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Run Date: SEP 12, 2016 Designation: DVBA\*2.7\*193

Package : DVBA - AUTOMATED MED INFO EXCHANGE Priority: Mandatory

Version : 2.7 Status: Under Development

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Associated patches: (v)DVBA\*2.7\*192<<= must be installed BEFORE `DVBA\*2.7\*193'

Subject: CAPRI - ENHANCEMENTS

Category:

- Routine

- Data Dictionary

- Other

- Enhancement (Mandatory)

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**!!!IMPORTANT NOTICE!!!:**

**!!!File 396.3 MUST BE BACKED UP PRIOR TO THE CONVERSION!!!**

**This patch includes a conversion of the REQUEST STATUS field (#17) field in the 2507 REQUEST file (#396.3) file from a set of code to a pointer to file 3507 STATUS file (#396.33).  The conversion routine included in the post-init will overwrite the existing data in this set of codes field with a new value pointing to file 3507 STATUS file (#396.33).  If this patch needs to be withdrawn for any reason after it has been installed, the original 2507 REQUEST file will need to be restored from backups.  PLEASE NOTE:  The conversion routine can be rerun if it is halted prior to completion.  A restoration from backups would be required only in the event of the withdrawal of this patch.**

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Description:

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I. OVERVIEW

This patch, DVBA\*2.7\*193, and CAPRI GUI v193 provide enhancements for Re-routing C&P Exam Requests. Exam Requests that were inadvertently routed to the wrong site will now be able to be re-routed to the correct site. This patch also includes a capability to keep the list of active C&P clinics current and upto date be allowing new ones to be added an others to be marked inactive. New routing request statuses have been created and AMIE and CAPRI reports have been updated to handle the new statues. Changes are being made to AMIE package files, and fields to support the CAPRI GUI. There is also a conversion routine that converts the Request Status field from a set of codes to a pointer to a file.

Note: Some AMIE files are being changed to accommodate functional

changes to the CAPRI GUI. However, the functionality of

corresponding AMIE options has not been updated to mirror

changes to the GUI.

II. ASSOCIATED REMEDY TICKETS & NEW SERVICE REQUESTS

1. INC000001009153 CAPRI - Authorized Patient: (RA)

2. INC000001022409 CAPRI - Other: 2507 e-mails erroneous (RA)

3. INC000001259707 CAPRI - Other: (RA)

4. INC000001074734 CAPRI - DBQs/Worksheets: (RA)

5. INC000001288683 CAPRI - Other: clinical documents search issue (RA)

6. INC000001299596 CAPRI - Other: 2507s not closing out correctly (RA

7. I6587267FY16 CAPRI: patching the provider signature function (RA)

8. I8233197FY16 CAPRI freezing)

9. I9000823FY16 CAPRI - cannot close exams on one patient

III. FUNCTIONAL OVERVIEW

The following is an overview of the changes and primary functionality

that will be delivered in CAPRI GUI v193 and this VistA patch

(DVBA\*2.7\*193).

1. The following Remedy tickets are being addressed:
2. INC000001009153 CAPRI - Authorized Patient: (RA)

Problem:

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This particular issue happens because the low internal entry number (ien) of the

the patient in the PATIENT file (example 719). This becomes problematic

during a call to retrieve the patients exam requests because it passes the ien

and looks for PARTIAL matches. Because of this it returns all requests and tries

to return all the requests for every patient ien that contains 719. Assuming

there 719,000 patients it tries to return exams for ien 719000-719999.

Resolution:

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This is controlled by the "NUMBER" property for the FMExamRequestLister1

component which is currently "\*". The “\*” tells the FILEMAN call to retrieve

every match. If I change it to 250, it only pulls back the first 250 matches

(2507 exam requests) and allows the form to display (not stuck processing

100,000 records). Similar FILEMAN calls set a limit of 250 so that is my

proposed value.

1. INC000001022409 CAPRI - Other: 2507 e-mails erroneous (RA)

Problem:

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CAPRI sends Outlook notification e-mails to end users notifying them when a

2507 is released, individual exams are released, or exams are cancelled.

Users have identified an issue where in the right circumstances, some exams

on a 2507 can be cancelled, other exams on the same 2507 can be

completed/released, and the only e-mail the end users receives is a message

stating that all exams on the 2507 are cancelled. This is an erroneous and

misleading e-mail.

