



RESOURCE AND PATIENT MANAGEMENT SYSTEM

# Laboratory Reference

(LR)

## Addendum to User Manual

Version 5.2 Patch 1054  
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## 1.0 Introduction

This document lists various additions/changes to the RPMS Lab package that were brought about by IHS Lab Patch LR\*5.2\*1054.

This guide provides IHS Laboratorians with descriptions of the changes and/or enhancements and other information.

## 2.0 LABORATORY TEST FILE INACTIVATION DATE

The new INACTIVATION DATE field has been added to the Laboratory Test (#60) file. The added field will mark a laboratory test as Inactivated if a date was added to the field to inactivate the laboratory test.

Once a test has been marked as inactive, it cannot be selected for ordering using the Multipurpose accessioning in the RPMS Lab Package or from an Electronic Health Record lab menu.

### 2.1 BLR INACTIVATE TEST Option

The new option BLR INACTIVATE TEST has been created that will call the new BLRINACD routine that will allow a user with the **LRSUPER Security Key** the ability to mark a laboratory test as inactive.

It can be accessed from the BLR menu option named ‘Set Laboratory Test Inactivation Date’ with the short name “INAC”.

The ‘Set Laboratory Test Inactivation Date’ option was also added to the new IHS BLRMENU V2 under the Useful Lab Options–USEF menu option (see Section 4.3).

The BLRINACD routine will store the selected inactivation date into the new LABORATORY TEST (#60) file's INACTIVATION DATE field and update the SITE NOTES multiple with the date/time of the change as well as the DUZ of the user making the change. It will also change the TYPE of the test to OUTPUT so that it cannot be selected in the Electronic Health Record lab menu or available when using the RPMS Lab Package menu option Multipurpose accessioning.

#### 2.1.1 ‘Set Laboratory Test Inactivation Date’ option added to BLRMENU

Review the ‘Set Laboratory Test Inactivation Date’ option on the BLR menu.

Access the Laboratory Menu and then the BLR Menu.

```
Laboratory DHCP Menu Option
```

```

1      Phlebotomy menu ...
2      Accessioning menu ...
3      Process data in lab menu ...
4      Quality control menu ...
5      Results menu ...
6      Information-help menu ...
7      Ward lab menu ...
10     Microbiology menu ...
11     Supervisor menu ...
BLR  IHS Lab Main Support Menu ...

```

```
Select Laboratory DHCP Menu Option: BLR  IHS Lab Main Support Menu
```

```

LS      Link Transaction Processor Status
INQ     Inquire into the IHS LAB Transaction Log
PC43    Will restart the label routine if turned off.
RSN     Requeue by Sequence Number
RST     Requeue Transaction by Sort Template
CPT     Enter/edit IHS Lab CPT File
FAL     Find ALL PCC Link Errors from Lab
STP     Stop/restart Lab to PCC Transaction Processor
BB      Blood bank ...
BGFR    Create Bedside Schwartz eGFR Delta Check
CACC    IHS Count accessioned tests
CANR    IHS Lab Cancelled Report
CCCD    Create Creatinine Clearance Delta Check
CDVC    Edit BLR COLL DT PCC VISIT CREATION Parameter
CGFR    Create CKD-EPI Equation Delta Check
CLR     Clear BLR errors from error log
E60     Edit Laboratory Test File (#60) CH ONLY
EAPE    Edit BLR EMERGENCY ALERT Parameter
EMGP    Edit LAB HIGH URGENCY NOTIFICATION Mail Group
ERRT    Error Trap Reporting
F60I    LAB TEST FILE ENTRIES WITH INACTIVATION DATE
GFRC    Create 2021 CKD-EPI eGFR Delta Check
        Press 'RETURN' to continue, '^' to stop:
IHSM    RPMS Lab Microbiology Report
ILUM    IHS LOINC/UCUM MENU ...
INAC  Set Laboratory Test Inactivation Date
LABT    Determine if Required RPMS Lab Options Tasked
LRAS    Accession IHS Lab Microbiology Report
LROS    Order/test status by Order Number
LTRR    Laboratory Test (#60) File's Reference Ranges ...
LVP     RPMS Lab Version & Patch Report
MACC    Mark Multiple Accessions as Not Performed
MILO    Micro Interim Report by Location
MMR     Lab Description Abbreviation Report
ORDO    'Open Lab Orders' Reports ...
PAMG    Edit RPMS Lab Parameters and/or Mail Groups ...
PDOC    Patient Reminder Document
POCA    Edit BLR AGE DETAIL Parameter
RBE     Clear ALL BLR Errors from Error Log
REFL    Reference Lab Main Menu ...
REPL    Replace Lab Order/Test Status Report ...
SF60    IHS Search File 60
SHDR    State Health Dept Report
TCCR    Test Creatinine Clearance Logic
        Press 'RETURN' to continue, '^' to stop:
TGFR    Test CKD-EPI Equation Logic
        Count Accessioned Tests Using Lab Data File ...

Select IHS Lab Main Support Menu Option:

```

Figure 2-1: 'Set laboratory Test Inactivation Date' option on the BLRMENU



## 2.2 Using the ‘Set Laboratory Test Inactivation Date’ option

Determine which laboratory test file entries need to be deactivated, once the laboratory tests are added to the new ‘Set Laboratory Test Inactivation Date’ option, those laboratory tests cannot be ordered from the Electronic Health Record lab menu or the RPMS Multipurpose accessioning option.

### 2.2.1 Add a LABORATORY TEST to deactivate

Access the ‘Set Laboratory Test Inactivation Date’ option and type the laboratory test to deactivate:

```

INAC   Set Laboratory Test Inactivation Date
LABT    Determine if Required RPMS Lab Options Tasked
LRAS    Accession IHS Lab Microbiology Report
LROS    Order/test status by Order Number

Select IHS Lab Main Support Menu Option: INAC  Set Laboratory Test Inactivation Date

                                DEMO HOSPITAL
Date:01/18/24                    LABORATORY TEST (#60) File                Time:2:24 PM
                                INACTIVATION DATE                        BLRINACD
-----

Select LABORATORY TEST: Select LABORATORY TEST: ZZCMP
  1  ZZCMP  ZZSQL CMP
  2  ZZCMP. ZZCMP
CHOOSE 1-2: 2

```

Figure 2-2: Add the laboratory test to deactivate

### 2.2.2 Enter a DATE to deactivate the laboratory test

The date to add can be from today’s date to last year’s date. For example, a date between 1/18/2023 to 1/18/2024 can be entered for the deactivation date.

Notice the TYPE was changed to OUTPUT when adding the deactivation date.

```

                                DEMO HOSPITAL
Date:01/18/24                    LABORATORY TEST (#60) File                Time:2:48 PM
                                INACTIVATION DATE                        BLRINACD
                                Modify Test ZZCMP [2000543]
-----

INACTIVATION DATE:  (1/18/2023 - 1/18/2024): 01012024

ZZCMP INACTIVATION DATE changed to JAN 01, 2024

Test ZZCMP TYPE changed to OUTPUT (CAN BE DISPLAYED)

Press RETURN Key:

```

Figure 2-3: Enter a date to deactivate the laboratory test

Once the date is entered, the laboratory test's INACTIVATION DATE field will be updated and a new SITE NOTES entry will be entered showing the DUZ of the user who entered the INACTIVATION DATE.

## 2.3 File 60 TEST 'Set Laboratory Test Inactivation Date' entries

Review laboratory tests in the FILEMAN-LABORATORY TEST file (#60) that have been inactivated using the 'Set Laboratory Test Inactivation Date' option (see Section 2.2).

