

# eRAD RIS

# CUSTOMER RELEASE NOTES

Build v3.2022.6.20

UPDATED JULY 27, 2022

# Table of Contents

Summary 2
Intended Audience2
Release Content2
Who Is Affected2
New Settings
RIS3
New Features
Scheduling
Feature #30984 - MR Magnet Type preference for Referring Providers
RADAR
Feature #30921 – Support for multiple SecurePIC requests and Scan Groups
Provider Portal
Feature #31120 - Disable Approve and Schedule workflow when procedures cannot be scheduled13
Thick Client GUI
Feature #3168 - Electronic Lay Letter distribution13
Resolved Issues and Known Limitations21
Resolved Issues
New Known Limitations
Version Details
Package Contents
Code Stream
eRAD RIS Release Version Numbers24

# **Publication History**

Revision	Author		Description				
July 25, 2022	Kevin Brooks	•	Forwarded for review and approval.				
July 27, 2022	Kevin Brooks, Hilary Saltmarsh, Randy Rogers	•	Revisions				
July 27, 2022	Kevin Brooks	•	Commercial release.				
	/ Hilary Saltmarsh						

# SUMMARY

# Intended Audience

The intended audience for this CUSTOMER RELEASE NOTES document is the RIS Administration team for all eRAD RIS customers.

This document describes the purpose, configuration, and operation of new features made available with this release, identifies issues resolved in the release, and highlights any unresolved known limitations.

This information should be used by all customers to determine how these changes affect their organization's workflow, and to plan their organization's upgrade strategy for eRAD RIS.

Additional technical details and deploy instructions are available to the Service Team in the SERVICE RELEASE NOTES edition of this document.

# **Release Content**

This release of ERAD RIS v3.2022.6.20 includes both feature enhancements and a variety of resolved issues.

Notable enhancements are the support for electronic Lay Letter distribution and support for multiple SecurePIC requests and Scan Groups.

This release also resolves several registration, scheduling, and worklist issues, and incorporates previously released in versions 3.2021.6.7.2, 3.2022.1.17.4.3, 3.2022.1.17.4.4, 3.2022.1.17.4.5, and 3.2022.5.9.2.



Please carefully review these release notes even if your system will not be upgraded immediately, to identify and communicate any issues that may affect your organization.

# Who Is Affected

This version is recommended to be applied on ERAD RIS v3.2022.6.6 installations.

# NEW SETTINGS

Summary of all settings that were added, updated, or removed:

# RIS

# Changes to AccessString Lookup Table

The following settings were added or updated with this release:

Setting	Default	Purpose
Config.LookupEditor.BATCollection	Value=[None Full], Default=[None]	Controls access to the "BATCollection" lookup table editor. Added in v3.2022.6.20 #31786
Config.LookupEditor.ScanTypeGroup	Value=[None Full], Default=[None]	Controls access to the "ScanTypeGroup" lookup table editor. Added in v3.2022.6.20 #30921

# Changes to SystemConfig Lookup Table

The following settings were added or updated with this release:

Setting	Default	Purpose
DaysForBackupLayLetterViaMail	Value=Days as Integer, Set to [≤ 0] to disable, Default=[-1]	Number of days after a Lay Letter is distributed via SMS or Email upon which the Lay Letter will be printed for mailing when there is not a record of the patient digitally accessing their results. When disabled, no Print copy will be generated. Added in v3.2022.6.20 #3168
InboundRADARMessageFilter	Value=CSV as String [RIS APPOINTMENT SUMMARY RIS QUICK MESSAGE UM Alert SecurePIC Report Delivery Schedule Alert Good Faith Estimate Lay Letter], Default=[RIS QUICK MESSAGE,SecurePIC,RIS APPOINTMENT SUMMARY,UM Alert,Report Delivery,Good Faith Estimate,Lay Letter]	Message notification type filter for RADAR inbound message processing. When blank, all inbound message notifications will be processed. Updated in v3.2022.6.20 #15357, #31029, #31477
LayLetterDistributionMethod	Value=Ordered JSON list as String [from DistributionMethod lookup table], Default=["Use Preferred Delivery","SMS Link","Email Link","Print and SMS Link","Print and Email Link","Print"]	Preferred distribution methods for Lay Letter. If most preferred method is unavailable, the next on the list will be tried until a valid delivery method is found. Note: Click Value to open custom editor. Added in v3.2022.6.20 #31279
LayLetterScanType	Value=Active "Scan Type Code" value as String [from ScanTypes lookup table], Default=[LayLetter]	Scan Type Code value that represents a Lay Letter. Added in v3.2022.6.20 #31465
PPLayLetterConfirmationRequired	Value=Boolean, Default=[FALSE]	When [True] a Confirm section allows the patient to acknowledge that they have viewed their report via the portal. When [False] the Confirm section will be hidden. Added in v3.2022.6.20 #31465

## New Lookup Tables

The following lookup tables were added with this release:

Group	Lookup	Description
General	ScanTypeGroup	The "Scan Type Group" lookup defines groups of multiple document types that will appear in the SecurePIC request dialog. Added in v3.2022.6.20 #30921
System	BaseScanType	A new "Base Scan Type" lookup is used by RADAR to match similar scan types across different clients / installations. Values are not editable. Added in v3.2022.6.20 #30921
System	BATCollection	The "BAT Collection" lookup table defines the collection of steps for a BAT task. The "rule" type columns provide the ability to customize the function provided by the task. Added in v3.2022.6.20 #3168

# NEW FEATURES

# Scheduling

MRI MAG

## Feature #30984 - MR Magnet Type preference for Referring Providers

### Summary

This enhancement to User Preferences adds the ability to set an MR Magnet Type preference that can be utilized when exams are being scheduled on the Referring Provider Portal.

