without any warning,

leaving orders that would need to be discontinued before re-running the

order set again.

Resolution:

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A warning message is now present when clicking on the "Done" button from

the order set menu.

3. INC000000069337 FAR-1100-41820 PPD Reminder Dialog does not send

over a 0 reading

Problem:

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Dialog progress note text is not displaying PPD skin test reading in mm

when completed.

Resolution:

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Code modified to allow user to enter a value including a zero reading.

4. INC000000069685 HIN-0302-41180 MISSING ERROR WHEN LINK REMINDER

DIALOG TO CONSULT REQUEST

Problem:

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Error message not displaying when a user attempts to link a reminder

dialog to a consult/procedure.

Resolution:

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The system will now prevent users from being able to move reminder

dialogs over to a consult/procedure reason for request.

5. INC000000069758 4 UNY-0502-12261 Dose/Draw times

inappropriate/incorrect

Problem:

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Accessions/orders with missing or incorrect dose/draw times in lab file

60. When moving off of the date boxes in the labs tab the date box will

become blank if a previous date & time were already present in the box.

Resolution:

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The date & time are now properly formatted so that the conversion to

FileMan date & time does not fail.

6. INC000000070504 PUG-0104-51406 Rem dialogs not respecting indent of

W-P temp field

Problem:

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Reminder dialogs not respecting the properties of the template field when

configured in a reminder dialog element.

Resolution:

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Dialogs will now reflect correct formatting and indentions.

7. INC000000133674 4 Problem with Edit/Resubmit in CPRS.

Problem:

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When a provider orders a consult (not tracking only), the consult user

then forwards this consult to a tracking only consult. Then the consult

user cancels the consult, The provider comes back in and tries to resubmit

the consult but when trying to accept they are confronted with a "list

index out of bounds" error.

Resolution:

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Users will now see the entire list of services when attempting to

Edit/Resubmit a non-tracking consult.

8. INC000000198146 (PSPO 851)

Problem:

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It was discovered that time delay orders may not be released when they

should due to several possible issues such as:

The movement event didn't take place.

The movement event was delayed.

A change in the treating specialty.

Resolution

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In CPRS GUI, if the patient has delayed orders and the user accesses the

Orders tab, a dialog window opens labeled "Delayed Orders Exist for this

Patient". This dialog contains the list of the order "sets" available for

the patient. The user must choose which set of orders to access.

9. INC000000198536 6 Blank Orders

Problem:

-------

CPRS is allowing a user to copy an existing blank Text Order. When a text

order is initiated and then edited to remove all text, the order can still

be signed. The result is the release of a blank text order which can then

be copied into a new blank order.

Resolution:

----------

Since this was caused by leading and trailing spaces the text is now

rimmed to ensure that no extra spaces would be present and cause this

issue.

10. INC000000205811 6 Name not being capitalized in Primary Care

Team/Provider dialog box

Problem:

-------

Name not being capitalized in Primary Care Team/Provider dialog box.

Resolution:

----------

Additional characters have been added to the mix character functionality.

11. INC000000210982 (PSPO 409, 872, 1450, 2522) Auto-DC rules changed to

prevent discontinuation of NPO diet orders for the

Specialty transfer (S), OR (O), Transfer (T) event

types

Problem:

-------

Auto-DC rules permit discontinuation of NPO diet orders for the Specialty

transfer (S), OR (O), Transfer (T) event types

Resolution:

----------

-Prevent manual DC of NPO diet orders in CPRS GUI and display.

informational dialog with reason the action is prevented

-Disallow all Outpatient diet orders to have an Expiration Date/Time when

ordered.

-When ordering NPO, if the patient is currently on tubefeeding, display

dialog to the provider stating as much with CANCEL and CONTINUE options.

-Removed "Cancel Future Tray Orders" text and checkbox from tubefeeding

order dialog

-Removed "Auto Accept" and "Verify" options from Quick Orders

-Add a dialog box after tubefeeding is accepted, with the following

information and two options:

"A tubefeeding order must also have an active diet order"

"CONTINUE current diet order (in addition to tubefeeding order)

<Display current diet order or the text "No Order">

and <Display FUTURE diet orders>"

"Order new diet order (includes NPO diet) in addition to

tubefeeding order". This option would take the user to the diet

tab of the DIET ORDER order dialog.