Access FILEMAN and use the INQUIRE option. Select the LABORATORY TEST file (#60) and type the laboratory test name that was deactivated.

For each deactivated laboratory test, review the added entries for the TYPE and INACTIVATION DATE fields, and the SITE NOTES entry.

```

VA FileMan 22.0

Select OPTION: INQUIRE TO FILE ENTRIES

OUTPUT FROM WHAT FILE: LABORATORY TEST//
Select LABORATORY TEST NAME: ZZCMP
ANOTHER ONE:
STANDARD CAPTIONED OUTPUT? Yes// (Yes)
Include COMPUTED fields: (N/Y/R/B): NO// - No record number (IEN), no
Computed
Fields
DISPLAY AUDIT TRAIL? No// NO

LABTEST IEN: 2000543 NAME: ZZCMP
TYPE: OUTPUT (CAN BE DISPLAYED)
SUBSCRIPT: CHEM, HEM, TOX, SER, RIA, ETC.
UNIQUE ACCESSION #: YES
LAB COLLECTION SAMPLE: SERUM (SST) HIGHEST URGENCY ALLOWED: STAT
REQUIRED TEST: YES REQUIRED COMMENT: ORDER COMMENT
COMBINE TEST DURING ORDER: YES PRINT NAME: ZZCMP.
INACTIVATION DATE: JUN 15, 2023
NUMBER: 1 LAB TEST: _LPRH Sodium
NUMBER: 2 LAB TEST: _LPRH Potassium
NUMBER: 3 LAB TEST: _LPRH Chloride
NUMBER: 4 LAB TEST: _LPRH CO2
NUMBER: 5 LAB TEST: _LPRH Anion Gap
NUMBER: 6 LAB TEST: _LPRH Glucose
NUMBER: 7 LAB TEST: _LPRH BUN
NUMBER: 8 LAB TEST: _LPRH Creatinine
NUMBER: 9 LAB TEST: _LPRH BUN/Creat
NUMBER: 10 LAB TEST: _LPRH Calc. Osmolality
NUMBER: 11 LAB TEST: _LPRH Ionized Calcium
NUMBER: 12 LAB TEST: _LPRH Total Protein
NUMBER: 13 LAB TEST: _LPRH Albumin
NUMBER: 14 LAB TEST: _LPRH Globulin
NUMBER: 15 LAB TEST: _LPRH A/G Ratio
NUMBER: 16 LAB TEST: _LPRH Calcium
NUMBER: 17 LAB TEST: _LPRH Total Bilirubin

```

```

NUMBER: 18                LAB TEST:  _LPRH Alk. Phosphatase
NUMBER: 19                LAB TEST:  _LPRH AST
NUMBER: 20                LAB TEST:  _LPRH ALT
NUMBER: 21                LAB TEST:  _eGFR
COLLECTION SAMPLE: SERUM (SST)    MIN VOL (in mls.): 3
INSTITUTION: DEMO HOSPITAL        ACCESSION AREA: CHEMISTRY LPRH
SITE NOTES DATE: JUN 07, 2010
NOTE:  Add test/panels to those performed at LPRH.
SITE NOTES DATE: JUN 15, 2023@09:59:20
NOTE:  INACTIVATION DATE 06/15/2023 BY DUZ=2859.

```

Figure 2-4: Test's File 60–‘Set Laboratory Test Inactivation Date’ entries

## 2.4 ‘Lab Test File Entries with Inactivation Date’ REPORT

A report for the ‘Set Laboratory Test Inactivation Date’ option is available for the laboratory tests within the Laboratory Test (#60) file that have an inactivation date (see Section 2.3).

To access the report, the ‘LAB TEST FILE ENTRIES WITH INACTIVATION DATE’ option was added to the BLR menu with the short name ‘F60I’.

The ‘LAB TEST FILE ENTRIES WITH INACTIVATION DATE’ option was also added to the new IHS BLRMENU V2 under the Useful Lab Options–USEF menu option (see Section 4.3).

### 2.4.1 Using the INACTIVATION DATE Report

Access the Laboratory Menu and then the BLR Menu.

Select the ‘LAB TEST FILE ENTRIES WITH INACTIVATION DATE’ option from the BLR menu to display the report:

```

Laboratory DHCP Menu Option

1   Phlebotomy menu ...
2   Accessioning menu ...
3   Process data in lab menu ...
4   Quality control menu ...
5   Results menu ...
6   Information-help menu ...
7   Ward lab menu ...
10  Microbiology menu ...
11  Supervisor menu ...
BLR  IHS Lab Main Support Menu ...

Select Laboratory DHCP Menu Option: BLR  IHS Lab Main Support Menu

LS   Link Transaction Processor Status
INQ  Inquire into the IHS LAB Transaction Log
PC43 Will restart the PC43 label routine if turned off.
ERRT Error Trap Reporting

```

```

F60I LAB TEST FILE ENTRIES WITH INACTIVATION DATE
GFRG Create 2021 CKD-EPI eGFR Delta Check
      Press 'RETURN' to continue, '^' to stop: ^

Select IHS Lab Main Support Menu Option: F60I LAB TEST FILE ENTRIES WITH
INACTIVATION DATE
      LAB TEST FILE ENTRIES WITH INACTIVATION DATE
      DEMO HOSPITAL
Date:01/18/24 LABORATORY TEST (#60) File Time:6:18 PM
      Tests With Inactivation Date BLRF60ID
-----
One Header Line ONLY? NO//
    
```

Figure 2-5: Using the INACTIVATION DATE report

## 2.4.2 The INACTIVATION DATE Report EXAMPLE

The ‘Tests With Inactivation Date’ REPORT will display the IEN of the deactivated laboratory test and the Name, print ‘Yes’ for a panel test, and the Inactivate Date.

```

                                DEMO HOSPITAL
Date:09/26/23                    LABORATORY TEST (#60) File           Page 1
Time:7:15 AM                      Tests With Inactivation Date       BLRF60ID

  IEN      NAME                                PANEL      INACT DATE
-----
  173      CREATININE (NKDF)                    06/26/2023
 2000382   ZZPSA,TOTAL                                05/30/2023
 2000543   ZZCMP                                       YES        06/15/2023
 2000839   ZZSQLCMP                                    YES        06/12/2023
 2000967   ZZA1C -OIT                                  04/25/2023
 2001394   GLUCOSE POCT                                08/28/2023
 2001456   EST GFR                                      06/26/2023
 2001530   NEW LAB TEST KR                             09/08/2023
 2001531   CREATININE+ eGFR (NKDF) PANEL              YES        06/26/2023
 2001648   NEW TEST2                                    09/08/2023
 9999758   GLUCOSE (CCDA)                              08/28/2023

 3,536 LABORATORY TEST FILE entries analyzed.

      11 LABORATORY TEST FILE entries with Inactivation Date.

Press RETURN Key:
    
```

Figure 2-6: INACTIVATION DATE Report example

### 3.0 IHS Lab Cancelled Report

The new 'IHS Lab Cancelled Report' will call the new BLRCANCP routine that will display the entries in the LAB ACCESSION (#68) file that have been canceled within a given date range.

To generate the report, the 'IHS Lab Cancelled Report' option was added to the BLR menu with the short name "CANR".

The 'IHS Lab Cancelled Report' option was also added to the new IHS BLRMENU V2 under the IHS Lab Reports Menu Option-REPT (see Section 4.4).

### 3.1 Printing the 'IHS Lab Cancelled Report' REPORT

Access the Laboratory Menu and then the BLR Menu. The 'IHS Lab Cancelled Report' will print the cancelled date, UID, comments for cancellation marked as 'Not Performed Message', and the user that performed the cancellation.