GNET TYPE				
MRI Magnet Type preference	1.5TT			
	SAVE	CANCEL		

Previously, when a referring provider preferred their patients be scanned on a specific type of MRI, that detail was kept as a note and schedulers had to be aware of it.

With this change, the MRI Magnet Type preference value will now automatically default to the physician's preference when scheduling MRI exams from the Provider Portal.



This new feature only controls the return of time slots in the Referring Portal. Future enhancements will also update behavior from the Scheduling and Patient portals.

## Feature Description

A new MRI Magnet Type preference field is now available to be configured on either the Referring Preferences tab in the Personnel lookup or on the Account tab in the Provider Admin portal.

General	Resource	Account	Notes	Attachments	Preferences	Referring Preference	s Skill Set				
Preferred	d radiologist	5									
A	o-Datow-U					the second second	, and the second	A. A. [	Add Partning	jist	
Compre	ssion prefer	ence*		Compressed	(JPEG)	•					
MRI Maş	gnet Type pr	eference		Extremity		×					

User Details Preferences Proxy	& Affiliations Account Add Ons
ACCOUNT STATUS	
and the second sec	and a second
. t	
	SAVE CANCEL
MESSAGES	
Message Grou	ups 2 selected +
	SAVE ZAVER
MRI MAGNET TYPE	
MRI Magnet Type preferer	nce Extremity v
	SAVE CANCEL
EULA	
	Marian Est Basad

This field can only be set for users with the Referring Resource checked, and only active MRI Magnet Types will display in the dropdown.

When scheduling MRI exams within the Referring Provider Portal, MRI Magnet Type preference will now default to the physician's preference (e.g. 3T) and the options provided will reflect that selection. If no preference is configured, appointment options with any magnet type will be returned.

Schedule Exam								
Choose the date, location, and time for the exa EXAM 1 MR x Orbit Face Neck W	m by selecting an ope	n time slot. Pleas	e arrive 23 minute	es prior to your so	heduled appointn	nent time.		
PIR X OFDIC Face Neck W								
Show Locations for: North Service Area	Mon 06-27-2022	<b>Tue</b> 06-28-2022	<b>Wed</b> 06-29-2022	<b>Thu</b> 06-30-2022	<b>Fri</b> 07-01-2022	<b>Sat</b> 07-02-2022	<b>Sun</b> 07-03-2022	
MRI Magnet Type:	Select a time slo	ot for EL-This	is the friend	y description	on			
🔿 All 🔿 MRI Light 🔿 MRI Mini	Mo	ornings		Afterno	ons		Evenings	
● MRI Ultra Light 🔿 MRI Regular 🔿 MRI Free	ree No time slots available. No time slots available.				05:30 PM			
🔿 MRI Heavy 🔿 MRI Clunky							06:00 PM	
Sort Locations by:							06:30 PM	
<ul> <li>Earliest Availability</li> </ul>							07:00 PM	
O Distance from Change							57100	

## **Configuration Instructions**

System Administrators must complete the following actions to enable this feature:

### **RIS Client**

### Changes to MRIMagnetType Lookup Table

• Configure MRI Magnet Type Code magnet types as required.

· >		MRI Magnet Type Code		Description	Report Description	Time Slot Tag	Display Order	Priority	Last Update	d	Active	
🛅 General		Contains:	Ŧ	Contains:	T Contains:	T Contains:	T Equals:	T Equals:	T Equals:	T Contains:		
DigitalFormsMask	*					Click here to add a	new row					
ImageMedium		0.4T		MRI Light		Closed	1	1	06-16-2022 09	Y		
ImageUploader		1.0T		MRI Mini		Open	2	1	06-16-2022 0			_
ImagineChargeAuditNote		1.5Closed		MRI Regular		1.5 Closed	4	2	06-16-2022 09			
ManagementReportMaxTimes Insurance		3TClosed		MRI Heavy		3T Closed	6	2	06-16-2022 0			
Mammography				-			7	2	06-16-2022 0			
MammoBiopsyStage		3TOpen		MRI Clunky		3T Open	1	1				
MammoBiopsyTechnique		1.5Open		MRI Free		1.5 Open	5	1	06-23-2022 03			
MammoLetterConfig		0.2T		MRI Ultra Light		0.2T Open	3	2	07-12-2022 0	Y		
MammoType												
🗁 MU												
VaccineManufacturer												
🗁 Procedure												
TemplateMacro												
😁 Scheduling												
ConfirmationStatus												
MRIMagnetType												

### Changes to Modalities Lookup Table

• A new <u>MRI Magnet Type Code</u> column has been added to the <u>Modalities</u> table to associate an MRI magnet type to a modality.