12. INC000000214447 6 Quantity/Days Supply issues when entering an

Outpatient Order

Problem:

-------

Outpatient Pharmacy calculation of default Quantities and Days' Supply

for a complex order are not returning the Pharmacy API to CPRS for the

Quantity calculation when an edit is made to the day's supply field.

Resolution:

----------

Ensure that the fields are re-calculated as changes are applied to them.

13. INC000000215908 6 menus in order set automatically moving to next

screen

Problem:

-------

Menus in order set are automatically moving to next screen.

Resolution:

----------

When processing from an order menu from within an order set the user is

now returned to the menu to perform any additional orders before moving

to the next part of the order set.

14. INC000000221092 6 "stacked" alerts

Problem:

-------

When processing "stacker alerts" for a patient, the alerts are all

pointing to the same action so when they are processed the system is not

processing the correct one.

Resolution:

----------

When processing alerts, ensure that the correct alert action is being

processed.

15. INC000000240130 VAMHCS - TIU\*1\*222 printing issue

Problem:

-------

Work Copy print option for a Windows default printer displays Social

Security Number and Date of Birth and does not allow user to change to

Chart Copy. If the default printer is set to a VISTA printer, users have

the option to choose between Work and Chart copies.

Resolution:

----------

Users will now always get the dialog to choose chart or work copy as well

as a VistA printer.

16. INC000000245545 Can copy an order with an inactive drug

Problem:

-------

CPRS allows an outpatient medication order to be copied even when the drug

has been made inactive or has since been marked that it is not for

outpatient med use. This can occur if there is more than one drug linked

to the orderable item, and one of the drugs is still active and marked for

outpatient use.

Resolution:

----------

When copying an outpatient medication order, check the drug on the

prescription, and if it is not active or not marked for outpatient use, do

not allow it to be copied.

17. INC000000301412 6 "No Report Generated" warning not clearing between

tabs

Problem:

-------

"No Report Generated" warning not clearing between tabs.

Resolution:

----------

Developers made a logic change to clear the warning when switching to a

new tab.

18. INC000000305468 2 Users getting kicked out of CPRS with access

violations

Problem:

-------

Users getting kicked out of CPRS with access violations and other errors

when entering notes and orders.

Resolution:

----------

Gracefully close modal dialogs when CPRS times out or loses connection.

19. INC000000319910 6 Marking SHAD for encounters

Problem:

-------

On the Encounter form, the SHAD condition is dependent on the SC box being

checked.

Resolution:

----------

Developers made a change in CPRS to remove the dependency between SHAD and

SC.

20. INC000000320527 1 Delayed Orders instruction confusion

Problem:

-------

When a user selects the Write Delayed Orders button to use delayed orders

for an inpatient transfer, the instructions are unclear, causing users to

think the order is cancelled rather than the Hold being cancelled.

Resolution:

----------

When writing Delayed Orders, the Release Orders window has been updated.

The "Event Delay List" text has been replaced with "Delay Orders Until".

A single radio button is present on the window with the text: "Delay

release of new order(s) until". And two new parameters have been added

that can be used to add descriptive help text within the form itself, and

also to launch (via button click on the form) a site-defined webpage for

additional information/help with writing delayed orders.

21. INC000000328153 9 Need to add logging capability into CPRS.

Problem:

-------

There is a need for logging capability in CPRS to assist with debugging

and correcting exceptions (access violations, etc.) and runtime errors

(Stack overflow error, etc.)

Resolution:

----------

Developers added a parameter and additional coding to allow CPRS logging

to be turned on/off.

22. INC000000433206 5 AP reports from another VA showing up in patient

CPRS record

Problem:

-------

The ORWRP CIRN AUTOMATIC parameter determines if remote patient data

queries are done for all sites. In this case, the parameter was turned on

which led the user to see AP reports from another facility. However, it

was found that CPRS was not correctly implementing the parameter value and

would only select the first site in the list instead of all sites.

Resolution:

----------

Developers made a change to CPRS such that when the ORWRP CIRN AUTOMATIC

is turned on, "All Available Sites" from which remote data can be

retrieved will be checked.

23. INC000000434226 5 When Surgery tab is selected for a certain patient

user gets invalid index error

Problem:

-------

CPRS would sometimes "hang" on loading the Surgery tab for certain

patients.

Resolution:

----------

Developers made changes to the Surgery tab logic in order to prevent the

error.