Select the 'IHS Lab Cancelled Report' option from the BLR menu to print the report to a Device.

```
Laboratory DHCP Menu Option
1      Phlebotomy menu ...
2      Accessioning menu ...
3      Process data in lab menu ...
4      Quality control menu ...
5      Results menu ...
6      Information-help menu ...
7      Ward lab menu ...
10     Microbiology menu ...
11     Supervisor menu ...
BLR  IHS Lab Main Support Menu ...
Select Laboratory DHCP Menu Option: BLR  IHS Lab Main Support Menu

LS     Link Transaction Processor Status
INQ    Inquire into the IHS LAB Transaction Log
PC43   Will restart the PC43 label routine if turned off.
RSN    Requeue by Sequence Number
RST    Requeue Transaction by Sort Template
CPT    Enter/edit IHS Lab CPT File
FAL    Find ALL PCC Link Errors from Lab
STP    Stop/restart Lab to PCC Transaction Processor
BB     Blood bank ...
BGFR   Create Bedside Schwartz eGFR Delta Check
CACC   IHS Count accessioned tests
CANR IHS Lab Cancelled Report
CCCD   Create Creatinine Clearance Delta Check ^

Select IHS Lab Main Support Menu Option: CANR  IHS Lab Cancelled Report

DEMO HOSPITAL
```

```

Date:06/20/23          Accession (#68) File          Time:9:19 AM
                        Not Performed Tests          BLRCANRP
-----
Start with Date: TODAY// JAN 01, 2023    <- select start date
Go back to   Date TODAY// Jun 20, 2023  <- select an end date

                        DEMO HOSPITAL
Date:06/20/23          Accession (#68) File          Time:9:19 AM
                        Not Performed Tests          BLRCANRP
                        Date Range:01/01/23 thru 06/20/23
-----
Compilation Begins                      138
Compilation Complete.

      138 Accessions analyzed.

      NOT PERFORMED entries detected.

Press RETURN Key:

                        DEMO HOSPITAL
Date:06/20/23          Accession (#68) File          Time:9:19 AM
                        Not Performed Tests          BLRCANRP
                        Date Range:01/01/23 thru 06/20/23
-----
DEVICE: HOME//   Virtual
    
```

Figure 3-1: Printing the 'IHS Lab Cancelled Report' report

### 3.1.1 The IHS Lab Cancelled Report report EXAMPLE

```

                        DEMO HOSPITAL
Date:06/20/23          Accession (#68) File          Page 1
Time:9:19 AM          Not Performed Tests          BLRCANRP
                        Date Range:01/01/23 thru 06/20/23

Complete          ===== File 200 =====
Date      UID      IEN      Name      Not Performed Message
-----
01/27/23  1023000013  2859  Demo, Tech  *CREATININE LAB PROG TEST Not
Performed: 01/27/2023 6:57 am by
2859 *NP Reason:TESTING DELETE *EST
GFR 2021 V8 Not Performed:
01/27/2023 9:23 am by 2859 *NP
Reason:TESTING DELETE
01/27/23  1023000020  2859  Demo, Tech  *EST GFR 2021 V8 Not Performed:
01/27/2023 9:21 am by 2859 *NP
Reason:TESTING DELETE *CREATININE
LAB PROG TEST Not Performed:
01/27/2023 9:21 am by 2859 *NP
Reason:TESTING DELETE

Enter RETURN to continue or '^' to exit:
    
```

Complete	UID	IEN	Name	Not Performed Message
DEMO HOSPITAL Accession (#68) File Not Performed Tests Date Range:01/01/23 thru 06/20/23				
Page 2 BLRCANRP				
==== File 200 =====				
01/27/23	1023000020	2859	Demo, Tech	*EST GFR 2021 V8 Not Performed: 01/27/2023 9:21 am by 2859 *NP Reason:TESTING DELETE *CREATININE LAB PROG TEST Not Performed: 01/27/2023 9:21 am by 2859 *NP Reason:TESTING DELETE
01/27/23	1023000013	2859	Demo, Tech	*CREATININE LAB PROG TEST Not Performed: 01/27/2023 6:57 am by 2859 *NP Reason:TESTING DELETE *EST GFR 2021 V8 Not Performed: 01/27/2023 9:23 am by 2859 *NP Reason:TESTING DELETE
4 Tests with Not Performed Messages.				
Press RETURN K				

Figure 3-2: IHS Lab Cancelled Report Example

## 4.0 IHS LAB Main Support Menu Version 2

The IHS OIT Lab Team recognizes the cluttered complexity of the current IHS LAB Main Support Menu.

A new series of shorter, organized options has been created to help Lab Users navigate the numerous options available.

The new options will be added to the OPTION (#19) file during the post-install phase of the installation of LR\*5.2\*1054.

**Note:** Multiple menu options are restricted to users with the **LRSUPER Security Key** and, as such, will not appear to those users without the LRSUPER Security Key.

See Appendix A for the list of the Menu Options and Security Key.

### 4.1 BLRMENU V2 Option Installation–BLR2

The **BLR2** IHS Lab Main Support Menu option **must be manually added** to the desired menu by someone with the ability to add to menus at the site.

It is not added to any menu during the installation process.

Once the BLRMENU V2 option is added, all its sub-menus will be available.

#### 4.1.1 Adding BLRMENU V2 Menu Option to the Laboratory DHCP Menu

To add BLRMENU V2 to the LRMENU, use FILEMAN to Edit the LRMENU option.

```

VA FileMan 22.0

Select OPTION: ENTER OR EDIT FILE ENTRIES

INPUT TO WHAT FILE: ALERT TRACKING// 19   OPTION
EDIT WHICH FIELD: ALL// MENU
  1  MENU      (multiple)
  2  MENU TEXT
CHOOSE 1-2: 1  MENU      (multiple)
  EDIT WHICH MENU SUB-FIELD: ALL//
THEN EDIT FIELD:

Select OPTION NAME: LRMENU      Laboratory DHCP Menu
Select ITEM: IHS LOINC/UCUM MENU// BLRMENU V2
  1  BLRMENU V2      IHS Lab Main Support Menu
  2  BLRMENU V2 LOINC/UCUM  IHS Lab LOINC/UCUM Menu
  3  BLRMENU V2 REPORTS    IHS Lab Reports Menu
CHOOSE 1-3: 1  BLRMENU V2      IHS Lab Main Support Menu
Are you adding 'BLRMENU V2' as a new MENU (the 16TH for this OPTION)? No// YES
(Yes)

```



```

MENU SYNONYM: BLR2
SYNONYM: BLR2//
DISPLAY ORDER:
Select ITEM:

```

Figure 4-1: Adding new BLRMENU V2 to Laboratory DHCP Menu

## 4.2 IHS Lab Main Support Menu–BLR2

The main menu of the redesigned **BLR2** IHS Lab Main Support Menu will display as follows:

```

IHS Lab Main Support Menu

LS      Link Transaction Processor Status
STST    Stop/restart Lab to PCC Transaction Processor
LVP     RPMS Lab Version & Patch Report
LABT    Determine if Required RPMS Lab Options Tasked
DCL     DISPLAY BUILDING COLLECTION LIST
PC41    Will restart the label routine if turned off.
USEF    Useful Lab Options ...
REPT    IHS Lab Reports Menu ...
PARA    IHS Lab Parameters ...
ERRS    IHS Lab Errors Reports and Utilities ...
ILUM    IHS Lab LOINC/UCUM Menu ...
REFL    Reference Lab Main Menu ...

Select IHS Lab Main Support Menu Option:

```

Figure 4-2: BLR2 IHS Lab Main Support Menu

### 4.2.1 Link Transaction Processor Status–LS

Equivalent to the **LS** option on the BLRMENU.

