VistA Patch Display Page: 1

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Run Date: JUL 27, 2016 Designation: OR\*3\*423 TEST v75

Package : ORDER ENTRY/RESULTS REPORTING Priority : MANDATORY

Version : 3 Status : UNDER DEVELOPMENT

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Associated patches: (v)OR\*3\*269 <<= must be installed BEFORE `OR\*3\*423'

(v)OR\*3\*348 <<= must be installed BEFORE `OR\*3\*423'

(v)OR\*3\*350 <<= must be installed BEFORE `OR\*3\*423'

(v)OR\*3\*389 <<= must be installed BEFORE `OR\*3\*423'

Subject: CPRS v30.B Follow Up Fixes

Category: ROUTINE

Description:

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This patch is a follow up to the Computerized Patient Record System

(CPRS) Graphical User Interface (GUI) v30.B release.

The following issues are addressed by this patch:

1) Fix for Group Notes where certain procedure codes (99078, 90853, H0005)

selected from the search results are not saving to PCE correctly when

completing a Group Notes encounter. As a result these encounters were

flagged as incomplete on the ACTION REQUIRED status report. This issue is

documented in Service Desk ticket #I5957404FY16.

2) OR\*3.0\*389 released an addition to the ORDER MENU MANAGEMENT [ORCM

MGMT] menu. The Create Clinic Order QOs from Inpatient QOs [OR CONV INPT

QO TO CLIN ORD QO] option was added to convert clinic order quick orders

from existing inpatient quick orders. This new utility included the

ability to "copy" or "move" quick orders. The copy action would also try

to delete the original quick order if the user wanted to do so.

An issue was discovered in the copy process where the utility was

checking for any items pointing to (using) the original quick order,

\*before\* the user was prompted about deleting the original quick order.

If any pointers were found, the utility would then issue a message

stating: "Cannot delete order dialog - other file entries point to this

order dialog!" This creates user confusion, as the user was never

actually asked about deleting the quick order.

This issue has been resolved by correcting the logic used during the copy

process. When copying quick orders, users will be prompted with,

"Do you want to delete the original quick order?" If yes, the utility

will then check for any pointers and issue the "cannot delete" message

when pointers are found.

Example:

Select one of the following:

1 MOVE

2 COPY

Enter response: 2 COPY

NAME: COPY TEST FOR OR\*3\*423

Quick order copy complete.

Do you want to delete the original quick order? NO// YES

Cannot delete order dialog - other file entries point to this order

dialog!

423 UNIT DOSE DEL ON COPY T1 is pointed to by:

FILE # IEN NAME

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801.41 4703 PXRM ELEM 1

Press any key to continue:

3) Fix added to the generic consult order dialog, GMRCOR CONSULT (ORDER

DIALOG file #101.41) where consults prosthetics quick orders were

erroneously having a default response included for the Clinically

Indicated Date field. Prosthetics requests do not use this field and it

should not have been included for these types of quick orders. This issue

is documented in Service Desk ticket #I8043301FY16.

4) Three new reports were added to CPRS on the Labs Tab and Reports Tab with

the installation of Patch OR\*3.0\*350 or CPRS Version 30b. Those reports are

the Lab Overview (Collected Specimens), Pending Lab Orders and Lab Orders

(All). It has been reported that not all orders are being displayed. The

problem is that the orders are being pulled from the database using the Order

Date/Time rather than the Collection Date/Time. Since the Order Date/Time

can be very different from the actual Collection Date/Time, some of the

orders appear to be missing from the display because the Order Date/Time

doesn't fall within the date range selected by the user. The fix for this

problem is to use the Collection Date/Time rather than the Order Date/Time

when pulling data from the database.

Another problem affecting the content of these three reports was found

dealing with the purging of old orders and accessions in the VISTA Lab

package. The purged orders did not display on the reports because the

extract routine was pulling from the files that had been purged. This

has been corrected with this patch and you should now see the orders

affected by the Lab purge in the reports.

These reports that have Lab Test Names longer than 25 characters is

causing the results display in the Details pane to all run together making

it difficult to read. This has been corrected so that Test Names longer

than 25 characters will use the Lab Test Print name instead of the Lab

Test Name.

5) Patch OR\*3.0\*389 created two new cross references in the ORDERS file

(#100) on the DIALOG (100,2) and the ITEM ORDERED (100,7) fields

respectively. It was discovered that these new cross references were not

being populated for new orders created after the install of OR\*3.0\*389.

This patch will queue a tasked job to search through ORDERS and add

any missing "C" and/or "D" cross reference entries. The post-install will

look up the install date of OR\*3.0\*389, and use the day before that date

as the start date to begin searching for missing cross reference entries.

E.g. OR\*3.0\*389 installed on April 7, 2016; start date will be April 6,

2016. This patch also updates the order save process to populate the cross

references.