I	MRI Magnet Type Code	Log	Modality Code	Short Description	Description	AE Title	Digital	Site Code		Modality Typ
	Contains: 🔻 🔻		Contains: 🔻	Contains: 🔻	Contains: 🔻	Contains: 🔻	Contains: 🔻	Contains: qe	<b>•</b>	Contains:
k Click here to add a new row										
1	3TOpen (MRI Clunky)		MR1LU		MR1LU	MR1LU	N	LU (QE Lutherville)		MR (MRI)
	3TClosed (MRI Heavy)		MR3LU		MR 3 LU		N	LU (QE Lutherville)		MR (MRI)
	1.5Closed (MRI Regul		MR1FH		MR1FH	MR1FH	N	FH (QE Fisher)		MR (MRI)
1	0.4T (MRI Light)		MR3T		MR3T	MR3T	N	FH (QE Fisher)		MR (MRI)
(	0.2T (MRI Ultra Light)		MR1EL		MR1EL	MR1EL	N	EL (QE Eldersburg)		MR (MRI)

### Referring MRI Magnet Type Preference

• Configure user's MRI Magnet Type preference on either the Referring Preferences tab in the Personnel lookup or on the Account tab in the Provider Admin portal.

# RADAR

# Feature #30921 – Support for multiple SecurePIC requests and Scan Groups

### Summary

This enhancement to RADAR SecurePIC adds support for requesting multiple documents in a single SecurePIC request, adds support for a generic scan type and for scan groups, and improves management of the returned images on the Inbound Document Worklist.

@ R	equest Secure		×
To:	Billing, te	st	
	SMS	(222) 222-2222	-
	Email		Ψ.
Rec	uested Doc	ument	
	Drivers Lice	ense	-
	Consent		
Þ	Group		
	Insurance		
	Insurance (		
	Not yet cla	ssified	
Þ	Scan31010		
V	Group 2 Registratio	n Form	
	Script	nronn	
	Worksheet		-
		Send	Cancel

### Background

Previously, users could only request a SecurePIC with a single Scan Type selected for the patient to submit. If the PSR actually needed e.g., both an ID and a script from the patient, they would have to send two separate SecurePIC requests and explain each to the patient, for example if they were to be completed in a specific order.

### **Feature Description**

### Request Workflow

### Multiple Document Type Selection

The current SecurePIC request workflow allows requests to be sent from an existing order / appointment / study or during scheduling before the data has been saved as an order or appointment.

With this change, users can now select multiple document types from the SecurePIC request dialog.

C Request SecurePIC	×
To: New wide Autom	
SWS	-
Email	-
Requested Document	
Biopsy Report Insurance Card Authorization Request Chest Xray Clinical Document V Drivers License	
Send Cancel	

In addition to selecting multiple scan types, as identified via the <u>Secure Pic Flag</u> in the <u>ScanType</u> lookup table, users may also select scan type groups, as well as a new generic scan type.

### Scan Type Groups

In addition to manually selecting multiple document types, the Request SecurePIC dialog now also supports a grouping mechanism to simplify selecting multiple document types that are commonly requested together.

Ce Request SecurePIC	×
To:	•
✓ Email Requested Document	<b>*</b>
<ul> <li>Drivers License</li> <li>Consent</li> <li>Not yet classified</li> <li>Scan Group 1</li> <li>Drivers License</li> <li>Insurance Card</li> <li>Script</li> </ul>	•
Not yet classified  Scan Group 2	
Send Cancel	

SELECT A SCAN GROUP TO EXPAND IT AND AUTOMATICALLY SELECT ALL ASSOCIATED SCAN TYPES EXCEPT THE GENERIC "NOT YET CLASSIFIED" SCAN TYPE.

These new Scan Type Groups are defined via a new ScanTypeGroup lookup. Each group automatically includes a generic Not yet classified scan type which is initially unchecked by default.

### **Generic Scan Type**

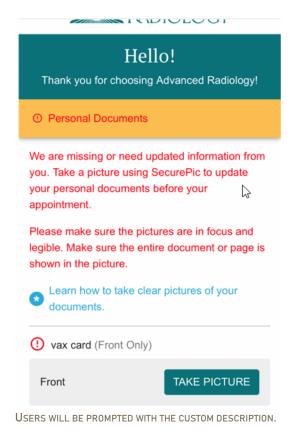
A new generic scan type with a description of <u>Not yet classified</u> gives users the ability to request additional documentation when no corresponding pre-defined scan type exists.

When selected, the user is prompted to enter a specific description that will be transmitted to RADAR and displayed on the web page.