### 4.2.2 Stop/restart Lab to PCC Transaction Processor–STST

Equivalent to the **STST** option on the BLRMENU.

### 4.2.3 RPMS Lab Version & Patch Report–LVP

Equivalent to the **LVP** option on the BLRMENU.

The RPMS Lab Version & Patch Report option can only be viewed and accessed by users with the Security Key LRSUPER.

### 4.2.4 Determine if Required RPMS Lab Options Tasked–LABT

Equivalent to the **LABT** option on the BLRMENU.

The 'Determine if Required RPMS Lab Options Tasked' option can only be viewed and accessed by users with the Security Key LRSUPER.

The following Lab Tasks are crucial for the functionality of the RPMS Lab Package. If they have not been tasked, or have been tasked incorrectly, issues will result.

LRTASK ROLLOVER

LRTASK NIGHTY

LA7TASK NIGHTY

BLRTASK LAB LOG CLEANUP

The display of the main Lab Tasks can be viewed by using the 'LABT Determine if Required RPMS Lab Options Tasked' menu option:

```

                                DEMO HOSPITAL
Date:02/07/24           Latest IHS Lab Patch: LR*5.2*1054           Time:8:51 AM
SCRNREPT           Latest IHS Lab Patch Install Date: 12/15/23 06:19           BLRTASKS
                   First Install Date for LR*5.2*1054: 09/29/23 12:05

                                LABORATORY TASKS
                                TODAY:02/07/2024

OPTION                TASK #      SCHDDATE      $$FMTE SCHDDATE      Sched
-----
BLRTASK LAB LOG CLEANUP 5683045    3240208.01    02/08/2024 1:00 AM      1D
LA7TASK NIGHTY         5682861    3240208.003   02/08/2024 12:30 AM      1D
LRTASK NIGHTY          5682764    3240208.0015  02/08/2024 12:15 AM      1D
LRTASK ROLLOVER        5682679    3240208.0001  02/08/2024 12:01 AM      1D

                                HLZTCP is running.

Press RETURN Key:

```

Figure 4-3: Determine if Required RPMS Lab Options Tasked menu

#### 4.2.4.1 LRTASK ROLLOVER TASK

The LRTASK ROLLOVER TASK is the ROLLOVER ACCESSION option. This task is used by TaskMan to roll forward unverified accessions.

If it has been scheduled to run prior to midnight, or not scheduled, or scheduled improperly, users will see the following message when logging onto the system after midnight:

ROLLOVER HAS NOT RUN. ACCESSIONING SHOULDN'T BE DONE NOW.

#### 4.2.4.2 LRTASK NIGHTY

The LRTASK NIGHTY task is the NIGHTLY CLEANUP option. This routine is run nightly by task-man to do some lab clean up. It cleans up a x-ref used by the LRTASK INTERIM option and updates workload counts for WKLD code reporting.

This option should be tasked right after midnight each day, and run only once a day.

The LRTASK NIGHTY should run after the LRTASK ROLLOVER.

#### 4.2.4.3 LA7TASK NIGHTY

The LA7TASK NIGHTY task is the Lab Messaging Nightly Cleanup option. This is a tasked option to check the integrity of LA7 MESSAGE QUEUE file (#62.49) and purge messages that are eligible for purging. It also purges the following files related to LEDI-SHIPING MANIFEST (#62.8), LAB SHIPPING EVENT (#62.85), and LAB PENDING ORDERS ENTRY (#69.6).

If it has not been scheduled, or scheduled improperly the files will not be purged and unnecessary disk space will be used.

The LA7TASK NIGHTY should run after the LRTASK NIGHTY.

#### 4.2.4.4 BLRTASK LAB LOG CLEANUP

The BLRTASK LAB LOG CLEANUP task is the Task the IHS LAB TRANS LOG CLEANUP EVERY NIGHT option. This task will cleanup entries in the IHS LAB TRANSACTION LOG along with the queue file, BLR MASTER CONTROL, used for processing the transactions based on the value of the GRACE PERIOD FOR ORDERS parameter in the LABORATORY SITE file. The default is 180 days if the GRACE PERIOD FOR ORDERS is not defined.

If it has not been scheduled, or scheduled improperly the files will not be purged and unnecessary disk space will be used.

The BLRTASK LAB LOG CLEANUP should run after the LA7TASK NIGHTY.

#### 4.2.5 DISPLAY BUILDING COLLECTION LIST-DCL

The DCL option will display the BUILDING COLLECTION LIST field from the LABORATORY SITE (#69.9) file.

The Display Building Collection List option can only be viewed and accessed by users with the Security Key LRSUPER.

#### 4.2.6 Will restart the label routine if turned off-PC41

Equivalent to the PC41 option on the BLRMENU.

**Note:** The abbreviated name of the lab label printer will vary for each IHS facility using the Intermec Lab Label Printer.

### 4.3 Useful Lab Menu Option–USEF

The **USEF** Useful Lab Options MENU will display as follows:

```

Useful Lab Options

SF60   IHS Search File 60
DATA   Add a new data name
E60    Edit Laboratory Test File (#60) CH ONLY
ECPT   Enter/edit IHS Lab CPT File
INQ    Inquire into the IHS LAB Transaction Log
LTRR   Laboratory Test (#60) File's Reference Ranges
INAC   Set Laboratory Test Inactivation Date
F60I   LAB TEST FILE ENTRIES WITH INACTIVATION DATE
MACC   Mark Multiple Accessions as Not Performed
LROS   Order/test status by Order Number
REPL   Replace Lab Order/Test Status ...
ORDO   'Open Lab Orders' Reports ...
PDOC   Patient Reminder Document

Select Useful Lab Options Option:
```

Figure 4-4: USEF Menu Option

#### 4.3.1 IHS Search File 60–SF60

Equivalent to the **SF60** option on the BLRMENU.

#### 4.3.2 Add a new data name–DATA

Equivalent to the **DATA** option on the Lab Liaison Menu.

The Add a New Data Name option can only be viewed and accessed by users with the Security Key LRLIASON.

#### 4.3.3 Edit Laboratory Test File (#60) CH ONLY–E60

Equivalent to the **E60** option on the BLRMENU.

#### 4.3.4 Enter/Edit IHS Lab CPT File–ECPT

Equivalent to the **CPT** option on the BLRMENU.

#### 4.3.5 Inquire into the IHS LAB Transaction Log–INQ

Equivalent to the **INQ** option on the BLRMENU.

#### 4.3.6 Laboratory Test (#60) File's Reference Ranges–LTRR

Equivalent to the **LTRR** option on the BLRMENU.

#### 4.3.7 Set Laboratory Test Inactivation Date-INAC

The **INAC** option was included in this LR\*5.2\*1054 RPMS Lab Patch.

See Section 2.1.1 in this document.

The Set Laboratory Test Inactivation Date option can only be viewed and accessed by users with the Security Key LRSUPER.

#### 4.3.8 Laboratory Test File Entries with Inactivation Date–F60I

The **F60I** option was included in this LR\*5.2\*1054 RPMS Lab Patch.

See Section 2.2 in this document.

#### 4.3.9 Mark Multiple Accessions as Not Performed–MACC

Equivalent to the **MACC** option on the BLRMENU.

The Mark Multiple Accessions as Not Performed option can only be viewed and accessed by users with the Security Key LRSUPER.

#### 4.3.10 Order/Test Status by Order Number–LROS

Equivalent to the **LROS** option on the BLRMENU.