Resolution:

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When a mix of canceled or completed exams lead to the release of a 2507

request, the email will reflect that both actions led to the release.

1. INC000001259707 CAPRI - Other: (RA)

Problem:

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When signing off on CAPRI templates and selecting a "TITLE", if there are two

options that have matching text then CAPRI can potentially select the incorrect

TIU DOCUMENT DEFINITION when creating the TIU DOCUMENT.

Resolution:

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Change the matching process so that it no longer allows partial matching and

fully evaluates the entire name of the "TITLE" being selected.

Routine(s)

1. INC000001074734 CAPRI - DBQs/Worksheets: (RA)

Problem:

--------

While in a 2507 Request, users are able to add a duplicate/existing exam type on

the same 2507 Request if the preceding 2507 Exam is no longer open even though

two of the same exam types on a single 2507 Exam is not supposed to be allowed.

Resolution:

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Filter out existing exam types on that 2507 Request when presenting the user exam

type options when they are adding additional exams to that 2507 Request.

1. INC000001288683 CAPRI - Other: clinical documents search issue (RA)

Problem:

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The issue occurs because regardless of the report criteria selected (Date Range,

# Records, All) the code unconditionally passes the last selected “max number”

value to the Remote procedure code - 'TIU DOCUMENTS BY CONTEXT' which

restricts the number of returned records regardless of the report format specified.

Resolution:

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Only restrict the number of records if that criteria is selected when running the

report

1. INC000001299596 CAPRI - Other: 2507s not closing out correctly (RA)

Problem:

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If a user cancels the only exam on a request and then exits the "View C&P Exam" for

form by clicking the "X" in the upper right hand corner rather than utilizing the

"Close Window" button the code to update the 2507 record is not executed and the

status is not updated.

Resolution:

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Remove the ability to click the "X" and force the user to close the form/window

using the available "Close Window".

1. I6587267FY16 CAPRI: patching the provider signature function (RA)

Problem:

--------

When signing off on a CAPRI template and linking it to a 2507 Exam, CAPRI fails to

populate the CAPRI TEMPLATE ID field ((#1) in the 2507 EXAM file (#396.4).

Resolution:

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Add logic so that when the 2507 EXAM record is being updated, it also updates the

CAPRI TEMPLATE ID field ((#1).

1. I8233197FY16 CAPRI freezing

Problem:

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When signing off on a CAPRI template if the main form is pushed off the screen,when

the "Virtual VA" transmission form is displayed it is displayed at the center of

the form that is currently pushed off the screen and since that is the active

screen and the user is unable to manipulate it (click buttons etc) it gives the

impression that CAPRI has frozen.

Resolution:

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Rather than displaying the "Virtual VA" transmission form in the center of the main

form, it will display in the middle of the screen so the user will always be able

to respond and complete the signature process.

1. I9000823FY16 CAPRI - cannot close exams on one patient

Problem:

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While opening the "Manage C&P Request" form for a patient, the application

makes a call to retrieve all partial matches by patient for all 2507 requests using

the patient internal entry number. This could potentially lead to thousands of

irrelevant records being returned which also causes CAPRI to freeze while processing

the extra records.

Resolution:

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Rather than pulling all partial matches the number of results will be limited to 250 which should be more than enough to pull in all related results.

*2*. The following defects that were reported directly to the CAPRI

development team are being addressed.

a. None

*3.* The following enhancements that were requested by Veterans Health

Administration Veterans Affairs Central Office (DNS ACO) and the

Veterans Benefits Administration (VBA) are being addressed:

Note: The following contain enhancements that modify both CAPRI

and AMIE software.

1. Route/Re-route requests to any active C&P facility within the VA so that the request does not have to be cancelled and re-initiated. Display exam request processing for Re-routing options in the GUI on the C&P Exam Screen. For an exam request that has already been re-routed to another facility/site the option to re-route will be disabled as an existing re-routed request cannot be re-routed. The re-routing option will display the following items:

(1) Destination Facility/Site (Required)

(2) Re-routing Reason (Required)