Requested Document		
Drivers License		
Not yet classified	(describe)	
WHEN SELECTED, ADDITIONAL (I	DESCRIBE) FIELD I	S VISIBLE.
Requested Document		

Drivers License	
Consent	
vax card	

CLICK THE (DESCRIBE) FIELD TO ENTER A CUSTOM DESCRIPTION.



### **Response Workflow**

Users receiving the message can respond via an updated SecurePIC portal web page. They will be prompted to upload the requested images, both front, back, and additional pages as necessary.

Provider's Order for an Imaging Exam		
Please take a picture of the order from your provid	ler for this appointment.	
1st Page		UPLOAD
2nd Page (if necessary)		UPLOAD
Uax card (Front Only)		
Front		UPLOAD



	Back)
Please take a picture of	a document, such as a
government-issued ID, o	lriver's license, or
passport. Ro not send a	selfie.
Front	TAKE PICTURE
Back	TAKE PICTURE
Insurance Card (From 1)	ont Only)
Front	TAKE PICTURE
Provider's Order for	an Imaging Exam
Please take a picture of	the order from your
provider for this appointr	nent.
provider for this appointr	TAKE PICTURE

MOBILE BROWSERS ARE ALSO SUPPORTED.

### **Review Workflow**

Returned scans will display and can be managed as normal on the <u>Attach Inbound Documents</u> and <u>IVT</u> <u>Screening</u> worklists, where they will appear already classified appropriately.

### **Configuration Instructions**

System Administrators must complete the following actions to enable this feature:

### **RIS Client**

### Changes to RIS AccessString Lookup Table Settings

• Grant permissions as necessary.

The following related settings were added or updated:

Setting	Default	Purpose
Config.LookupEditor.ScanTypeGroup	Value=[None Full], Default=[None]	Controls access to the "ScanTypeGroup" lookup table editor. Added in v3.2022.6.20 #30921

### Changes to ScanType RIS Lookup Table

Three new columns have been added to the <u>ScanType</u> lookup to support the updated SecurePIC RIS workflow:

eRAD RIS (QE_ERAD_BW	/C a	s Ke	_				_	_	- 8	•
File Administration Messa	agin	g 🔪				MD/ADV	2 -			Q
Lookup - ScanType 🗙									$\rightarrow$	• 3
scan X		ske	ognition Flag	Show In Attachments Flag	Secure Pic Flag	Base Scan Type Code	Multi Page Flag	Last Updated	Active	-
🔺 📴 General			Υ	Contains:	Contains:	Contains:	Contains: T	Equals: T	Contains:	T
ScanType	*									
ScanTypeGroup	*									
Insurance		- 3		Y	Y	Prescription	N	06-22-2022 12		
📄 Mammography		1		Υ	Y	Insurance Card	Y	06-23-2022 09	Y	
📄 MU	Þ			γ	Υ	Drivers License	Y	06-27-2022 03	Y	
Procedure				γ	Υ	Drivers License	N	06-28-2022 03	Y	
📄 Scheduling				γ	Y		N	08-13-2019 01	Y	
Service		1		γ	Y		N	08-13-2019 01	Y	
System		Ξ.		γ	N		N	06-27-2022 10	N	
📄 User		-		· · · · · · · · · · · · · · · · · · ·	N.		NI	04 26 2022 09		_

• A new <u>Secure Pic Flag</u> column determines whether the scan type will appear in the <u>Request</u> <u>SecurePIC</u> dialog and also whether the scan type can be added to a <u>ScanTypeGroup</u>.



On upgrade, all existing entries will default the <u>Secure Pic Flag</u> to Y to ensure existing functionality is not lost for customers. Disable any scan types that should not be shown to the PSR for SecurePIC.

- A new Base Scan Type Code column indicates which BaseScanType, if any, is associated with the row. The base scan type is used by RADAR to match similar scan types across different clients / installations.
- A new Multi Page Flag column indicates if the scan type can have multiple pages. This will default Y for all ScanTypes.

The following fields in ScanTypes are used by SecurePIC RIS workflow:

- <u>Scan Type Code</u> is passed to RADAR in the SecurePIC request message. It is referred to as Document Type in RADAR and it is NOT equal DocumentType in RIS.
- Description is passed to RADAR in the SecurePIC request message. It is referred to as Document Description.
- Duplex Flag (Y/N) can be passed to RADAR as Document Details.
  - 'N' value is passed as F meaning Front only requested.
  - 'Y' value passed as FB meaning Front and Back requested.
- Multi Page Flag (Y/N/empty) Only 'Y' will be passed to RADAR as Document Details.

When value is 'Y', it will pass to RADAR as 'M' meaning multiple pages can be uploaded. This value will override parameter set by the Duplex Flag value.

Note: Duplex flag and Multi page flag are used together to produce values of F, FB or M:

Duplex flag	Multi page flag	Result
Ν	N or empty	F
Y	N or empty	FB
N or Y	Υ	М

### New BaseScanType RIS Lookup Table

A new BaseScanType lookup is used by RADAR to match similar scan types across different clients / installations. Values are not editable.