#### 4.3.11 Replace Lab Order/Test Status Report–REPL

Equivalent to the **REPL** option on the BLRMENU.

The Replay Lab Order/Test Status Report option can only be viewed and accessed by users with the Security Key LRSUPER.

#### 4.3.12 'Open Lab Orders' Reports–ORDO

Equivalent to the **ORDO** option on the BLRMENU.

#### 4.3.13 Patient Reminder Document–PDOC

Equivalent to the **PDOC** option on the BLRMENU.

## 4.4 IHS Lab Reports Menu Option–REPT

The **REPT** ‘IHS Lab Reports Menu’ MENU will display as follows:

```

IHS Lab Reports Menu

SHDR  State Health Dept Report
CACC  IHS Count accessioned tests
CALD  Count Accessioned Tests Using Lab Data File ...
IHSM  IHS Lab Microbiology Report
MILO  Micro Interim Report by Location
MMR   Lab Description Abbreviation Report
CANR  IHS Lab Cancelled Report
BB    Blood bank ...

Select IHS Lab Reports Menu Option:

```

Figure 4-5: REPT IHS Lab Reports Menu Option

### 4.4.1 State Health Department Report–SHDR

Equivalent to the **SHDR** option on the BLRMENU.

The State Health Department Report option can only be viewed and accessed by users with the Security Key BLRSHDRC.

### 4.4.2 IHS Count Accessioned tests–CACC

Equivalent to the **CACC** option on the BLRMENU.

### 4.4.3 Count Accessioned Tests Using Lab Data File–CALD

Equivalent to the menu option on the BLRMENU.

The Count Accessioned Tests Using Lab Data File option can only be viewed and accessed by users with the Security Key LRSUPER.

### 4.4.4 RPMS Lab Microbiology Report–IHSM

Equivalent to the **IHSM** option on the BLRMENU.

### 4.4.5 Micro Interim Report by Location–MILO

Equivalent to the **MILO** option on the BLRMENU.

### 4.4.6 Lab Description Abbreviation Report–MMR

Equivalent to the **MMR** option on the BLRMENU.

#### 4.4.7 IHS Lab Cancelled Report–CANR

Equivalent to the **CANR** option on the BLRMENU.

The IHS Lab Cancelled Report option can only be viewed and accessed by users with the Security Key LRSUPER.

#### 4.4.8 Blood Bank Menu–BB

Equivalent to the **BB** MENU OPTION ‘Blood bank’ on the BLRMENU.

The Blood Bank Menu option can only be viewed and accessed by users with the Security Key LRBLOODBANK.

### 4.5 IHS Lab Parameters Menu Option–PARA

The **PARA** ‘IHS Lab Parameters’ MENU will display as follows:

```

IHS Lab Parameters

BGFR  Create Bedside Schwartz eGFR Delta Check
GFRC  Create 2021 CKD-EPI eGFR Delta Check
CCCD  Create Creatinine Clearance Delta Check
TCCR  Test Creatinine Clearance Logic
PAMG  Edit IHS Lab Parameters and/or Mail Groups ...
CDVC  Edit BLR COLL DT PCC VISIT CREATION Parameter
EAPE  Edit BLR EMERGENCY ALERT Parameter
EMGP  Edit LAB HIGH URGENCY NOTIFICATION Mail Group
POCA  Edit BLR AGE DETAIL Parameter

Select IHS Lab Parameters Option:

```

Figure 4-6: PARA IHS Lab Parameters Menu Option

#### 4.5.1 Create Bedside Schwartz eGFR Delta Check–BGFR

Equivalent to the **BGFR** option on the BLRMENU.

The Create Bedside Schwartz eGFR Delta Check option can only be viewed and accessed by users with the Security Key LRSUPER.

#### 4.5.2 Create 2021 CKD-EPI eGFR Delta Check–GFRC

Equivalent to the **GFRC** option on the BLRMENU.

The Create 2021 CKD-EPI eGFR Delta Check option can only be viewed and accessed by users with the Security Key LRSUPER.

#### 4.5.3 Create Creatinine Clearance Delta Check–CCCD

Equivalent to the **CCCD** option on the BLRMENU.

The Create Creatinine Clearance Delta Check option can only be viewed and accessed by users with the Security Key LRSUPER.

#### 4.5.4 Test Creatinine Clearance Logic–TCCR

Equivalent to the **TCCR** option on the BLRMENU.

The Test Creatinine Clearance Logic option can only be viewed and accessed by users with the Security Key LRSUPER.

#### 4.5.5 Edit IHS Lab Parameters and/or Mail Groups Menu–PAMG

Equivalent to the **PAMG** MENU OPTION ‘Edit IHS Lab Parameters and/or Mail Group’ on the BLRMENU.

The Edit IHS Lab Parameters and/or Mail Groups MENU OPTION can only be viewed and accessed by users with the Security Key LRSUPER.

#### 4.5.6 Edit BLR COLL DT PCC VISIT CREATION Parameter–CDVC

Equivalent to the **CDVC** option on the BLRMENU.

The Edit BLR COLL DT PCC Visit Creation Parameter option can only be viewed and accessed by users with the Security Key LRSUPER.

#### 4.5.7 Edit BLR EMERGENCY ALERT Parameter–EAPE

Equivalent to the **EAPE** option on the BLRMENU.

The Edit BLR Emergency Alert Parameter option can only be viewed and accessed by users with the Security Key LRSUPER.

#### 4.5.8 Edit LAB HIGH URGENCY NOTIFICATION Mail Group–EMGP

Equivalent to the **EMGP** option on the BLRMENU.

The Edit Lab High Urgency Notification Mail Group option can only be viewed and accessed by users with the Security Key LRSUPER.

#### 4.5.9 Edit BLR AGE DETAIL Parameter–POCA

Equivalent to the **POCA** option on the BLRMENU.



The Edit BLR Age Detail Parameter option can only be viewed and accessed by users with the Security Key LRSUPER.

## 4.6 IHS Lab Errors Reports and Utilities Menu Option–ERRS

The **ERRS** ‘IHS Lab Errors Reports and Utilities’ MENU will display as follows:

```

IHS Lab Errors Reports and Utilities

ERRT  Error Trap Reporting
RBE   Clear ALL BLR Errors from Error Log
FAL   Find ALL PCC Link Errors from Lab
CLR   Clear BLR errors from error log
F44D  File # 44 Duplicate Abbreviations Report
RST   Requeue Transaction by Sort Template
RSN   Requeue by Sequence Number

Select IHS Lab Errors Reports and Utilities Option:

```

Figure 4-7: ERRS IHS Lab Errors Reports and Utilities Menu Option

### 4.6.1 Error Trap Reporting–ERRT

Equivalent to the **ERRT** option on the BLRMENU.

The Error Trap Reporting option can only be viewed and accessed by users with the Security Key LRSUPER.

### 4.6.2 Clear ALL BLR Errors from Error Log–RBE

Equivalent to the **RBE** option on the BLRMENU.

The Clear All BLR Errors from Error Log option can only be viewed and accessed by users with the Security Key BLRZMGR.

### 4.6.3 Find ALL PCC Link Errors from Lab–FAL

Equivalent to the **FAL** option on the BLRMENU.

### 4.6.4 Clear BLR errors from error log–CLR

Equivalent to the **CLR** option on the BLRMENU.

The Clear BLR Errors from Error Log option can only be viewed and accessed by users with the Security Key BLRZMGR.

#### 4.6.5 File # 44 Duplicate Abbreviations Report–F44D

The **F44D** option was included in this LR\*5.2\*1054 RPMS Lab Patch.

The File #44 Duplicate Abbreviations Report option can only be viewed and accessed by users with the Security Key LRSUPER.