(3) Free text field of 250 characters for further explanation

1. Route/Re-route request to a facility or site option is not limited by existing VistA instances and the option to select facilities/sites within other regions and VistA instances exist.
2. Route/Re-route request the system displays re-routing reason options that can be selected as follows:
   1. INCORRECT JURISDICTION
   2. VETERAN IS AN EMPLOYEE
   3. VETERAN REQUEST/PREFERENCE
   4. OTHER
3. Re-route reason options (Veteran is an employee, incorrect jurisdiction, Veteran request/preference, and other)are editable at the National level by central office personnel which include a new option being added that will allow users the ability to add/inactivate/activate the list of reasons within the exam cancellation window.
4. Re-route request completion and notification provided to original sender with the following details:
   1. Identifier (e.g., Data File Number [DFN]) that can be used for accessing the patient record on the original routing VistA instance.
   2. Identifier (e.g., DFN) that can be used for accessing the patient record on the re-routed VistA instance.
   3. Re-route destination: VistA instance (facility/site)
   4. Drop down reason for re-route.
   5. Free text description of re-route.
   6. A list of the exams on the exam request.
5. Re-route – display request processing for Reject Re-routing option titled “Reject” on the C&P Exams screen that will enable the system to reject the exam request at the request level to another facility/site. A free text field of 250 characters will display when this option is selected. Once all text is entered the system will process the rejection and notify the facility that re-routed the request. The rejection will included the following details:
   1. Identifier (e.g., DFN) that can be utilized for accessing the patient record on the original routing VistA instance.
   2. Identifier (e.g., DFN) that can be utilized for accessing the patient record on the VistA instance that rejected the re-route request (if applicable).
   3. Free text description of the reject reason.
   4. A list of the exams on the exam request.
6. For patient records that do not existed within the re-routed VistA instance, patient information contained in the original routed recorded will be created at the re-routed VistA instance.
7. Information pertaining to the exam request will be maintained on all VistA instances that the request has been routed. The routing information will include the following:
   1. Exam request status
   2. Routing information
   3. Identifiers that can be used for accessing the patient record information.
8. The request status will be maintained. The exam request statuses will include existing exam request statuses and new statuses to represent the following:
   1. If an exam has been re-routed, the below statuses are possible on the instance from where (Sending Facility) the request was re-routed.
      * Re-Routed – Pending Acceptance
      * Re-Routed – Accepted
      * Re-Routed - Rejected
   2. If an exam has been re-routed, the below statuses are possible on the instance to which (Destination Facility) the request was re-routed.
      * New - Re-Routed
      * Re-Routed – Pending Acceptance (After a nightly job runs, this is the updated status)
      * PENDING REPORTED (If the site Accepts the Re-Routed request)
      * Re-Routed – Rejected
   3. The re-routing information will be maintained and will include the following:
      * Facility/Site information indicating to where the request has been re-routed (if applicable)
      * Facility/Site information indicating from where the request was re-routed (if applicable)
      * Drop down reason for re-route (if applicable).
      * Free text description of re-route or rejection (if applicable).
      * Date information:
   4. If an exam has been re-routed, the following dates will be stored as applicable on the instance from which (Sending Facility) the request was re-routed.
      * Date Re-Routed Out
      * Date Re-Route Accepted
      * Date Re-Route Rejected
   5. If an exam has been re-routed, the following dates will be stored as applicable on the instance to which (Destination Facility) the request was re-routed.
      * Date Re-Routed In (Create Date/Time)
      * Date Re-Route Accepted
      * Date Re-Route Rejected
9. CAPRI GUI Reports – The following CAPRI reports and filters will display the additional statuses:
   1. Pending C&P Exams report – has a status report filter on the GUI
   2. Request Status by Date Range report – has a status report filter on the GUI.
   3. C&P Exams Tab>Status Inquiry screen, the Reports tab displays the details of the C&P Exam Detail report. The field named Status of request will need to display all new statuses when applicable.
   4. Pending C&P Exams – Report detail in both txt and csv will need to include displaying all new statuses when applicable.
   5. Exam Request by Date Range - Report detail in both txt and csv will need to include displaying all new statuses when applicable.
   6. Request Status by Date Range - Report detail in both txt and csv will need to include displaying all new statuses when applicable.
10. AMIE Reports – The following AMIE Reports and filters will display the additional statuses:

AMIE C&P Reports Menu

* 1. Manual Printing of New C&P Requests
  2. Pending C&P Exams Report
  3. Reprint C&P Final Report