24. INC000000443011 2 Encounter Pop-Up Box Not Appearing with Flu

Reminder as Secondary Diagnosis

Problem:

-------

Providers are not being prompted to enter primary diagnosis codes when a

nurse has documented a flu vaccine on the primary care visit via the

clinical reminder. The nurse documentation includes a secondary diagnosis

only.

Resolution:

----------

If primary diagnosis is not present then add this to the popup informing

the user that it is needed.

25. INC000000450139 6 Pt name on reminder definition in CPRS

Problem:

-------

Patient name prints on reminder definition when printing from

CPRS/Reminder Inquiry. Patient name should be suppressed due to potential

breach of patient privacy.

Resolution:

----------

Set a flag to determine if the header should print or not.

26. I13413770FY17 5 Non-VA Meds & Additional Diet orders NOT releasing

v28

Problem:

-------

Non VA meds are not showing up in notifications when closing CPRS,

refreshing the patient or selecting a new patient.

Resolution:

----------

Unsigned order notifications are only removed when both the signature and

the order check (if applicable) have been completed.

27. INC000000482781 4 V28 Release from Hold Action

Problem:

-------

Hold action messages for medications is causing confusion when removing

the Hold and needs to be reworded in both Pharmacy and CPRS.

Resolution:

----------

Changed code to force action to respect parameter.

28. INC000000536815 PCE software/issue

Problem:

-------

Entry of a secondary diagnosis to an encounter form in CPRS is not

stuffed when selected from the miscellaneous list if the list is long

enough to require the user to scroll.

Resolution:

----------

Users will see that scrolling now puts the box around what is actually

behind the mouse.

29. INC000000583563 6 Inactive Dietary Tube Feed Quick Order still

functions

Problem:

-------

Inactive Dietary Tube Feed Quick Order still functions even though the

tube feeding entry has been "inactivated" & there is no indication to the

provider that the entry is inactive.

Resolution:

----------

A message will now display to the user that the orderable is inactive and

the dialog will not open.

30. INC000000603534 2 a note title association got somehow LINKED to the

ROOT folder "Document Titles'.

Problem:

-------

A note title association was inappropriately LINKED to the ROOT folder

"Document Titles' resulting in the 'associated title' field for all note

titles not displaying.

Resolution:

----------

Developers made a change to the CPRS GUI Template Editor to prevent

linking note titles to the root folders.

31. INC000000444608 2 Discharge Summary - Attending Physician

Problem:

-------

In a Discharge Summary, use of the Identify Additional Signer (Right

Click) to change the Expected Cosigner allows a user without Expected

Cosigner credentials to be selected as the Expected Cosigner. If an

author selects Attending Physician prior to selecting Discharge Summary

Title, Residents are not displayed. Also, once a Discharge Summary is

being edited, the Change button displays the Residents under the Attending

Physician field.

Resolution:

----------

Users will now have only users that are appropriately designated as

Expected Co-Signers.

32. INC000000853662 6 OERR - Orders Tab:

Problem:

-------

Message box for entry of delayed orders generates a warning that patient

is already admitted when the release orders box opens and the "OK" button

cannot be selected to exit the message.

Resolution:

----------

Users will now be able to move the mouse so that the OK button is

selectable and the message/hint window will be hidden when not

appropriate.

33. INC000001051196 (PSPO 2639) Problem Forwarding Consult - Selection

Jumps to Different Service

Problem:

-------

In the Forward Consult window of CPRS GUI, when attempting to select the

last service from the drop down list, it is possible for the selection to

"jump" to an incorrect service. The user may not realize that the

incorrect service was selected.

Resolution:

----------

The service list display has been updated to prevent the incorrect

selection from occurring.

34.

Problem:

--------

There is a need to restrict the One Step Clinic Administration menu item

on the Action menu of the Orders Tab using a site configurable parameter.

Resolution:

-----------

A new parameter has been created called OR ONE STEP CLINIC ADMIN OFF.

This parameter is used to disable/enable the 'One Step Clinic Admin'

option on the Action menu on the ORDERS Tab.

This parameter is exported with a Package level default set to NO which

leaves the 'One Step Clinic Admin' menu item on the Action menu of the

ORDERS tab active/selectable. Setting this parameter at the

System | Division | User level to YES will make this menu

inactive/unselectable.