### New ScanTypeGroup RIS Lookup Table

A new <u>ScanTypeGroup</u> lookup defines groups of multiple document types that will appear in the SecurePIC request dialog.

scan X			Scan Type Group Code		Display Order		Description		Last Updated		
▲ 📴 General			Contains:		Equals:	Ŧ				r Co	ontains:
ScanType	×								Click b	here	to add a new row
ScanTypeGroup	-										10 400 4 1104 104
Insurance		Þ	Picture this		1		Photo ID documents STG	00	3-22-2022 11	. Y	
Mammography	►	4	Cards		1		Some type of card	00	5-22-2022 11	. Y	
📄 MU			Scan Type Group Code								Scan Type Co
Procedure			Cards Blockbu	ister Car	ď						
Scheduling			Cards Insuran	ce Card							
Service			Cards Library	Card							
System		*							Olivel		e to add a new row

• Optionally, create desired <u>Scan Type Group Code</u> groups and add desired <u>Scan Type Code</u> items to be included.

# Provider Portal

# Feature #31120 - Disable Approve and Schedule workflow when procedures cannot be scheduled

### Summary

This enhancement to Provider UM Orders Workflow updates the portal scheduling options when an exam cannot be found via the procedure picker tree.

Previously, both the Approve and Approve and Schedule buttons were visible but disabled in this situation.

With this change, the Approve and Schedule button will be hidden when the exam is not found in the picker, or when the RPScheduleAllow is set to No for the exam. The Approve button will remain available so UM exams can be approved.

## **Configuration Instructions**

No System Administrator actions are necessary to enable this feature.

# Thick Client GUI

# Feature #3168 - Electronic Lay Letter distribution

### Summary

This enhancement to RIS introduces a new electronic lay letter distribution workflow that adds options to send lay letter communications via SMS and email with the option to fall back to Print/Mail when necessary.

This feature includes:

- Support for electronic distribution of lay letter documents through RIS / RADAR
- Support for viewing and acknowledging the lay letter documents in the patient portal

### Background

Sending Lay Letters via mail costs time and money. It also takes longer for the patient to receive the results of their exam. Support for electronic communication has become routine and expected, so it makes sense to adopt a workflow that is similar to the recently introduced distribution process for Good Faith Estimates.

Previously, lay letter distribution jobs would – by default – be created on the Document Distribution worklist in Hold status and would manually be printed and sent out via mail to the patient.

With the advent of RADAR report deliveries, and now the new **Backend Automation Tool (BAT)** system, RIS can support the old workflow while also bringing in the new mechanisms for lay letter delivery over SMS and email, displaying it in the patient portal.

### **Related Features**

The primary Redmine ticket for this feature is:

1. FEATURE #3168 - SUPPORT FOR ELECTRONIC LAY LETTER DISTRIBUTION

This change encompasses the following features:

- 2. FEATURE #31279 LAYLETTERDISTRIBUTIONMETHOD SETTING
- 3. FEATURE #31282 ELECTRONIC LAY LETTER: SUPPORT VIEWING THE EXAMS PAGE WITH REPORT SUMMARY (AKA LAY LETTER) OUTSIDE OF LOGIN VIA SMART LINK
- 4. FEATURE #31465 ELECTRONIC LAY LETTER: ADD REPORT SUMMARY TAB TO THE EXAMS PAGE FOR BI-RADS STUDIES
- 5. FEATURE #31475 SEND SECURE LINK FOR LAY LETTER VIA EMAIL
- 6. FEATURE #31476 SEND SECURE LINK FOR LAY LETTER VIA SMS
- 7. FEATURE #31477 UPDATE INBOUNDRADARMESSAGEFILTER CONFIG SETTING TO ACCOUNT FOR LAY LETTER

The following related feature was also completed and documented separately in the Platform section below:

8. FEATURE #31786 - BACKEND AUTOMATION TOOL (BAT) PHASE ONE

### **Feature Description**

With this change, when a mammography study is signed in RIS, the following workflow ensures the patient is properly notified of the results:

- 1. A job is created on the Document Distribution worklist based on the configured delivery preferences.
- 2. A lay letter document is generated and associated to the patient's scan documents as an attachment.
- 3. The patient is notified via SMS / Email and directed to the site's Patient Portal (or the document is printed if requested).
- 4. Once logged in, the user will see their lay letter (Report Summary tab) in the portal and have the option to confirm that they have accessed and read the document.
- 5. If the patient fails to acknowledge the document within the configured number of days, a print job is generated in Hold status to be manually mailed out to the patient (optional).

### Lay Letter Job Creation

With this change, when a mammography study is signed in RIS, a job will be created on the <u>Document</u> <u>Distribution</u> worklist. It must be sent to the patient according to the customer's communication preferences as described below, for example:

- 1. Send via SMS
- 2. If no mobile, send via Email.
- 3. If no email, print and mail.