AMIE Regional Office Reports Menu

1. Print C&P Final Report (Manual)
2. Reprint C&P Final Report
3. Pending C&P Exams Report
4. New fields added in the Standard Data Dictionary #396.34 for the 2507 Re-Route Exam Request process to support informatics reporting in the CDW.
5. Newly added routing locations to VistA will default to inactive in CAPRI and an option to manually activate the routing locations will be added to the edit exam list parameters- MAS.
6. DoD tab disabled within CAPRI.
7. Correct GUI and VistA patch versions are correct and backwards compatibility exists for Patch 193 GUI with VistA Patch 192.
8. The CAPRI GUI has the ability to determine if a Re-Route is possible at the destination site prior to Re-Routing.
9. Notification and Tracking when a Re-Routed 2507 Exam Request is rejected. Changes have been made to CAPRI to send notification email messages to the original facility of a Re-routed 2507 exam request when the exam request is rejected. The name of the email group is DVBA C 2507 REROUTE.

4. New Security Keys

DVBA CAPRI REROUTEREASON

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5. File Changes

STANDARD DATA DICTIONARY #396.34 -- REROUTE DATE/TIME SUB-FILE

SEP 6,2016@13:40:01

STORED IN ^DVB(396.3,D0,6, SITE: CORFEX.DNS ALBANY AXP/KIDS UCI:

DEVFEX,DEVFEX

DATA NAME GLOBAL DATA

ELEMENT TITLE LOCATION TYPE

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

This sub file contains information about the sites where the original requestwas placed.

CROSS REFERENCED BY: REROUTE DATE/TIME(B)

396.34,.01 REROUTE DATE/TIME 0;1 DATE

(Required)

INPUT TRANSFORM: S %DT="ETR" D ^%DT S X=Y K:Y<1 X

LAST EDITED: APR 11, 2016

HELP-PROMPT: Enter the date/time of this reroute

request

DESCRIPTION: This field contains the date/time of

reroute request

CROSS-REFERENCE: 396.34^B

1)= S^DVB(396.3,DA(1),6,"B",$E(X,1,30),DA)=""

2)= K^DVB(396.3,DA(1),6,"B",$E(X,1,30),DA)

396.34,.02 REROUTE TO SITE 0;7 POINTER TO INSTITUTION FILE (#4) (Required)

LAST EDITED: APR 11, 2016

HELP-PROMPT: Enter site where request is going to

DESCRIPTION: This field contains the site where the

original was reroute to

396.34,1 REROUTE REQUEST IEN 0;2 NUMBER

(Required)

INPUT TRANSFORM: K:+X'=X!(X>9999999)!(X<0)!(X?.E1"."1N.N) X

LAST EDITED: APR 11, 2016

HELP-PROMPT: Enter request ien from rerouting site,

must be a number between 0 and 9999999.

DESCRIPTION: This field contains the IEN from the

rerouting site for file 396.3

396.34,2 REROUTE PATIENT IEN 0;3 NUMBER

(Required)

INPUT TRANSFORM:K:+X'=X!(X>999999999)!(X<0)!(X?.E1"."1.N)X

LAST EDITED: APR 12, 2016

HELP-PROMPT: Type a number between 0 and 999999999, 0

decimal digits.

DESCRIPTION: This field contains the IEN from the

rerouting site for file 2

396.34,3 REROUTE FROM SITE 0;4 POINTER TO INSTITUTION FILE (#4)

(Required)

LAST EDITED: APR 07, 2016

HELP-PROMPT: Enter site where request is coming from

DESCRIPTION: This field contains the site where the

original request was placed

396.34,4 REROUTE REASON 0;5 POINTER TO 2507 REROUTE CODE

FILE (#39 6.55) (Required)

LAST EDITED: AUG 03, 2016

HELP-PROMPT: Enter the reason for requoting this request

DESCRIPTION: This field contains the reason code for

this reroute request

396.34,5 REROUTE DESCRIPTION 0;6 FREE TEXT

INPUT TRANSFORM: K:$L(X)>200!($L(X)<3) X

LAST EDITED: AUG 03, 2016

HELP-PROMPT: Answer must be 3-200 characters in length.