35. I7439454FY16: Lab Order Discontinue Issue

Problem:

-------

Lab orders are not eligible for canceling or discontinuing after the

orders are accessioned in the Laboratory package. The accessioning process

indicates that labels have printed, and testing may have begun on the

specimen. However, it is possible to discontinue a Lab order after

accessioning if accessioning occurs between the time the order was

specified to be discontinued in CPRS and the time the discontinue was

signed in CPRS.

Solution:

--------

Modify routine ORCACT01 to perform a check as to whether an order was

accessioned before allowing the user to sign a discontinue in CPRS. The

following message will display: "This order may not be discontinued.

Cancel the discontinue to remove it from the patient's record." Sites may

add additional text to the message (i.e. listing a phone number to call

for assistance) by defining text for the parameter "OR LAB CANCEL ERROR

MESSAGE".

36. I10799607FY16 CPRS crashes with certain order sets

I14165711FY17

I8633754FY16

I9235462FY16

Problem:

--------

In certain cases, CPRS will abnormally terminate when executing certain

order sets/menus.

Resolution:

-----------

Even though this problem is easily reproduced in v30c and v31a, it can no

longer be recreated in v31b. Unfortunately, there was no specific project

or task that was started to address this issue. It is being included in

testing for 31b to verify that it is resolved.

37. R10995796FY17(PSPO 3356) - CPRS Coversheet immunization display issue

due to Immunization Short Name - Patient

Safety Issue reported

Problem:

--------

CPRS Cover Sheet Immunization area displays the Short Name of the

Immunization. For example, Pneumococcal PPSV23 vaccination displays as

"Pneumococcal" on the CPRS coversheet, which may lead to a provider

thinking PCV13 was given.

Resolution:

-----------

CPRS Cover Sheet will now display the full name of the immunization

instead of the short name (i.e. "Pneumococcal Polysaccharide Ppv23"

instead of "Pneumovax").

38. I16877892FY18: Post Patch OR\*3\*461 fixing generic orders and sending

FORUM messages, these are NOT medication orders

Problem:

-------

The debug code that was added to OR\*3\*461 is sending too many generic

order "false positives." It should not send generic orders, only

medication orders.

Resolution:

----------

Altered the code to filter out generic orders.

39. I17427419FY18: BCMA Radio Buttons not properly displaying warning

messages

Problem:

--------

When the user selects a radio button for a report range that is invalid,

an error is displayed ("The Date Range selected is greater than the

Maximum Days Allowed of 7 for this report."), but only the first time.

After that, selecting a new date range button will not update the report

nor inform the user of an incorrect choice.

Resolution:

-----------

The CPRS GUI was not clearing the 'button click' after processing. The

GUI was modified to clear after processing each time. Therefore, the

error message will display each time an inappropriate selection is made.

40. I16805536FY18: Receiving access violations daily.

Problem:

--------

When looking up a diagnosis in the "Lookup Other Diagnosis" form, if the

user double-clicks on the white space next a search result when no search

result has yet been selected, there is an access violation.

Resolution:

-----------

The double-click handler for the search results now checks to make sure

something is selected (and not nil).

41. I16877892FY18: Problem with messages after OR\*3\*461 released

Problem:

--------

Post Patch OR\*3\*461 fixing generic orders and sending FORUM messages,

these are NOT medication orders Currently the post patch process requires

someone from CLIN 2 (mainly me) processing All of these FORUM messages. So

far as of today there have been 2189 generic orders being identified where

the TO field was changed by OR\*3\*461. There have been about 343 messages

PSJ OR PAT OE related medications fixed and 30 PSJ OR CLINIC medications

fixed.

Solution:

---------

The audit code, created in OR\*3\*461, to assist in tracking down display

group issues has been modified to ignore generic (nurse, text, activity,

etc.) orders that are associated with the Inpatient Meds display group.

42. I18660001FY18 - Error in ORQPTQ5

Problem:

-------

When the provider attempted to log in to CPRS, there was an immediate M

error in routine ORQPTQ5.

Solution:

--------

The error had to do with having a patient selection list that contained

over 200 appointments plus a particular combination of selection list

parameters, as well as only future appointments no more than one day in

the future. Modified the routine ORQPTQ5 to handle this particular

situation.

43. I18906933FY18 - CPRS GUI Access Violations when she selected a

patient and in another case when she processed an

alert

Problem:

-------

When the connection the Vista server is slow enough, it's possible for

the CPRS user to click on File, Select New Patient... multiple times

before the server responds. This can create a situation where opening the

Select Patient form from the first menu click is interrupted in mid-setup

by the second. The error won't happen, though, until the Select Patient

form is closed by selecting a patient or processing an alert. The

interrupted attempt tries to restart, and fails, creating an access

violation.