#### 4.6.6 Requeue Transaction by Sort Template–RST

Equivalent to the **RST** option on the BLRMENU.

#### 4.6.7 Requeue by Sequence Number–RSN

Equivalent to the **RSN** option on the BLRMENU.

### 4.7 IHS Lab LOINC/UCUM Menu Option–ILUM

The **ILUM** ‘IHS Lab LOINC/UCUM Menu’ MENU will display as follows:

```

IHS Lab LOINC/UCUM Menu

UCON  IHS UCUM VERIFICATION
URPT  IHS UCUM EXCEPTIONS REPORT
LPRT  IHS LOINC FILE 60 REPORTS
MMAP  IHS LOINC MANUAL MAPPER
LOI   IHS Lab Package LOINC Percentage Report
NLO   Lab Tests Without LOINC Entries Report

Select IHS Lab LOINC/UCUM Menu Option:

```

Figure 4-8: IHS Lab LOINC/UCUM Menu Option

#### 4.7.1 IHS UCUM VERIFICATION–UCON

Equivalent to the **UCON** option on the BLRMENU.

#### 4.7.2 IHS UCUM EXCEPTIONS REPORT–URPT

Equivalent to the **URPT** option on the BLRMENU.

#### 4.7.3 IHS LOINC FILE 60 REPORTS–LPRT

Equivalent to the **LPRT** option on the BLRMENU.

#### 4.7.4 IHS LOINC MANUAL MAPPER–NMAP

Equivalent to the **NMAP** option on the BLRMENU.

#### 4.7.5 IHS Lab Package LOINC Percentage Report–LOI

The **LOI** option was included.

The IHS Lab Package LOINC Percentage Report option can only be viewed and accessed by users with the Security Key LRSUPER.

#### 4.7.6 Lab Tests Without LOINC Entries Report–NLO

Equivalent to the **NLO** option on the BLRMENU.

The Lab Tests without LOINC Entries Report option can only be viewed and accessed by users with the Security Key LRSUPER.

#### 4.8 Reference Lab Main Menu Option–REFL

Equivalent to the **REFL** option on the BLRMENU. No updates were made to this menu.

#### 4.9 Option Removed from BLR IHS Lab Main Support Menu

With the installation of LR\*5.2\*1054, the menu option ‘ETP LA7 Message Queue Error Messages to Purgeable’ will be removed from the BLR IHS Lab Main Support Menu.

The ‘EPT LA7 Message Queue Error Messages to Purgeable’ option allowed users to change the status of messages that are over 30 days old in the LA7 MESSAGE QUEUE file (# 62.49) from a status of ERROR to a status of PURGEABLE, allowing the message to be deleted from the queue by the HL7 nightly “garbage collector” routine. This option was provided in the Laboratory Patch LR\*5.2\*1022 released in November 2007.

In the Laboratory Patch LR\*5.2\*1027, released in December 2010, the LA7TASK NIGHTLY task was added for the Lab Messaging Nightly Cleanup option. This task will check the integrity of LA7 MESSAGE QUEUE file (#62.49) and purge messages that are eligible for purging (see Section 4.2.4).

## 5.0 LOINC Updates

### 5.1 VA VistA LOINC Version 2.74 Update

IHS RPMS Lab Patch LR\*5.2\*1054 brings in two (2) VA VistA Lab Patches that will update the LOINC files to LOINC Version 2.74.

#### 5.1.1 VA VistA LOINC Patch LR\*5.2\*560

The LAB LOINC (Laboratory Logical Observation Identifiers Names and Codes) file (#95.3) currently contains LOINC version 2.72 which was released in 2022. The goal of this patch is to update the LAB LOINC file (#95.3) and related files to version 2.73.

Files Updated in this patch:

95.3	LAB LOINC
95.31	LAB LOINC COMPONENT
64	WKLD CODE
64.061	LAB ELECTRONIC CODES
64.2	WKLD SUFFIX CODES

#### 5.1.2 VA VistA LOINC Patch LR\*5.2\*563

The LAB LOINC (Laboratory Logical Observation Identifiers Names and Codes) file (#95.3) currently contains LOINC version 2.72 which was released in 2022. The goal of this patch is to update the LAB LOINC file (#95.3) and related files to version 2.74.

Files Updated in this patch:

95.3	LAB LOINC
95.31	LAB LOINC COMPONENT
64	WKLD CODE
64.061	LAB ELECTRONIC CODES
64.2	WKLD SUFFIX CODES

## **6.0 Components of LR\*5.2\*1054**

### **6.1 Routines**

There are numerous routines included in LR\*5.2\*1054.

#### **6.1.1 BLR7OGMP - Lab Interim Report for EHR**

Modified to display Therapeutic Reference Ranges, if they exist.

#### **6.1.2 BLRALBM - Build Micro Report**

Modified to ensure Lab tests with an Inactivation Date are not used.

#### **6.1.3 BLRAMUTL - MAIN DRIVER FOR AM EXPORT**

New routine that sets new computed field.

#### **6.1.4 BLRCANRP - IHS CANCELLED tests RePort**

New report that will display data concerning tests marked as NOT PREFORMED during a specified date range.

#### **6.1.5 BLRDESIG - Deprecate Lab E-SIG Menus/Options**

Routine to turn Lab E-Sig Menus/Options off.

#### **6.1.6 BLRF60ID - IHS Lab File 60 entries with Inactivation Date Report.**

New Routine that will list the File 60 entries that have an Inactivation Date.

#### **6.1.7 BLRINACD - Set Test's INACTIVATION DATE in File 60**

Routine to allow to set the new INACTIVATION DATE for an entry in the LABORATORY TEST (#60) file without FileMan access.

#### **6.1.8 BLRLINK3 - CONT. OF BLR - IHS LABORATORY VISIT CREATION**

Modifications to allow Ordering Location and UID to be sent over to V LAB or V MICRO.

#### **6.1.9 BLRLINK5 - CONT. OF BLR - IHS LABORATORY V File Routines**

Modifications to return specific SNOMED codes if the Site Description is recognized.

### 6.1.10 BLRLINK6 - CONT. OF BLR - IHS LABORATORY VISIT CREATION

Modified to put SNOMED ROLLUP information into comments.

### 6.1.11 BLRLNKU2 - IHS LABORATORY PCC Utilities 2

Fixed bug that sent Ordering Location to PCC for only "CH" subscribed tests.

### 6.1.12 BLRLNKU3 - IHS LABORATORY LAB TO PCC Utilities, continued

Added code to send the UID over to the PCC files.

### 6.1.13 BLRLOINC - IHS LAB LOINC REPORT

New report that shows the percentages of Tests in the LABORATORY TEST (#60) file that have LOINC's.

### 6.1.14 BLRLRRP1 - INTERIM REPORTS IHS Utilities

Fixed bug that would print (TR) (TR) when Therapeutic Reference Ranges were present.

### 6.1.15 BLRLTRR2 - IHS Lab Laboratory Test (#60) file's Reference Ranges reports version 2

New routine that has reports that will show entries in the LABORATORY TEST (#60) file that have:

- AGE
- SEX
- AGE or SEX
- AGE and SEX

In the REFERENCE LOW, REFERENCE HIGH, CRITICAL LOW, CRITICAL HIGH, THERAPEUTIC LOW or THERAPEUTIC HIGH fields.

### 6.1.16 BLRMANPU - Multiple Accession Not Performed Utility

Modified to fix bug that would cause an error if the Accession Area had a hyphenated name or abbreviation.

### 6.1.17 BLRMNUV2 - BLRMeNU Version 2 Update

New routine that populates new menus.