If the install date for OR\*3.0\*389 is not found, the patch will abort and

ask the installer to submit a help desk ticket for further assistance.

When the cross reference setting process has successfully completed, a

MailMan message with the subject of "PATCH OR\*3.0\*423 ORDER INDEX

CORRECTION STATUS" will be sent to the patch installer (DUZ). The text of

the message is:

"The file #100 index correction from OR\*3.0\*423 was successfully

completed."

If the tasked job is asked to stop before the cross reference setting

process has completed, a status message, with the same subject as above,

will be sent to the installer. The text of that message is:

"The file #100 index correction in OR\*3.0\*423 has unexpectedly stopped.

If you or the system manager did not stop the process, please check the

error log and file a help desk ticket for assistance.

To requeue the cleanup/conversion process, run RESTART^ORY423 from the

programmer prompt and when asked for the starting order date, enter

3150722.1337"

Exactly how long the tasked job will take to run will vary according to

the number of orders that have been entered since OR\*3.0\*389 has been

installed. While running, the task itself will appear in TaskMan and

other task monitoring options with the following message:

"File 100 C/D Index Correction".

6. As part of the installation of patch OR\*3\*350 (CPRS v30b), all

Outpatient Medication quick orders that were built for orderable items

that were considered supply items were converted to the PSO SUPPLY

dialog. While this works correctly for providers using the quick orders,

if a nurse uses them then issues may occur later (dependent on several

other settings). For example, the nurse may not be able to change, copy

or renew the orders. Therefore, this patch has a post-install routine

that will move these quick orders back to the Outpatient Medication

dialog. This is a temporary measure. Once the issues with the PSO SUPPLY

dialog are corrected, a new menu option will be created to allow the site

to determine when (if) they wish to move their supply quick orders to the

PSO SUPPLY dialog.

7. CPRS 30B (OR\*3\*350) included funtionality related to what was IMO but

is now Clinic Medications and Infustions. This included 2 new order

dialogs that allow for simplicity of entering these orders. When using

these dialogs the user is shown a message "You are about to enter a

Clinic Medication/Infusion order. Are you sure this is what you want to

do?" During 30B deployment it was determined that if the patient was an

outpatient and the current location was a Clinic Setup for Clinic orders,

then this message should not display. This patch makes the change so

that it does not display in this scenario. It also changes it so that in

situations where the message does display, that the default action is the

"Yes" button so that the user can hit enter to get by it.

8. When flagging an Orderable Item (OI) for Inpatient Meds, the flagged

OI alert would not fire sometimes for items in an IV order. This was due

to the fact that IV orders contain multiple Orderable Items. This patch

corrects this in that the alert can fire for any of the OIs in the IV

order. Jazz item: 258188, HD: 69339, 70141, 155223, 606492

9. When flagging and Orderable Item (OI) for Inpatient Meds, if an order

was placed for that OI as a Clinic Medication/Infusion or an Inpatient

med for a patient that is currently an outpatient, then the flagged OI

alert would not fire. With this patch it will now fire correctly in

those sitiations. Jazz item 258189

10. A defect was introduced with OR\*3\*350 (CPRS 30B) where if the IV

ORDER DIALOG in file 101.41 (PSJ OR PAT OE) has the field "ASK FOR

ANOTHER ORDER" set to "NO" then when and IV order was placed it would

file 2 IV orders that were duplicates. Although this was found on the IV

ORDER DIALOG it also was possible for this to happen on other order types

as well. This issue is fixed now so that in this scenario only a single

IV order is placed.

11. When manually typing a Reason for Request (vs. insertion via template)

the text is not wrapping as you approach the right margin. This issue was

caused by the CPRS GUI application moving from Delphi 2006 to Delphi XE3.

The text field used in the Reason for Request was updated to have

different behavior with respect to scrolling regions and automatically

wrapping lines of text. The properties of this text field have been

updated to restore automatic wrapping of text as the text approaches the

right margin.

12. The tab order in the main CPRS application form, fFrame, was

inadvertently changed. This change created tab order issues on several of

the CPRS Tabs. For example, in CPRS GUI 30a after moving to the Consults

Tab, pressing the TAB key once would select the first consult in the list.

In 30b, the same action would select the patient header bar and require

multiple presses of the TAB key to move through the header bar and into

the list of consults. Similar behavior of additional tabbing can be seen

on other CPRS Tabs. The tab order in fFrame has been restored to its 30a

state which will generally have the initial press of the TAB key select

the first item of interest on a given CPRS TAB (the first consult, note,

report, etc.).