Resolution:

----------

The call to "Application.ProcessMessages" in ResizeDescendants in

ORFn.pas has been removed to prevent a possible attempt to open the

Select Patient form a second time while it is already being opened.

44. INC000000914776 (PSPO 2483) - Patient selection screen issue

Problem:

--------

When selecting a patient in CPRS GUI, it is possible to accidentally

select the wrong patient due to the selection window "automatically"

scrolling.

Resolution:

-----------

CPRS GUI was updated to prevent scrollbars from appearing in

the patient selection window which will prevent the automatic scrolling.

45. I6910726FY16 - Display Issue in CPRS for IV Order

Problem:

--------

Initially, the problem being reported was that the Total Dose display in

the Order Detail for IV orders displayed different values depending on

whether or not the finishing pharmacist had auto-verify turned on or off

in the Pharmacy package.

Further investigation revealed that, in fact, the Total Dose was ambiguous

for IV orders, in general. The best example is a multi-additive IV order.

Total Dose has no meaning.

Resolution:

---------------

Per the decision of the Pharmacy Benefits Management group, Total Dose has

been moved from the Order Detail display for IV orders. It will remain for

Unit Dose medications.

46. I7705227FY16 - Pharmacy Quick Orders

Problem:

--------

The message, Instructions may not be longer than 60 characters, prevents

the entering of a quick order. This message is encountered when local

dosage instructions are over 60 characters and BCMA UNITS are defined.

Resolution

----------

Modify routine ORCDPS2 to use the "D" index in the local ORDIALOG array

instead of the "B" index. The D index contains the local dosage

instructions without the BCMA amount. The "B" index included the BCMA

amount and was the reason the condition failed displaying the message and

prevented the completion of the quick order.

47. INC0419622 - RA OERR EXAM Menu does not allow user to scroll through

all exams

Problem:

-------

Problem reported: A provider could not locate an U/S Thyroid order. It

was found that the user can only scroll through part of the list using

the mouse. About half way through it stops scrolling. Users either need

to select one of the exams and use the arrow keys on the keyboard to

continue scrolling or type the exact name of the test.

The problem stems from how the component attempts to cache the value of

the "page size" of the visible listbox. The cached value is incorrect,

calculated against a 0-pixel height, which causes the scrolling to behave

erratically.

Resolution:

----------

Instead of relying on the cached value of the "page size," the "page

size" is calculated based on the control's current height just before the

value is needed. Since the calculation is simple (FLargeChange := (Height

div ItemHeight) - 1), caching isn't required.

Test Sites:

===========

Atlanta VA Health Care System (Decatur, GA)

Hampton VA Medical Center (Hampton, VA)

Northport VA Medical Center (Northport, NY)

Louis Stokes Cleveland VA Medical Center (Cleveland, OH)

Documentation and Software Retrieval:

=====================================

The following documents can be downloaded from the FTP address as

directed by the CPRS Implementation team.

The updated documentation associated with this patch is:

File Name Contents

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CPRSGUITM.PDF CPRS Technical Manual: GUI Version

CPRSGUIUM.PDF CPRS User Guide: GUI Version

CPRSLMTM.PDF CPRS Technical Manual

OR\_30\_377\_RN.PDF CPRS GUI v.31 (Patch OR\*3.0\*377)

Release Notes

OR\_30\_377\_IG.PDF CPRS GUI v.31 Installation Guide

Help files Folder containing all files

for the CPRS Help system

CPRS documentation can also be found in the VA Software Document Library:

http://:PORT/vdl.

Sites will retrieve VistA software from an FTP address as directed by the

CPRS Implementation team. Installation instructions will be distributed

when your site begins the implementation process.

The software distribution includes:

File Name Contents Retrieval Format

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OR\_30\_377.ZIP CPRSCHART.EXE BINARY

CPRS\_31\_Help.ZIP HELP Directory BINARY

OR\_30\_377\_SRC.ZIP CPRS v31 Source BINARY

CPRS31\_RELATED.KID CPRS V31 RELATED ASCII

CPRS31\_REQUIRED.KID CPRS V31 REQUIRED ASCII

Patch Installation:

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Pre/Post Installation Overview

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Pre-Installation Instructions

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Please refer to the CPRS GUI v31.b Installation Guide for any specific

pre-installation instructions.