**6.1.18 BLRNLOIN - IHS LAB NO LOINC REPORT**

Modified routine to include COSMIC (i.e., panel) tests in its analysis of non-LOINCed tests in file 60.

**6.1.19 BLRPST54 - IHS Lab Post Routine for patch LR\*5.2\*1054**

LR\*5.2\*1054 post setups.

**6.1.20 BLRRLEVT - BLR Reference Lab Event**

Modified to prevent error if the LRUID variable is null.

**6.1.21 BLRSORA - HIGH/LOW Value Tasked Report**

Modified to prevent the selection of test with Inactivation Date.

**6.1.22 BLRUTIL3 - MISC IHS LAB UTILITIES (Cont)**

Modified to fix bug that would cause an error if the Accession Area had a hyphenated name or abbreviation.

**6.1.23 BLRUTIL4 - MISC IHS LAB UTILITIES (Cont)**

Modified to fix issue with complete date.

**6.1.24 BLRVFOLU - IHS LAB V Files' ORDERING LOCATION Updates**

New routine to retroactively populate V LAB and V MICRO with ORDERING LOCATIONS.

**6.1.25 BLRVFRDU - IHS LAB V Files' Result Dates' Updates**

New routine to retroactively populate V LAB and V MICRO Result Dates that are invalid with Valid Results.

**6.1.26 BLRVFUID - IHS LAB V Files' UID Updates**

New routine to retroactively populate V LAB and V MICRO with UIDs.

**6.1.27 BLRWU4 - READ ACCESSION**

Modified to fix bug that would cause an error if the Accession Area had a hyphenated name or abbreviation.

- 6.1.28 **LR7OGMP - Interim report RPC memo print**  
Modified to print Therapeutic Reference Ranges if present.
- 6.1.29 **LR7OSMZ0 - Silent Micro RPT**  
Modified to print performing labs on EHR Cumulative.
- 6.1.30 **LR7OSUM - Silent Patient cum**  
Modified to print performing labs on EHR Cumulative.
- 6.1.31 **LR7OSUM1 - Silent Patient cum cont.**  
Modified to print performing labs on EHR Cumulative.
- 6.1.32 **LR7OU4 - NLT LINKING UTILITY AUTO**  
Modified to prevent selection of tests with INACTIVATION DATE field set.
- 6.1.33 **LR7OU5 - NLT LINKING UTILITY SEMI-MANUAL**  
Modified to prevent selection of tests with INACTIVATION DATE field set.
- 6.1.34 **LR7OU641 - RESULT NLT LINKING UTILITY SEMI-MANUAL**  
Modified to prevent selection of tests with INACTIVATION DATE field set.
- 6.1.35 **LRARC1A - CLONED WKLD REP GENERATOR-SELECT FOR ARCHIVING**  
Modified to prevent selection of tests with INACTIVATION DATE field set.
- 6.1.36 **LRARCR1A - ARCHIVED WKLD REP GENERATOR-SELECT**  
Modified to prevent selection of tests with INACTIVATION DATE field set.
- 6.1.37 **LRBEECPT - Edit CPT associated with CIDC**  
Modified to prevent selection of tests with INACTIVATION DATE field set.
- 6.1.38 **LRCAPR1A - WKLD REP GENERATOR-SELECT**  
Modified to prevent selection of tests with INACTIVATION DATE field set.



- 6.1.39 LREV - REVIEW OF LRTEST DESCRIPTIONS**  
Modified to prevent selection of tests with INACTIVATION DATE field set.
- 6.1.40 LRLNC0 - MAP LAB TESTS TO LOINC CODES**  
Modified to prevent selection of tests with INACTIVATION DATE field set.
- 6.1.41 LRLNC1 - LOOKUP LOINC CODE**  
Modified to prevent selection of tests with INACTIVATION DATE field set.
- 6.1.42 LRMIBL - BATCH ORDERING/ACCESSION LOGGING**  
Modified to prevent selection of tests with INACTIVATION DATE field set.
- 6.1.43 LRMISTF - MASS DATA ENTRY INTO FILE 63.05**  
Modified to prevent selection of tests with INACTIVATION DATE field set.
- 6.1.44 LRORD2 - MORE OF LAZY ACCESSION LOGGING**  
Modified to prevent selection of tests with INACTIVATION DATE field set.
- 6.1.45 LROW1 - TEST & SAMP**  
Modified to prevent selection of tests with INACTIVATION DATE field set.
- 6.1.46 LRQCLOG - QUALITY CONTROL LOGGING**  
Modified to prevent selection of tests with INACTIVATION DATE field set.
- 6.1.47 LRSORA - HIGH/LOW VALUE REPORT**  
Modified to prevent selection of tests with INACTIVATION DATE field set.
- 6.1.48 LRSTUF1 - MASS DATA ENTRY INTO FILE 63.04**  
Modified to prevent selection of tests with INACTIVATION DATE field set.
- 6.1.49 LRUTA - DISPLAY LAB TEST INFO FOR LAB**  
Modified to prevent selection of tests with INACTIVATION DATE field set.
- 6.1.50 LRUTW - DISPLAY LAB TEST INFO FOR LAB**  
Modified to prevent selection of tests with INACTIVATION DATE field set.

### 6.1.51 LRWRKINC - INCOMPLETE STATUS REPORT

Modified to prevent selection of tests with INACTIVATION DATE field set.

### 6.1.52 LRWRKLST - LONG ACCESSION LIST

Modified to prevent selection of tests with INACTIVATION DATE field set.

### 6.1.53 LRWRKS - WORK SHEET ACCESSION LIST

Modified to prevent selection of tests with INACTIVATION DATE field set.

### 6.1.54 LRWU4 - READ ACCESSION

Modified to fix bug that would cause an error if the Accession Area had a hyphenated name or abbreviation.

## 6.2 Input Templates

Five input templates are included in this patch.

### 6.2.1 APCDALVR 9000010.09 (ADD)

Modified to include the new UID field.

### 6.2.2 APCDALVR 9000010.09 (MOD)

Modified to include the new UID field.

### 6.2.3 APCDALVR 9000010.25 (ADD)

Modified to include the new UID field.

### 6.2.4 APCDALVR 9000010.25 (MOD)

Modified to include the new UID field.

### 6.2.5 BLR EDIT LABORATORY TEST FILE

Modified to include REQUIRED COMMENT field.

## 6.3 Options

There are 11 new options included in the patch. They are either used to create the new BLRMENU V2 menu or allow access to new reports.

### 6.3.1 BLR ERRORS

IHS Lab Errors Reports and Utilities

### 6.3.2 BLR F60 INACT DATE REPORT

Laboratory Test File Entries with Inactivation Date

### 6.3.3 BLR INACTIVATE TEST

Set Laboratory Test Inactivation Date

### 6.3.4 BLR LAB CANCELLED REPORTS

IHS Lab Cancelled Report

### 6.3.5 BLR PARAMETERS

IHS Lab Parameters

### 6.3.6 BLR PURGE ALERTS

Purge all of a User's VA Alerts.

### 6.3.7 BLR USEFUL OPTIONS

Useful Lab Options

### 6.3.8 BLRMENU V2

IHS Lab Main Support Menu V2

### 6.3.9 BLRMENU V2 LOINC/UCUM

IHS Lab LOINC/UCUM Menu V2

### 6.3.10 BLRMENU V2 REPORTS

IHS Lab Reports Menu

### 6.3.11 LR DISP BUILD COLL LIST

Display building collection list

## 6.4 Files

Four files are included in this patch.

#### 6.4.1 LABORATORY TEST (#60)

Modified to include the new INACTIVATION DATE field.