Patch Components

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Files & Fields Associated:

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

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

N/A

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

OR CONV INPT QO TO CLIN RUN ROUTINE MODIFIED

ORD QO

OR SUPPLY NF CONVERSION RUN ROUTINE NEW

OR SUPPLY UTIL MENU MENU NEW

ORCM MGMT MENU MODIFIED

Parameters Associated:

Parameter Name New/Modified/Deleted

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N/A

Protocols Associated:

Protocol Name New/Modified/Deleted

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

N/A

Remote Procedure Calls Associated:

Remote Procedure Call Name New/Modified/Deleted

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ORWPCE4 LEX Modified

Security Keys Associated:

Security Key Name

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N/A

Templates Associated:

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

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N/A

New Service Requests (NSRs)

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N/A

Patient Safety Issues (PSIs)

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N/A

Defect Trackiing System Ticket(s) & Overview

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1. I5957404FY16 Group Notes package not saving all of Encounter data

Problem:

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Certain procedure codes (99078, 90853, H0005) that are selected from

the search results are not saving to PCE correctly when completing a Group

Notes encounter. As a result these encounters were flagged as incomplete

on the ACTION REQUIRED status report.

Resolution:

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There is a bug in the ORWPCE4 LEX RPC that incorrectly renders the

procedure code and returns an empty code in the return results. This has

been corrected so that the appropriate procedure codes are returned to

Group Notes and saved to PCE correctly.

2. I8043301FY16 PATCH OR\*3\*389 POST INSTALL ITEMS

Problem:

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Since the introduction of Earliest Appropriate Date (EAD) in CPRS GUI v28,

prosthetics quick orders have been stuffed with a default response/value

for the EAD field when using the quick order editor. This was discovered

by a site during their review of the CONSULT/PROCEDURE QOs EARLIEST

APPROPRIATE DATE DEFAULT VALUE report generated during the installation of

OR\*3.0\*389 which assists in the review of consult quick orders in advance

of the change from EAD to Clinically Indicated Date (CID) in CPRS GUI

v30.b.

Resolution:

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When creating/editing quick orders, the EAD/CID prompt is already being

filtered out if the consult service is a prosthetics service. Now, the

default value for this prompt will also be filtered out when the consult

service is a prosthetics service.

Order dialog GMRCOR CONSULT, sequence 4.5 OR GTX EARLIEST DATE

Before OR\*3.0\*423

DEFAULT: S Y=$$GET^XPAR("PKG","ORCDGMRC EARLIEST DATE DEFAULT",1,"Q")

After OR\*3.0\*423

DEFAULT:

DEFAULT: Q:'$G(ORSERV) S:$G(^GMR(123.5,ORSERV,"INT"))'=1

Y=$$GET^XPAR("DIV^SYS^PKG","ORCDGMRC CLIN IND DATE DEFAULT",1,"Q")

3. Problem:

Three new reports were added to CPRS on the Labs Tab and Reports Tab

with the installation of Patch OR\*3.0\*350 or CPRS Version 30b. Those

reports are the Lab Overview (Collected Specimens), Pending Lab Orders

and Lab Orders (All). It has been reported that not all orders are being

displayed. The problem is that the orders are being pulled from the

database using the Order Date/Time rather than the Collection Date/Time.

Since the Order Date/Time can be very different from the actual Collection

Date/Time, some of the orders appear to be missing from the display

because the Order Date/Time doesn't fall within the date range selected

by the user.

There was also a problem where Lab orders that had been merged in the

lab files were showing up twice on the reports.

Another problem was identified where purged Lab orders were missing on

the reports for date ranges that went back before the last date of purge.

Another problem was reported with the format of lab results for completed

orders when the test name is longer than 25 characters. This caused the

display of the results to run together making it difficult to read the

report. This has been corrected to use the Lab Print Name when the

Test name is longer than 25 characters.

Resolution:

The fix for this problem is to use the Collection Date/Time rather than the

Order Date/Time when pulling data from the database.

The extract routine for these reports has been re-written to properly handle

merged orders and purged orders.

4. Problem:

The down arrow for the Collection Date/Time field in the diagnostic test

section of the Blood Bank order dialog on the orders Tab is disappearing

after a Diagnostic test is selected for Lab Collect.

Resolution:

This has been corrected so the down arrow does not disappear.

5. Problem:

The All Medications Report on the Reports Tab gets an Undefined error when

the link between CPRS and Pharmacy is missing.

Resolution:

The code that creates the ALL MEDICATIONS report has been changed so that

the missing reference between CPRS and Pharmacy will not cause the report

to error out.

6. Problem:

When viewing the Results History for Lab Results on the ORDERS TAB, some

formatting issues have been corrected. In addition, a problem has been

corrected where missing lines/results in the display was occuring when

the test name and length of the result was longer than 7 characters.

7. Problem:

A provider reported that the Pending Lab orders lab info from Patient A

appeared on Patient B's lab tab info. This occurred when the provider

viewed lab data on the Labs Tab for Patient A and then viewed Patient B's

lab data via a View Alert.