Installation Instructions

-------------------------

The following instructions are an overview. Please refer to the CPRS GUI

v31.b Installation Guide for specific installation instructions.

This patch may be installed with users on the system although it is

recommended that it be installed during non-peak hours to minimize

potential disruption to users. This patch should take less than 5 minutes

to install.

1. Download the CPRS31\_REQUIRED.KID file from the appropriate

FTP Server to a directory on your system.

2. Use the LOAD A DISTRIBUTION option on the KIDS INSTALLATION menu, and

3. From the Kernel Installation and Distribution System Menu, select

the Installation Menu. From this menu, you may elect to use the

following option. When prompted for the INSTALL enter the patch #:

OR\*3.0\*377.

a. Print Transport Global - This option lets you print the contents

of a Transport Global that is currently loaded in the ^XTMP

global.

b. Backup a Transport Global - This option will create a backup

message of any routines exported with this patch. It will not

backup any other changes such as DDs or templates.

c. Compare Transport Global to Current System - This option will

allow you to view all changes that will be made when this patch

is installed. It compares all components of this patch

(routines, DDs, templates, etc.).

d. Verify Checksums in Transport Global - This option will allow

you to ensure the integrity of the routines that are in the

transport global.

4. From the Installation Menu, select the Install Package(s) option and

choose the patch to install: OR\*3.0\*377.

5. When prompted 'Want KIDS to Rebuild Menu Trees Upon Completion of

Install? NO//' Answer 'NO'

6. When prompted 'Want KIDS to INHIBIT LOGONs during the install?

NO//' Answer 'YES'

7. When prompted 'Want to DISABLE Scheduled Options, Menu Options,

and Protocols? NO//' Answer 'NO'

8. If prompted "Delay Install (Minutes): (0 - 60): 0//" Respond 0.

Post-Installation Instructions

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Please refer to the CPRS GUI v31.b Installation Guide for any specific

post-installation instructions.

Routine Information:

====================

The second line of each of these routines now looks like:

;;3.0;ORDER ENTRY/RESULTS REPORTING;\*\*[Patch List]\*\*;Dec 17, 1997;Build 512

The checksums below are new checksums, and

can be checked with CHECK1^XTSUMBLD.