DESCRIPTION: This field contains the reason for this reroute

request

396.34,6 REROUTE STATUS DATA/TIME 1;0 DATE Multiple #396.341

(Add New Entry without Asking)

DESCRIPTION: This multiple tracks the statuses of reroute

request

396.341,.01 REROUTE STATUS DATA/TIME 0;1 DATE (Required)

INPUT TRANSFORM: S %DT="ETR" D ^%DT S X=Y K:Y<1 X

LAST EDITED: APR 07, 2016

HELP-PROMPT: Enter date/time for this reroute status

DESCRIPTION: This field contains the date/time for

the status

CROSS-REFERENCE: 396.341^B

1)= S ^DVB(396.3,DA(2),6,DA(1),1,"B",$E(X,1,30),DA)=""

2)= K ^DVB(396.3,DA(2),6,DA(1),1,"B",$E(X,1,30) ,DA)

396.341,1 REROUTE STATUS CODE 0;2 SET

(Required)

'N' FOR NEW;

'A' FOR ACCEPTED;

'R' FOR REJECTED;

LAST EDITED: APR 07, 2016

HELP-PROMPT: Enter status of this reroute request

DESCRIPTION:

This field contains the status for this

request

396.341,2 REROUTE REJECTION REASON 1;1 FREE TEXT

INPUT TRANSFORM:K:$L(X)>250!($L(X)<5) X

LAST EDITED: APR 12, 2016

HELP-PROMPT: Answer must be 5-250 characters in length.

DESCRIPTION: This field contains the rejection reason

STANDARD DATA DICTIONARY #396.55 -- 2507 REROUTE CODE FILE

AUG 1,2016@09:38:44

STORED IN ^DVB(396.55, (4 ENTRIES) SITE: CORFEX.DNS ALBANY AXP/KIDS

UCI: DEVFEX,DEVFEX

DATA NAME GLOBAL DATA

ELEMENT TITLE LOCATION TYPE

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

Codes for rerouting the 2507 Request

DD ACCESS: @

RD ACCESS: @

WR ACCESS: @

DEL ACCESS: @

LAYGO ACCESS: @

AUDIT ACCESS: @

CROSS REFERENCED BY: REROUTE CODE(B)

CREATED ON: JUL 27,2016 by FEASTER,ANTHONY

396.55,.01 REROUTE CODE 0;1 FREE TEXT (Required)

INPUT TRANSFORM: K:$L(X)>30!($L(X)<3)!'(X'?1P.E) X

LAST EDITED: JUL 27, 2016

HELP-PROMPT: Answer must be 3-30 characters in length.

DESCRIPTION: Reason for rerouting the 2507 Request to

another VCMA site.

CROSS-REFERENCE: 396.55^B

1)= S ^DVB(396.55,"B",$E(X,1,30),DA)=""

2)= K ^DVB(396.55,"B",$E(X,1,30),DA)

396.55,.02 STATUS 0;2 SET (Required)

'A' FOR Active;

'I' FOR Inactive;

LAST EDITED: AUG 01, 2016

HELP-PROMPT: Select 'A' if the status is active or 'I'

if the status is inactive

DESCRIPTION: This field will determine if the Reroute

Reason is active or inactive.

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Patch: DVBA\*2.7\*193 2507 Request File for the CAPRI Phase 2 Upgrade

STANDARD DATA DICTIONARY #396.34 -- REROUTE SITE

SUB-FILE APR 11,2016@16:43:09

STORED IN ^DVB(396.3,D0,6, SITE: CORFEX.DNS ALBANY AXP/KIDS UCI:

DEVFEX,DEVFEX

DATA NAME GLOBAL DATA

ELEMENT TITLE LOCATION TYPE

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

This sub file contains the sites where the original request was placed.

CROSS REFERENCED BY: REROUTE FROM SITE(B)

396.34,.01 REROUTE FROM SITE 0;1 POINTER TO INSTITUTION FILE(#4)

(Required)

LAST EDITED: APR 11, 2016

HELP-PROMPT: Enter site where request is coming from

DESCRIPTION: This field contains the site where the

original request was placed

CROSS-REFERENCE: 396.34^B

1)= S ^DVB(396.3,DA(1),6,"B",$E(X,1,30),DA)=""

2)= K

^DVB(396.3,DA(1),6,"B",$E(X,1,30),DA)

396.34,.02 REROUTE TO SITE 0;2 POINTER TO INSTITUTION FILE (#4) (Required)

LAST EDITED: APR 11, 2016

HELP-PROMPT: Enter site where request is going to

DESCRIPTION: This field contains the site where the

original was reroute to

396.34,1 REROUTE REQUEST IEN 0;3 NUMBER (Required)

INPUT TRANSFORM: K:+X'=X!(X>9999999)!(X<0)!(X?.E1"."1N.N) X

LAST EDITED: APR 11, 2016

HELP-PROMPT: Enter request IEN from rerouting site,

must be a number between 0 and 9999999.

