"LA\*5.2\*88" IN BUILD FILE:DESCRIPTION OF ENHANCEMENTS MAR 16,2016 PAGE 1

Associated Patches: (v)LA\*5.2\*80 <<= must be installed BEFORE `LA\*5.2\*88'

(v)LA\*5.2\*84 <<= must be installed BEFORE `LA\*5.2\*88'

(v)LA\*5.2\*85 <<= must be installed BEFORE `LA\*5.2\*88'

Subject: AUTOVERIFICATION

Category: ROUTINE

ENHANCEMENT

DATA DICTIONARY

Description:

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The build for this patch is distributed as part of a multi-package build that

contains LR\*5.2\*458 and LA\*5.2\*88. This contains functionality to enable Auto

Verification and Auto Release of lab normal lab results and was initially

developed at the Kansas City VAMC. This new process involves automatic review

and release of test results based on a lab-established set of boundaries, also

referred as rules, rule sets, and algorithms. Lab results that are in a

"normal" range, as pre-determined by the laboratory, will transmit directly

from the middleware to VistA lab files and on to Computerized Patient Record

System (CPRS) without the intermediate step of requiring a lab technologist to

manually review and sign off on these normal lab results. This process will

eliminate the need for a qualified technologist to manually approve all

"normal" results before those results are filed in VistA Lab files and

available for clinicians to view in CPRS.

Each VAMC site will determine which instruments will use this functionality as

it can set up on an instrument by instrument basis. Essentially VistA Lab

instruments are set up as either being available for auto verification or not

available for auto verification. If an instrument is set up for auto

verification, then a lab result passing the rule set will be filed by the

middleware in VistA lab files and available in CPRS and a lab result that

cannot pass the rule set will be held in the middleware system for review by a

lab technologist.

In support of this auto verification and auto release functionality, this patch

will add two new application proxy users. LRLAB AUTO RELEASE is used to

indicate that the results in VistA Lab were released by an automated Lab

process without human interventions. LRLAB, AUTO VERIFY is used to indicate

that the results were "approved" by an automated process using a rules based

system.

Patch Components

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Files & Fields Associated:

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

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AUTO INSTRUMENT (#62.4) AUTO RELEASE (#99) New

LA7 MESSAGE LOG BULLETINS (#62.485)

Parameter Definitions Associated:

Parameter Definition Name New/Modified/Deleted

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LA UI AUTO RELEASE MASTER New LA UI PROVIDER CONTACT INFO

New

The following are new entries new entry in the file LA7 MESSAGE LOG BULLETINS

(#62.485):

CODE: 301 TEXT: Msg #|1|, User |2| [DUZ: |3|] does not own the LRVERIFY

security key. Auto Release not allowed for accession UID |4|. SEND ALERT: YES

CODE: 302 TEXT: Msg #|1|, User |2| [DUZ: |3|] is not an active user on the

system. Auto Release not allowed for accession UID |4|. SEND ALERT: YES

CODE: 303 TEXT: Msg #|1|, No verifying user or application proxy found. Auto

Release not allowed for accession UID |2|. SEND ALERT: YES

CODE: 304 TEXT: Msg #|1|, User |2| [DUZ: |3|] is not a valid user to verify

results. Auto Release not allowed for accession UID |4|. SEND ALERT: YES

CODE: 305 TEXT: Msg #|1|, User |2| [DUZ: |3|] is not allowed to verify. Only

auto verification enabled for this instrument. Auto Release not allowed for

accession UID |4|. SEND ALERT: YES

CODE: 306 TEXT: Msg #|1|, User |2| [DUZ: |3|] is not allowed to verify. Only

tech verification enabled for this instrument. Auto Release not allowed for

accession UID |4|. SEND ALERT: YES

CODE: 307

TEXT: Msg #|1|, Auto Release not allowed for accession UID |2|. Results have

previously been released. SEND ALERT: YES

New Service Requests (NSRs):

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NSR# 20131009: Employ laboratory autoverification in the Veterans Health

Administration.