The generated lay letter document will be associated to the patient's scan documents as an attachment:

SMITH, JOHN (Page: 1 / 1)		-	∎ ×
Lay Letter	13 Haliburtoni Rd. Baltimore, MD 50124 Phone: 9998887777 Fax: 9998887776		
	JOHN DEV SMITH 73840 Mundane Ln. Suite 5390 Granite, IA 51241		
	Dear JOHN DEV SMITH; Date: 06-07-2022		
	Your Digital Screening Mammogram performed on 06-06-2022 shows the need for further evaluation. It is important that you call your health care provider to discuss these results and decide together what the next steps of your medical care should be.		
	As you know, early detection of cancer is very important. Although mammography is the most accurate method for early detection, not all cancers are found through mammography. A thorough examination includes a combination of mammography, annual physical examination and monthly breast self-examination. Screening mammography for early detection of cancer is important to your ongoing health. Current American Cancer Society Guidelines recommend screening mammograms and physical breast examination every year beginning at age 40.		<b>£</b>
	The results of this procedure have been sent to Dr. Joel Gallant, MD and will become part of your medical record here at Highway Imaging Associates. It is your responsibility to inform any new health care provider of the date and location of this examination.		
Lay Letter Distrib	ution		, rd <u>ub</u> r

A distribution job will be created when an appointment is scheduled, using the most preferred mechanism.

Determination of Distribution Method is based on the new LayLetterDistributionMethod configuration and available patient data.

This functionality was delivered via the Redmine tickets:

- FEATURE #31279 LAYLETTERDISTRIBUTIONMETHOD SETTING
- FEATURE #31477 UPDATE INBOUNDRADARMESSAGEFILTER CONFIG SETTING TO ACCOUNT FOR LAY LETTER

### **Distribution Method Settings**

### Configuration

Because the contact methods available for each patient can vary (e.g. not every patient has an email or mobile phone), the distribution hierarchy is configurable to define the contact types in their preferred order of use via a new LayLetterDistributionMethod System Config setting.

Lookup - SystemConfig X									
sys		System Config Code				Value			
General		Contains: layletterd	۲	Contains:				Ŧ	Conta
Mammography	►	LayLetterDistributionMethod			(	Click to open custom editor			["Use
MammoBiopsyStage		LayLetterDistributionMethod						х	:
MU Procedure		Possible Values				Sorted Values			
Scheduling		Contains:		٣	r	Use Preferred Delivery			
Service		Print				SMS Link			
System		Print and Email Link				Email Link			
CreatedBySystem		Print and SMS Link							
ExternalReportingSystem									
SystemConfig									<u>اا ۱</u>
📄 User									
					•				-
					4				
، خاصين المسيم محسبين		a a a summer a summer a		المرد المساحب	a second a	الدائرين المستور المترين ومستعد	the second		, II

IF NO VALID METHOD IS IDENTIFIED, THE DISTRIBUTION JOB WILL GO TO ERROR STATUS.

If "Use Preferred Delivery" is selected, this option will prioritize the **patient's** preferred delivery method, as long as the required data (e.g. mobile phone or email address) is available.

Primary Address	Alternate A	ddress	Preference	es	
Preferred contac Preferred delive Marketing mess	ct method ry method ages 〇	Email Email Mail Print & Print &	Email	≠ ▼ te	ed
		SMS			

### Generation

When the distribution method is Print, the Lay Letter will be printed so that it can be sent to the patient via mail.

If an SMS or email option is used, the patient will be able to access the Lay Letter in the Patient Portal via a Smart Link sent by Email or SMS:

- If either "SMS" or "Email" is used, both the primary distribution job will be created, as well as a delayed (future-dated) job to print the document should the user fail to access their electronic copy. Refer to the CONFIRMATION WORKFLOW section below for details.
- If either "Print and SMS" or "Print and Email" is used, two distribution jobs will be created as long as an address and a mobile phone or email is present. If only one item is available, only a single distribution job will be created.

If no viable communication option is found, the distribution job will have a status of Error and will remain on the Distribution WL so the job may be edited to update the method or enter the missing data.

### Lay Letter Distribution via SMS or Email

Just as is done by the similar FEATURE #31029 - CREATE A GOOD FAITH ESTIMATE FOR SELF PAY APPOINTMENTS, a distribution job for Email or SMS will send the patient an email containing a Smart Link notifying them that a secure message is available.

A mes	ssage from New Lutherville			
0	New Lutherville <radarops@radarmed.com> Thu 6/2, 3:28 PM Joel Gallant &amp;</radarops@radarmed.com>	P	į	Reply all
	WARNING: Outside Send	er		
	Hello:			
	New Lutherville has an important message for you. Click b	elow to : W2SP4 [I		

Message content can be customized via ParagraphConfig.

This functionality was delivered via the Redmine tickets:

- FEATURE #31475 SEND SECURE LINK FOR LAY LETTER VIA EMAIL
- FEATURE #31476 SEND SECURE LINK FOR LAY LETTER VIA SMS

### User Workflow

When the SMS or email option is used, the patient is instructed to access their Lay Letter in the Patient Portal via a Smart Link.