DESCRIPTION: This field contains the IEN from the

rerouting site for file 396.3

396.34,2 REROUTE PATIENT IEN 0;4 NUMBER (Required)

INPUT TRANSFORM: K:+X'=X!(X>999999)!(X<0)!(X?.E1"."1N.N) X

LAST EDITED: APR 11, 2016

HELP-PROMPT: Enter the Patient IEN from rerouting

site, must be a number between 0 and

9999999.

DESCRIPTION: This field contains the IEN from the

rerouting site for file 2

396.34,3 REROUTE DATE/TIME 0;5 DATE (Required)

INPUT TRANSFORM: S %DT="ETR" D ^%DT S X=Y K:Y<1 X

LAST EDITED: APR 07, 2016

HELP-PROMPT: Enter the date/time of this reroute

request

DESCRIPTION: This field contains the date/time of

reroute request

396.34,4 REROUTE CODE 0;6 SET (Required)

'I' FOR INCORRECT JURISDICTION;

'E' FOR VETERAN IS AN EMPLOYEE;

'V' FOR VETERAN REQUEST/PREFERENCE;

'O' FOR OTHER;

LAST EDITED: APR 07, 2016

HELP-PROMPT: Enter the reason for requoting this

request

DESCRIPTION: This field contains the reason code for

this reroute request

396.34,5 REROUTE REASON 0;7 FREE TEXT

INPUT TRANSFORM: K:$L(X)>200!($L(X)<3) X

LAST EDITED: APR 07, 2016

HELP-PROMPT: Answer must be 3-200 characters in length.

DESCRIPTION: This field contains the reason for this

reroute request

396.34,6 REROUTE STATUS DATA/TIME 1;0 DATE Multiple #396.341

(Add New Entry without Asking)

DESCRIPTION: This multiple tracks the statuses of

reroute request

396.341,.01 REROUTE STATUS DATA/TIME 0;1 DATE (Required)

INPUT TRANSFORM: S %DT="ETR" D ^%DT S X=Y K:Y<1 X

LAST EDITED: APR 07, 2016

HELP-PROMPT: Enter date/time for this reroute status

DESCRIPTION: This field contains the date/time for

the status

CROSS-REFERENCE: 396.341^B

1)= S

^DVB(396.3,DA(2),6,DA(1),1,"B",$E(X,1,30) ,DA)=""

2)= K

^DVB(396.3,DA(2),6,DA(1),1,"B",$E(X,1,30) ,DA)

396.341,1 REROUTE STATUS CODE 0;2 SET (Required)

'N' FOR NEW;

'A' FOR ACCEPT;

'R' FOR REJECT;

LAST EDITED: APR 07, 2016

HELP-PROMPT: Enter status of this reroute request

DESCRIPTION: This field contains the status for this

request

396.341,2 REROUTE REJECTION REASON 1;1 FREE TEXT (Required)

INPUT TRANSFORM:K:$L(X)>250!($L(X)<5) X

LAST EDITED: APR 07, 2016

HELP-PROMPT: Answer must be 5-250 characters in length.

DESCRIPTION: This field contains the rejection

reason

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E N D O F F I L E C H A N G E S

6. New/Modified Remote Procedures -

a. New

DVBA CAPRI GET DIV COMMENT

DVBA CAPRI GET DIV EXAM

DVBA CAPRI GET DIVISION

DVBA CAPRI GET EXAM IEN

DVBA CAPRI GET REROUTE

DVBA CAPRI GET REROUTE CODE

DVBA CAPRI GETCANCELREASON

DVBA CAPRI REROUTE INFO

DVBA CAPRI REROUTE STATUS

DVBA CAPRI REROUTE VAMC

DVBA CAPRI SEND REROUTE

DVBA CAPRI REROUTE VAMC

7. New/Modified Routines -

a. New

DVBACRVA.INT

b. Modified

DVBAB2.INT

DVBAB5.INT

DVBAB6.INT

DVBABEBD.INT

DVBCADEX.INT

DVBCCHKR.INT

DVBAB82.INT

DVBCIUTL.INT

DVBCHLR.INT

DVBCHSO.INT

DVBCPND1.INT

DVBCREQP.INT

DVBCROPN.INT

DVBCTRN1.INT

DVBCULT5.INT

DVBCULT8.INT

DVBARSBD.INT

8. New/Modified Options

DVBA CAPRI GUI

IV. TECHNICAL COMPONENTS

The following section describes the technical components being

exported with this patch.