Routine Name: ORB3

Before:B141411958 After:B147244257 \*\*31,74,91,105,139,190,220,253,

265,296,348,350,452,377\*\*

Routine Name: ORB3FUP1

Before: B77909013 After: B79593146 \*\*9,64,74,105,139,243,350,377\*\*

Routine Name: ORB3U1

Before: B66692365 After: B67528641 \*\*9,74,88,91,105,179,220,250,

379,377\*\*

Routine Name: ORB3USER

Before: B73039956 After: B73763137 \*\*74,91,105,139,200,220,458,377\*\*

Routine Name: ORB3UTL

Before: n/a After: B49942430 \*\*377\*\*

Routine Name: ORBSM

Before: n/a After: B7144564 \*\*377\*\*

Routine Name: ORBSM1

Before: n/a After: B2826154 \*\*377\*\*

Routine Name: ORBSMART

Before: n/a After: B39545683 \*\*377\*\*

Routine Name: ORCACT0

Before: B67480788 After: B68864519 \*\*7,27,48,72,86,92,94,141,165,

177,173,190,215,243,289,204,

306,350,425,434,377\*\*

Routine Name: ORCACT01

Before: B77384512 After: B86312246 \*\*94,116,134,141,163,187,190,

213,243,306,374,350,377\*\*

Routine Name: ORCDFHTF

Before: B19437978 After: B19311201 \*\*7,141,215,350,377\*\*

Routine Name: ORCDPS1

Before: B86245200 After: B85374723 \*\*94,117,141,149,195,215,243,

280,337,311,350,377\*\*

Routine Name: ORCDPS2

Before: B68376826 After: B68753642 \*\*94,116,125,131,243,311,350,377\*\*

Routine Name: ORCDSD

Before: B4626273 After: B5962741 \*\*434,377\*\*

Routine Name: ORCMEDT1

Before: B45769509 After: B47348452 \*\*8,46,57,95,110,245,243,296,

341,377\*\*

Routine Name: ORCMEDT4

Before: B93356095 After:B107416236 \*\*8,46,95,245,313,389,377\*\*

Routine Name: ORCSAVE

Before:B127544119 After:B128338708 \*\*7,56,70,73,92,94,116,141,163,

187,190,195,243,303,293,280,

306,286,269,423,421,382,377\*\*

Routine Name: ORCSAVE2

Before:B113061054 After:B108393479 \*\*4,27,56,70,94,116,190,157,

215,265,243,293,280,346,269,

421,382,377\*\*

Routine Name: ORDDPAPI

Before: B1521511 After: B2022075 \*\*243,377\*\*

Routine Name: ORDV02A

Before: B11152192 After: B13469506 \*\*243,377\*\*

Routine Name: ORDV02B

Before: B32191615 After: B44201413 \*\*350,423,377\*\*

Routine Name: ORDV02C

Before: B17644720 After: B24196426 \*\*350,423,377\*\*

Routine Name: ORDV02D

Before: B33524231 After: B33598562 \*\*423,377\*\*

Routine Name: ORDV06C

Before: n/a After: B24501975 \*\*377\*\*

Routine Name: ORDVX1

Before: B5908194 After: B6697049 \*\*243,315,377\*\*

Routine Name: ORERRH

Before: n/a After: B6071341 \*\*377\*\*

Routine Name: OREV4

Before: B24244068 After: B58326954 \*\*141,367,377\*\*

Routine Name: ORIMO

Before: B3277195 After: B2969759 \*\*187,190,195,215,243,350,424,377\*\*

Routine Name: ORLPREM

Before: n/a After: B31103665 \*\*377\*\*

Routine Name: ORLPREML

Before: n/a After:B248216418 \*\*377\*\*

Routine Name: ORMTIME

Before: B9294457 After: B10041387 \*\*40,253,243,377\*\*

Routine Name: ORNORC

Before: n/a After:B122943673 \*\*377\*\*

Routine Name: OROCLM

Before: n/a After: B46986445 \*\*377\*\*

Routine Name: OROTHCL

Before: n/a After: B5443187 \*\*377\*\*

Routine Name: ORQ12

Before: B37558185 After: B42109759 \*\*12,27,78,92,116,190,220,215,

243,356,441,377\*\*

Routine Name: ORQ21

Before: B37800373 After: B39169290 \*\*141,190,195,215,243,361,350,

417,377\*\*

Routine Name: ORQOUTL

Before: n/a After: B14665061 \*\*377\*\*

Routine Name: ORQPT2

Before: B9409133 After: B9482111 \*\*377\*\*

Routine Name: ORQPTQ1

Before: B56022861 After: B82276856 \*\*9,74,63,91,85,139,243,449,377\*\*

Routine Name: ORQPTQ11

Before: B56702520 After: B62771472 \*\*82,85,109,132,173,253,320,377\*\*

Routine Name: ORQPTQ5

Before: B76840931 After: B81774796 \*\*82,85,187,190,320,377\*\*

Routine Name: ORQPTQ6

Before: B45127106 After: B47621876 \*\*82,85,187,320,377\*\*

Routine Name: ORQQAL

Before: B15654998 After: B15657851 \*\*9,85,162,190,216,232,243,269,377\*\*

Routine Name: ORQQPL1

Before: B93414156 After: B93213031 \*\*10,85,148,173,203,206,249,

243,280,306,361,385,350,377\*\*

Routine Name: ORQQPP

Before: B2945231 After: B2438028 \*\*377\*\*

Routine Name: ORQQPX

Before: B64886105 After: B66392741 \*\*10,85,184,187,190,226,377\*\*

Routine Name: ORQQPXRM