This functionality was delivered via the Redmine tickets:

- FEATURE #31282 ELECTRONIC LAY LETTER: SUPPORT VIEWING THE EXAMS PAGE WITH REPORT SUMMARY (AKA LAY LETTER) OUTSIDE OF LOGIN VIA SMART LINK
- FEATURE #31465 ELECTRONIC LAY LETTER: ADD REPORT SUMMARY TAB TO THE EXAMS PAGE FOR BI-RADS STUDIES

### Accessing the Lay Letter

### **Opening the Smart Link**

Upon opening the Smart Link, patients will be prompted to authenticate by confirming their date of birth to access their Lay Letter on the Patient Portal.

	e <b>sert</b> Advanced I RadNet Imaging Cent	
Desert Advanced I	maging has an impor	tant message for you.
To confirm your i	dentity, please enter	your date of birth.
	00-00-0000	
	SUBMIT	

Note that this workflow allows patients to view their Lay Letter without actually logging into the portal, or even having a portal account.



Note that users also have the option to log in to their Patient Portal account directly to access their results (rather than via the Smart Link).

Once logged in, the user will see their lay letter (Report Summary tab) in the portal and be prompted to confirm that they have accessed and read the document.

However, if the patient does not access their document before the time configured via LayLetterSmartLinkExpiry, the user will see a "This link has expired" message.

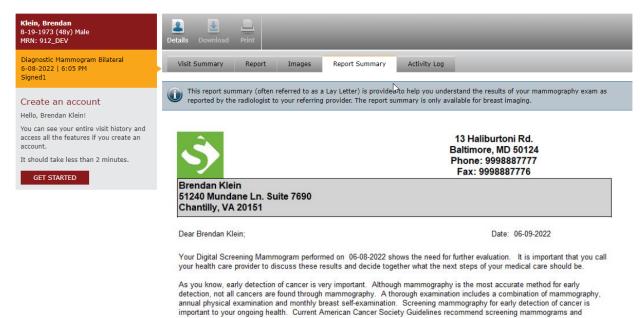
HAVE AN I-CODE?	
We're sorry. There was an issue with that I-Code. Please try again.	
Enter the verification code to access the portal	
NEXT	

The inactive code may be reactivated:

Verify Profile	iCode								
iCode	Date	Exam	Accession ID	Referring	Site	Expiry	Status	Action	
VY3X-XPP3-Y8KP-W6DN	7/13/2022	MA Digital Mammo Diag Bil	6486064_BWC	Admin Connor	QE Lutherville	7/13/2022	Inactive	REACTIVATE	
5DNQ-KH36-6JMW-6PMF	7/13/2022	MA Digital Mammo Diag Bil	6486064_BWC	Admin Connor	QE Lutherville	7/23/2022	Active	EXPIRE	SEND

### Viewing and Acknowledging the Lay Letter

Upon entering their DOB correctly, the Exams page for the respective appointment will be displayed with the Report Summary as the Active tab.



Regardless of the method of contact, Lay Letter communication will be recorded in Distribution History and Audit History. The communication will also be visible on the Distribution WL and can be worked in the event of an error.

### **Confirmation Workflow**

It is important to ensure the patient has viewed their document, either electronically or by mail.

In the event that the user does not access their correspondence electronically, a new

DaysForBackupLayLetterViaMail system configuration setting will facilitate sending them a "backup" paper copy.

When the configured number of days have elapsed without them accessing their document, a BAT task (FEATURE #31786 will generate an additional print job that will appear on the Distribution WL in Hold status to be manually mailed out to the patient.

However, this printed copy is not necessary if we can confirm the document was viewed electronically. This viewing confirmation can be captured either explicitly or implicitly:

A new **PPLayLetterConfirmationRequired** system configuration setting allows RIS to explicitly document that the patient has acknowledged viewing the document via the portal by requiring them to click a button:

Klein, Brendan 8-19-1973 (48y) Male MRN: 912_DEV	Details Download	Print			
Diagnostic Mammogram Bilateral 6-08-2022   6:05 PM Signed1	Visit Summary	Report	Images	Report Summary	A
Create an account Hello, Brendan Klein! You can see your entire visit history and access all the features if you create an account. It should take less than 2 minutes. GET STARTED	Confirm	e radiologist t cknowledge th	o your referring at you have red	a Lay Letter) is provide provider. The report s eived your Report Sur	summa

If <u>PPLayLetterConfirmationRequired</u> is not active, the system will (implicitly) document that the patient has acknowledged viewing the document via the portal as soon as they have authenticated the Smart Link by confirming their date of birth to access their Lay Letter or have directly logged in to the Patient Portal and clicked the Lay Letter tab.

If access to the electronic correspondence has been confirmed, the BAT task will automatically be cancelled.



Note that the related *FEATURE #32503* will introduce Accessed & Confirmed columns in a future release to allow reviewing the status of the Lay letter confirmation workflow.

## **Known Limitations**

The following significant limitations have been identified and should be communicated to affected users:

- BUG #32392 will also introduce three related settings in a future release to allow customization of the verbiage for Lay Letter workflow.
- FEATURE #32503 will introduce Accessed & Confirmed columns in a future release to allow reviewing the status of the Lay Letter confirmation workflow.



Carefully review all Known Limitations identified here and in the release notes of all other versions being applied and communicate relevant items to all those affected.