Resolution:

This has been resolved by clearing out the previous patients lab data

on the screen before showing the current patients information.

Other unnecessary information, like date range selection and grid

display has been removed from the screen that shows the previous

patient's lab results when processing a different patient's lab alert.

Test Sites:

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Documentation and Software Retrieval:

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

http://www.domain/vdl.

Patch Installation:

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Pre/Post Installation Overview

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This patch contains an environment check that warns the installer that

GMRCOR CONSULT entry in the ORDER DIALOG (#101.41) file will be

overwritten. The installer will be required to answer if it is ok to

proceed with the installation or abort.

Pre-Installation Instructions

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Prior to installation, the IT installer must discuss with site personnel

the fact that the consult order dialog GMRCOR CONSULT will be overwritten

during the patch install. The site may have local modifications to this

order dialog that will need to be backed up prior to installation and

re-applied shortly thereafter.

Installation Instructions

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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 1 minute

to install.

1. Choose the PackMan message containing this patch.

2. Choose the INSTALL/CHECK MESSAGE PackMan option.

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\*423.

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

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\*423.

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

NO//' Answer 'NO'

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

and Protocols? NO//' Answer 'NO'

Post-Installation Instructions

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Patch installers should monitor MailMan and confirm receipt of the PATCH

OR\*3.0\*423 ORDER INDEX CORRECTION STATUS message. If the message text

indicates success, no further action is needed. If the message indicates

the task experienced an issue, investigate the issue as needed and when

ready, restart the task as indicated in the message text.

Routine Information:

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

;;3.0;ORDER ENTRY/RESULTS REPORTING;\*\*[Patch List]\*\*;Dec 17, 1997;Build 18

The checksums below are new checksums, and

can be checked with CHECK1^XTSUMBLD.

Routine Name: ORB3F1

Before: B10770422 After: B26126334 \*\*9,74,139,190,220,423\*\*

Routine Name: ORB3SPEC

Before: B93913902 After: B95914098 \*\*139,220,215,280,348,423\*\*

Routine Name: ORCMEDT9

Before: B48472878 After: B52002206 \*\*389,423\*\*

Routine Name: ORCSAVE

Before: B98204455 After: B99645257 \*\*7,56,70,73,92,94,116,141,163,

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

306,286,269,423\*\*

Routine Name: ORCXPND1

Before: B97571749 After: B99799009 \*\*26,67,75,89,92,94,148,159,

188,172,215,243,280,340,306,

350,423\*\*

Routine Name: ORDV02B

Before: B40982123 After: B32191615 \*\*350,423\*\*

Routine Name: ORDV02C

Before: B22064710 After: B17566177 \*\*350,423\*\*

Routine Name: ORDV02D

Before: n/a After: B33524231 \*\*423\*\*

Routine Name: ORQOR2

Before: B14557366 After: B16133259 \*\*6,32,92,122,144,190,251,350,423\*\*

Routine Name: ORSPUTIL

Before: n/a After: B5339128 \*\*423\*\*

Routine Name: ORWDXM1

Before:B106096775 After:B106857204 \*\*10,85,131,132,141,178,185,

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

423\*\*

Routine Name: ORWOR2

Before: B39008801 After: B33533980 \*\*141,350,423\*\*

Routine Name: ORWPCE4

Before: B22821566 After: B23255140 \*\*10,85,116,173,190,195,215,

243,295,280,306,361,350,423\*\*

Routine Name: ORY423

Before: n/a After: B29308775 \*\*423\*\*

Routine Name: ORY4230

Before: n/a After: B15650295 \*\*423\*\*

Routine Name: ORY42301

Before: n/a After: B71295993 \*\*423\*\*

Routine Name: ORY42302

Before: n/a After: B78839911 \*\*423\*\*

Routine Name: ORY42303

Before: n/a After: B82195528 \*\*423\*\*

Routine Name: ORY42304

Before: n/a After: B57396163 \*\*423\*\*

Routine Name: ORY42305

Before: n/a After: B65132619 \*\*423\*\*

Routine Name: ORY42306

Before: n/a After: B64186028 \*\*423\*\*

Routine Name: ORY42307

Before: n/a After: B43427611 \*\*423\*\*

Routine Name: ORY4231

Before: n/a After: B40549530 \*\*423\*\*

Routine Name: ORY4232

Before: n/a After: B26766770 \*\*423\*\*

Routine Name: ORY4233

Before: n/a After: B12996402 \*\*423\*\*

Routine Name: ORY4234

Before: n/a After: B13526302 \*\*423\*\*

Routine Name: ORY423A

Before: n/a After: B9027788 \*\*423\*\*

Routine Name: ORY423E

Before: n/a After: B3271209 \*\*423\*\*

Routine Name: ORY423ES

Before: n/a After: B12635175 \*\*423\*\*

Routine list of preceding patches: 269, 348, 350, 389