UP SEND DATA USER

DATE SEC. COMES OVER RSLV

FILE # FILE NAME DD CODE W/FILE RIDE PTRS

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

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

1. The following Routines are being added/modified:

a. Modify: DVBAB6

This routine has been modified to add RE-ROUTE SITE, RE-ROUTE DATE AND

RE-ROUTE ROUTING LOCATION

b. Modify: DVBCIUTL

This routine has been modified to add a Routing Status conversion process

Using the internal IEN to return the descriptive version of the RE-ROUTE

Statuses to the CAPRI reports. The new Re-Route statuses will be refrenced via

File Pointer, the descriptive Status will be displayed on the reports.

c. Modify: DVBABEBD

This routine has been modified to add the new Re-Route statuses

(RE-ROUTE SITE, RE-ROUTE DATE AND RE-ROUTE ROUTING LOCATION) to the

CAPRI GUI, "Exam Request By Date Range Report".

d. Modify: DVBARSBD

This routine has been modified to add the new Re-Route statuses

(RE-ROUTE SITE, RE-ROUTE DATE AND RE-ROUTE ROUTING LOCATION) to the

CAPRI GUI, "Exam Request By Date Range Report". Add new fields to report to display the new re-routed status information including re-route

date, re-route-to-site, re-route-from-site

e. Modify: DVBCULT8

This routine has been modified to add the new Re-Route statuses

(RE-ROUTE SITE, RE-ROUTE DATE AND RE-ROUTE ROUTING LOCATION) to the

CAPRI GUI reports

f. Modify: DVBCHLR

1. Modify: DVBCHS0

h. Modify: **DVBCPND1**

i. Modify: **DVBCREQP**

j. Modify: **DVBCROPN**

k. Modify: **DVBCTRN1**

l. Modify: **DVBCULT5**

m. Modify: **DVBCADEX**

n. Modify: **DVBCCHKR**

o.Modify: **DVBAB2**

p.Modify: **DVBAB5**

q.Modify: **DVBAB70**

The above routines (F)thru(Q) have been modified, adding Routing Status conversion functionalityprocess Using the internal IEN to return the descriptive version of the RE-ROUTE Statuses to the CAPRI reports. The new Re-Route statuses will be refrenced via File Pointer,the descriptive Status will be displayed on the reports.

V. SOFTWARE AND DOCUMENTATION RETRIEVAL

1. VistA Patch DVBA\*2.7\*193

a. The VistA server software is being distributed as a PackMan

patch message through the National Patch Module (NPM). The KIDS

build for this patch is DVBA\*2.7\*193.

2. CAPRI GUI v193 Client Software & User Documentation

a. The CAPRI GUI v193 client software is being distributed as an

executable CAPRI.exe ([DVBA\_27\_P193\_01.ZIP]). The installed

executable for this patch is client version 192.02 with a size

of 16.0 MB.

The CAPRI GUI v193 client software and documentation for this

patch may be retrieved directly using FTP. The preferred method

is to FTP the files from:download.vista.med.DNS

This transmits the files from the first available FTP server.

Sites may also elect to retrieve software directly from a

specific server as follows:

OI&T FIELD OFFICE FTP ADDRESS DIRECTORY

Albany ftp.DNS .med.DNS [anonymous.software]

Hines ftp.DNS .med.DNS [anonymous.software]

Salt Lake City ftp.DNS .med.DNS [anonymous.software]

The following files will be available:

File Name Contents Retrieval format

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DVBA\_27\_P193\_01.ZIP File(s) indented below:

BINARY

- CAPRI.exe CAPRI v192 executable

- VACAPRIVVA.dll Virtual VA dynamically linked library

- CAPRI\_Help.chm CAPRI On-line Help

- CAPRI.map CAPRI error map

- CAPRISession.r2w Reflections session configuration

- ssh\_config Secure Shell configuration

- CAPRI\_GUI\_ISG.doc CAPRI GUI Installation Supplemental Guide

- Libeay32.dll VLER /DAS dynamically linked library

- Ssleay32.dll VLER /DAS dynamically linked library

- QPDF.exe Support PDF compression and Linearization

- QPDF13.dll Support PDF compression and Linearization

- LIBGCC\_S\_DW2-1.dll Support PDF compression and Linearization

- LIBSTDC++-6.dll Support PDF compression and Linearization

DVBA\_27\_P193\_RN.PDF Patch Release Notes BINARY

DVBA\_27\_P193\_UM.PDF Updated CAPRI User Manual BINARY

The VistA Documentation Library (VDL) web site will also contain

the 'Release Notes' and updated 'CAPRI User Manual'. This web site

is usually updated within 1-3 days of the patch release date.

The VDL web address for CAPRI user documentation is:

http://www.DNS /vdl/application.asp?appid=133

VI. INSTALLATION REQUIREMENTS/NOTES:

1. Users on the System

1. This patch (DVBA\*2.7\*193) should be installed during a non-peak time. And the CAPRI GUI (i.e. DVBA\_27\_193.exe) should be deployed in the same window or in advance of the VistA patch. The CAPRI GUI is backward compatible with the CAPRI VistA 192 patch.
2. The CAPRI GUI is CAPRI.exe contained in DVBA\_27\_P193\_01.ZIP). Please refer to the CAPRI\_GUI\_ISG.doc document within the DVBA\_27\_P193\_01.zip file for supplemental installation instructions regarding the installation of the following files:

VACAPRIVVA.dll Virtual VA dynamically linked library

CAPRI\_Help.chm CAPRI On-line Help

CAPRI.map CAPRI error map

CAPRISession.r2w Reflections session configuration

ssh\_config Secure Shell configuration

Libeay32.dll VLER /DAS dynamically linked library

Ssleay32.dll VLER /DAS dynamically linked library

QPDF.exe Support PDF compression and

Linearization

QPDF13.dll Support PDF compression and

Linearization

LIBGCC\_S\_DW2-1.dll Support PDF compression and

Linearization

LIBSTDC++-6.dll Support PDF compression and

Linearization

c. This patch modifies routines used by the CAPRI GUI application

and the Automated Medical Information Exchange (AMIE) package.

It should be installed during non-peak hours to minimize

disruption to users and to reduce the possibility of errors when

the routines are updated.

2. VistA Options

a. The following VistA options should be disabled while installing

this patch: NONE.

3. Software Installation Time

1. The estimated installation time for VistA patch DVBA\*2.7\*193 is dependent on the amount of Exam Request data contained in the VistA instance. This information will be updated based on installation tests to be performed in SQA and IOC environments.

4. Required Builds

a. The following is a list of REQUIRED builds for this KIDS

distribution (DVBA\*2.7\*193). KIDS will not allow the

installation of this patch without their prior installation.

Required Builds:

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DVBA\*2.7\*192

VII. INSTALLATION INSTRUCTIONS:

1. Use the INSTALL/CHECK MESSAGE option on the PackMan menu to unload

the KIDS distribution included with this message.

2. From the 'Kernel Installation & Distribution System' menu, select

the Installation menu.

3. From this menu, you may now elect to use the following options

(when prompted for INSTALL NAME, enter DVBA\*2.7\*193).

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

message of any routines exported with the patch. It will NOT

backup any changes such as DDs or templates.

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

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

is installed. It compares all components of the patch

(routines, DDs, templates, etc.).

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

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

transport global.

d. Print Transport Global - this option will allow you to view the

components of the KIDS build.

4. Use the Install Package(s) option and select package DVBA\*2.7\*193.

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

Install? NO//', respond NO.

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

NO//', it is recommended you answer NO.

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

Protocols? NO//', respond NO.

8. If CAPRI GUI users have not already been upgraded to the new

version of the CAPRI GUI v193 (CAPRI.exe [DVBA\_27\_P193\_01.ZIP]),

they should be upgraded as soon as possible upon installation of

this patch.

VIII. TEST SITES

The following sites are participating in the testing of the CAPRI GUI v193

and DVBA\*2.7\*193 server software.

Test Sites:

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\*Puget Sound

\*Greater LA

\*Denver

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User Information:

Entered By : Egli,Gary Date Entered : SEP 12, 2016

Completed By: Date Completed:

Released By : Date Released :

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