Test Sites:

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Kansas City VAMC (Alpha) Tucson (Beta) Tampa (Beta) Iowa City (Beta) Fresno

(Beta)

Software and Documentation Retrieval Information

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VistA Laboratory patch LR\*5.2\*458 software is distributed by Host File, along

with LA\*5.2\*88. Software is available on the ANONYMOUS.SOFTWARE directory at

one of the following Office of Information (OI) Field Offices. The preferred

is to retrieve the file using Secure File Transfer Protocol (SFTP) from

download.vista.domain.ext, which transmits files from the first available FTP

server. Sites may also select to retrieve documentation directly from a

specific server as follows:

Albany ftp.ftpserver.domain.ext

Hines ftp.ftpserve.domain.ext

Salt Lake City ftp.ftpsrv.domain.ext

File Name Contents Retrieval Format

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LAB\_AUTORELEASE\_1\_0.KID Host File containing ASCII

KIDS software distribution

Lab UI HL V1.6 Upgrade Installation Updated Binary And User Guide

Patch LA\*5.2\*66

Lab UI HL V1.6 Upgrade Interface Updated Binary Specifications

Document Patch LA\*5.2\*66

LR\_52\_458\_LA\_52\_88 Release Notes Patch Release Notes Binary

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

'Lab UI HL V1.6 Upgrade Installation and User Guide Patch LA\*5.2\*66', 'Lab UI

HL V1.6 Upgrade Interface Specifications Document Patch LA\*5.2\*66' and

LR\_52\_458\_LA\_52\_88 Release Notes. This web site is usually updated within 1-3

days of the patch release date. The VDL web address for Laboratory Universal

Interface user documentation is:

http://www.domain/vdl/application.asp?appid=120

Installation Instructions

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This patch, LA\*5.2\*88, is part of a combined build for Laboratory

Autoverification.

Please refer to patch LR\*5.2\*458 for installation instructions.

Routine Information:

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The second line of each of these routines now looks like: ;;5.2;AUTOMATED LAB

INSTRUMENTS;\*\*[Patch List]\*\*;Sep 27, 1994;Build 6

The checksums below are new checksums, and

can be checked with CHECK1^XTSUMBLD.

Routine Name: LA7UCFG

Before: B4239468 After: B137316017 \*\*66,88\*\* Routine Name: LA7UCFG1

Before: n/a After: B29526912 \*\*88\*\* Routine Name: LA7UIO1

Before: B66837499 After: B75417661 \*\*66,74,88\*\* Routine Name: LA7UTILB

Before: B12063183 After: B23365722 \*\*74,88\*\* Routine Name: LA7VHL

Before: B32679919 After: B34933144 \*\*27,46,62,64,67,74,88\*\* Routine

Name: LA7VHLU8

Before: B10483894 After: 54853900 \*\*74,88\*\* Routine Name: LA7VHLU9

Before: B19044226 After: B33364706 \*\*68,74,88\*\* Routine Name: LA7VIN

Before: B29668237 After: B31997123 \*\*46,67,74,88\*\* Routine Name: LA7VIN1

Before: B53484134 After: B59376205 \*\*46,64,74,88\*\* Routine Name: LA7VIN2

Before: B44814406 After: B46992282 \*\*46,64,74,88\*\* Routine Name:

LA7VIN2A

Before: B32994528 After: B34119950 \*\*74,88\*\* Routine Name: LA7VIN4

Before: B77376354 After: B81120393 \*\*46,64,67,66,74,85,88\*\* Routine

Name: LA7VIN4A

Before: B19473776 After: B22773812 \*\*74,80,88\*\* Routine Name: LA7VIN5

Before: B69080940 After: B84396228 \*\*46,64,68,74,84,88\*\* Routine Name:

LA7VIN5A

Before: B32697215 After: B34198601 \*\*46,64,67,72,66,74,88\*\* Routine

Name: LA7VORC

Before: B18625097 After: B22779822 \*\*46,64,68,88\*\* Routine Name: LA88

Before: n/a After: B37005513 \*\*88\*\* Routine Name: LA88A

Before: n/a After: B100793409 \*\*88\*\*

Routine list of preceding patches: 80, 84, 85