Before: B30470800 After: B14969381 \*\*10,85,116,173,187,190,215,

243,306,389,377\*\*

Routine Name: ORSMART

Before: n/a After: B4695133 \*\*377\*\*

Routine Name: ORUTL

Before: B85871234 After: B92870890 \*\*95,280,218,350,422,377\*\*

Routine Name: ORUTL4

Before: B10504145 After: B15715664 \*\*350,424,434,377\*\*

Routine Name: ORWCIRN

Before: B11510332 After: B11510332 \*\*10,101,109,132,141,160,208,

239,215,243,350,434,377\*\*

Routine Name: ORWCV

Before: B80219268 After: B81205650 \*\*10,85,109,132,209,214,195,

215,260,243,282,302,280,377\*\*

Routine Name: ORWDPS1

Before: B58422591 After: B70522709 \*\*85,132,141,163,215,255,243,

306,350,435,377\*\*

Routine Name: ORWDPS2

Before: B68292926 After: B66925440 \*\*85,116,125,131,132,148,141,

195,215,258,243,424,420,454,

452,377\*\*

Routine Name: ORWDSD1

Before: B8338183 After: B14435210 \*\*434,377\*\*

Routine Name: ORWDX

Before: B84918116 After: B98912439 \*\*10,85,125,131,132,141,164,

178,187,190,195,215,246,243,

283,296,280,306,350,424,421,

461,431,377\*\*

Routine Name: ORWDXA

Before:B119097370 After:B122368603 \*\*10,85,116,132,148,141,149,

187,213,195,215,243,280,306,

390,421,436,434,377\*\*

Routine Name: ORWDXC

Before: B77488724 After: B73923918 \*\*10,141,221,243,280,346,345,

311,395,269,469,377\*\*

Routine Name: ORWDXC2

Before: n/a After: B371736 \*\*377\*\*

Routine Name: ORWDXM1

Before:B111273921 After:B112453252 \*\*10,85,131,132,141,178,185,

187,215,243,280,331,388,350,

423,434,377\*\*

Routine Name: ORWDXM2

Before: B76657020 After: B78268362 \*\*10,85,109,116,132,158,187,

195,215,243,280,356,377\*\*

Routine Name: ORWDXM3

Before:B118361960 After:B123542495 \*\*10,85,131,132,141,185,187,

190,195,215,243,303,296,280,

350,434,441,377\*\*

Routine Name: ORWORB

Before: B74023568 After: B83056280 \*\*10,85,116,148,173,190,215,

243,296,329,334,410,377\*\*

Routine Name: ORWPCE

Before: B63752206 After: B61947373 \*\*10,85,116,173,190,195,215,

243,295,280,306,361,385,398,

377\*\*

Routine Name: ORWPCE1

Before: B71259369 After: B74588265 \*\*10,85,116,132,148,187,190,

215,243,280,306,361,377\*\*

Routine Name: ORWPCE3

Before: B60736821 After: B65582403 \*\*10,85,116,190,280,306,371,

361,385,377\*\*

Routine Name: ORWPS

Before: B65076275 After:B116206596 \*\*10,85,116,132,141,173,203,

190,195,265,275,243,280,350,

377\*\*

Routine Name: ORWPT

Before: B64148022 After: B91866391 \*\*10,85,132,149,206,187,190,

215,243,280,306,311,441,431,

377\*\*

Routine Name: ORWPT1

Before: B33003577 After: B34392896 \*\*10,109,280,340,306,387,377\*\*

Routine Name: ORWRP

Before: B77042419 After: B77042335 \*\*1,10,85,109,132,160,194,227,

215,262,243,280,377\*\*

Routine Name: ORWRP2

Before: B30528782 After: B31547954 \*\*10,109,212,309,332,377\*\*

Routine Name: ORWSR

Before: B28551721 After: B30125625 \*\*109,116,132,148,160,190,274,

347,377\*\*

Routine Name: ORWTIU

Before: B10078381 After:B118865475 \*\*10,85,109,132,195,243,377\*\*

Routine Name: ORWTPD

Before: B13966510 After: B18832323 \*\*109,120,132,148,141,173,195,

243,377\*\*

Routine Name: ORWTPP

Before: B19368874 After: B20201254 \*\*85,149,243,377\*\*

Routine Name: ORWTPT

Before: B20925260 After: B35877461 \*\*85,243,377\*\*

Routine Name: ORWU

Before: B62136332 After: B66903378 \*\*10,85,132,148,149,187,195,

215,243,350,424,431,377\*\*

Routine Name: ORX8

Before: B14076092 After: B15610721 \*\*13,21,48,68,92,141,163,272,377\*\*

Routine Name: ORY377

Before: n/a After: B43761392 \*\*377\*\*

Routine Name: ORY377O

Before: n/a After:B122408828 \*\*377\*\*

Routine Name: ORYDLG

Before: B14515305 After: B14946667 \*\*141,165,216,243,280,377\*\*

Routine list of preceding patches: 226, 272, 315, 320, 332, 341, 347, 367

379, 382, 387, 389, 398, 410, 417, 422, 431, 435

449, 452, 458, 469

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User Information:

Entered By : CRUMLEY,JAMIE Date Entered : JUL 29,2013

Completed By: Date Completed:

Released By : Date Released :

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