#### 6.4.2 ANTIMICROBIAL SUSCEPTIBILITY (#62.06)

Modified to include the new LOINC field.

#### 6.4.3 V LAB (#9000010.09)

Modified to include the new UID field.

#### 6.4.4 V MICROBIOLOGY (#9000010.25)

Modified to include the new UID field.

### 6.5 VA Lab Patch 560

The VA Lab Patch LR\*5.2\*560 that updates the LOINC files to LOINC version 2.73 is included in RPMS Lab Patch LR\*5.2\*1054.

#### 6.5.1 Routine

There is one routine in LR\*5.2\*560.

##### 6.5.1.1 LR560

Includes environment checking as well as various post install processing subroutines.

#### 6.5.2 Files That Are Updated

There are numerous files that must be updated to LOINC Version 2.73

##### 6.5.2.1 WKLD CODE (#64) File

This file contains the list of WKLD Codes, which are used to compile Laboratory workload statistics.

##### 6.5.2.2 LAB ELECTRONIC CODES (#64.061) File

This file contains a collection of codes used in electronic messaging.

##### 6.5.2.3 WKLD SUFFIX CODES (#64.2) File

This file contains a listing of National approved Workload Suffix codes.

**6.5.2.4 LAB NLT/CPT CODES (#64.81) File**

This file is used primarily as a National Laboratory Test (NLT) database upgrade source file.

**6.5.2.5 LAB LOINC (#95.3) File**

This file contains an extraction of the LOINC database.

**6.5.2.6 LAB LOINC COMPONENT (#95.31) File**

This file contains the name of the component or analyte measured for the LAB LOINC file (#95.3).

**6.6 VA Lab Patch 563**

The VA Lab Patch LR\*5.2\*563 that updates the LOINC files to LOINC version 2.74 is included in RPMS Lab Patch LR\*5.2\*1054.

**6.6.1 Routine**

There is one routine in LR\*5.2\*563.

**6.6.1.1 LR563**

Includes environment checking as well as various post install processing subroutines.

**6.6.2 Files That Are Updated**

There are numerous files that must be updated to LOINC Version 2.74

**6.6.2.1 WKLD CODE (#64) File**

This file contains the list of WKLD Codes, which are used to compile Laboratory workload statistics.

**6.6.2.2 LAB ELECTRONIC CODES (#64.061) File**

This file contains a collection of codes used in electronic messaging.

**6.6.2.3 WKLD SUFFIX CODES (#64.2) File**

This file contains a listing of National approved Workload Suffix codes.

**6.6.2.4 LAB NLT/CPT CODES (#64.81) File**

This file is used primarily as a National Laboratory Test (NLT) database upgrade source file.

**6.6.2.5 LAB LOINC (#95.3) File**

This file contains an extraction of the LOINC database.

**6.6.2.6 LAB LOINC COMPONENT (#95.31) File**

This file contains the name of the component or analyte measured for the LAB LOINC file (#95.3).

## Appendix A BLR Menu Options List

Table 6-1: Listing of BLR options and assigned Security Keys

Acronym	Menu Option	Security Key
BGFR	Create Bedside Schwartz eGFR Delta Check	LRSUPER
CACC	IHS Count accessioned tests	LRSUPER
CCCD	Create Creatinine Clearance Delta Check	LRSUPER
CDVC	Edit BLR COLL DT PCC VISIT CREATION Parameter	LRSUPER
CGFR	Create CKD-EPI Equation Delta Check	LRSUPER
DCL	DISPLAY BUILDING COLLECTION LIST	LRSUPER
EAPE	Edit BLR EMERGENCY ALERT Parameter	LRSUPER
EMGP	Edit LAB HIGH URGENCY NOTIFICATION Mail Group	LRSUPER
ERRT	Error Trap Reporting	LRSUPER
GFRC	Create 2021 CKD-EPI eGFR Delta Check	LRSUPER
INAC	Set Laboratory Test Inactivation Date	LRSUPER
LABT	Determine if Required RPMS Lab Options Tasked	LRSUPER
LVP	RPMS Lab Version & Patch Report	LRSUPER
MACC	Mark Multiple Accessions as Not Performed	LRSUPER
PAMG	Edit RPMS Lab Parameters and/or Mail Groups ...	LRSUPER
POCA	Edit BLR AGE DETAIL Parameter	LRSUPER
REPL	Replace Lab Order/Test Status Report ...	LRSUPER
TCCR	Test Creatinine Clearance Logic	LRSUPER
TGFR	Test CKD-EPI Equation Logic	LRSUPER
	Count Accessioned Tests Using Lab Data File ...	LRSUPER
BB	Blood bank ...	LRBLOODBANK
CANR	IHS Lab Cancelled Report	BLRCANRC
CLR	Clear BLR errors from error log	BLRZMGR
RBE	Clear ALL BLR Errors from Error Log	BLRZMGR
REFL	Reference Lab Main Menu ...	BLRRLZ
SHDR	State Health Dept Report	BLRSHDR

# Glossary

**Accession Area**

A functional area or department in the laboratory where specific tests are performed.

**Accession Number**

A unique alpha-numeric (combination of letters and numbers) assigned to an individual patient specimen when it is received in the laboratory.

**File**

A set of related records or entries treated as a single unit.

**FileMan**

The database management system for the VA's VistA system and IHS' RPMS system.

**HL7**

Health Level Seven. An ANSI approved American National Standard for electronic data exchange in health care.

**ICD**

International Classification of Diseases. It is formally known as the International Statistical Classification of Diseases and Related Health Problems, a medical classification list by the World Health Organization (WHO).

**IEN**

Internal Entry Number. A unique number used to identify an entry within a file.

**IHS**

Indian Health Service. An Operating Division (OPDIV) within the U.S. Department of Health and Human Services (HHS).

**Menu**

A list of choices for computing activity. A menu is a type of option designed to identify a series of items (other options) for presentation to the user for selection.



**MUMPS**

MUMPS (Massachusetts General Hospital Utility Multi-Programming System) or alternatively M, is a general-purpose computer programming language that provides ACID (Atomic, Consistent, Isolated, and Durable) transaction processing.

**Parameter**

A name in a function or subroutine definition that is replaced by, or bound to, the corresponding actual argument when the function or subroutine is called.

**RPC**

Remote Procedure Call. A client/server system within Department of Veterans Affairs (VA) Veterans Health Information Systems and Technology Architecture (VistA) environment. It establishes a common and consistent foundation for client/server applications to communicate and exchange data with M Servers.

**RPMS**

Resource and Patient Management System. A suite of software applications used at IHS facilities to support administrative, clerical, and clinical functions.

**SNOMED**

Systematized Nomenclature of Medicine. A systematic, computer-processable collection of medical terms, in human and veterinary medicine, to provide codes, terms, synonyms and definitions which cover anatomy, diseases, findings, procedures, microorganisms, substances, etc.

**TaskMan**

A Kernel sub module that allows tasks (e.g., VA FileMan prints and sorts) to run in the background.

**VA**

Veteran's Administration. United States Department of Veterans Affairs

**VistA**

The Veterans Health Information Systems and Technology Architecture. An enterprise-wide information system built around an Electronic Health Record (EHR), used throughout the VA medical system.

## Acronym List

<b>Acronym</b>	<b>Term Meaning</b>
CPT	Current Procedural Terminology
EHR	Electronic Health Record
IHS	Indian Health Service
PCC	Patient Care Component
POC	Point Of Care
RPMS	Resource and Patient Management System

## Contact Information

If you have any questions or comments regarding this distribution, please contact the IHS IT Service Desk.

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