## **Configuration Instructions**

System Administrators must complete the following actions to enable this feature and Service Team assistance is required for some actions:

### **RIS Client**

### Changes to DeliveryMethod Lookup Table

- In order to assign preferred delivery methods to a patient, first configure the delivery type and distribution method codes for those types:
  - Set each Delivery Type Code to Patient (Patient Delivery Type)

• Map each delivery type to its corresponding Distribution Method Code.

-	1 1	Email	Email Link	06-06-2022 02:35 PM Y
	Delivery Type Code	Delivery Method Type Code		
	Patient (Patient delivery type)	1		
*				Click here to add a new row
Þ	3 1	Mail	Print	06-06-2022 02:35 PM Y
Þ	4 1	SMS	SMS Link	06-06-2022 02:35 PM Y
Þ	5 1	Print & Email	Print and Email Link	06-06-2022 02:35 PM Y
Þ	6 1	Print & SMS	Print and SMS Link	06-06-2022 02:35 PM Y

### Changes to ScanType Lookup Table

• If not already created, create an **Exam**-level scan type with the Scan Type Code, LayLetter, and assign this Scan Type Code to LayLetterScanType.

### Changes to RIS SystemConfig Lookup Table

- Configure DaysForBackupLayLetterViaMail to the length of time the patient has to acknowledge the receipt of their lay letter before a print job will be created on the Distribution History WL in Hold status.
- Configure InboundRADARMessageFilter to filter for incoming Lay Letter 'received' messages so that delivery confirmations are updated on the Distribution History WL.
- Configure LayLetterDistributionMethod by priority.
- Configure LayLetterScanType to the scan type the document will be assigned when associated to the patient.

The following related settings were added or updated:

Setting	Default	Purpose
DaysForBackupLayLetterViaMail	Value=Days as Integer, Set to [≤ 0] to disable, Default=[-1]	Number of days after a Lay Letter is distributed via SMS or Email upon which the Lay Letter will be printed for mailing when there is not a record of the patient digitally accessing their results. When disabled, no Print copy will be generated. Added in v3.2022.6.20 #3168
InboundRADARMessageFilter	Value=CSV as String [RIS APPOINTMENT SUMMARY RIS QUICK MESSAGE UM Alert SecurePIC Report Delivery Schedule Alert Good Faith Estimate Lay Letter], Default=[RIS QUICK MESSAGE,SecurePIC,RIS APPOINTMENT SUMMARY,UM Alert,Report Delivery,Good Faith Estimate,Lay Letter]	Message notification type filter for RADAR inbound message processing. When blank, all inbound message notifications will be processed. Updated in v3.2022.6.20 #15357, #31029, #31477
LayLetterDistributionMethod	Value=Ordered JSON list as String [from DistributionMethod lookup table], Default=["Use Preferred Delivery", "SMS Link", "Email Link", "Print and SMS Link", "Print and Email Link", "Print"]	Preferred distribution methods for Lay Letter. If most preferred method is unavailable, the next on the list will be tried until a valid delivery method is found. Note: Click Value to open custom editor. Added in v3.2022.6.20 #31279
LayLetterScanType	Value=Active "Scan Type Code" value as String [from ScanTypes lookup table], Default=[LayLetter]	Scan Type Code value that represents a Lay Letter. Added in v3.2022.6.20 #31465
PPLayLetterConfirmationRequired	Value=Boolean, Default=[FALSE]	When [True] a Confirm section allows the patient to acknowledge that they have viewed their report via the portal. When [False] the Confirm section will be hidden. Added in v3.2022.6.20 #31465



Note that the related  $B\cup G$  #32392 will also introduce three related settings in a future release to allow customization of the verbiage for Lay letter workflow.

### Changes to RIS AccessString Lookup Table Settings

• Grant permissions as necessary.

The following related settings were added or updated:

Setting	Default	Purpose
Config.LookupEditor.BATCollection	Value=[None Full], Default=[None]	Controls access to the "BATCollection" lookup table editor. Added in v3.2022.6.20 #31786
Config.LookupEditor.ScanTypeGroup	Value=[None Full], Default=[None]	Controls access to the "ScanTypeGroup" lookup table editor. Added in v3.2022.6.20 #30921

# RESOLVED ISSUES AND KNOWN LIMITATIONS

## Resolved Issues

This release resolves the following issues:

Redmine #	Subject
28614	Resolved Worklist Filtering issue where inactive procedure modifiers could be chosen when editing billing codes.
28886	Resolved Scheduling issue where appointment search results differed when searching with vs without a Patient ID.
28938	Resolved Registration issue where Checking In a patient with no carrier present returned an error.
29557	Resolved Worklists issue where an Edit Reminder action was not refreshing the worklist.
30226	Resolved Scheduling issue where maximum procedure duration was limited to 200 minutes (now 300).
31146	Resolved Prov Admin – User Messages issue where Exams with a UM status of pending approval would go to "Call the call center" message instead of approval screen when not configured in the procedure picker
31425	Resolved Prov Admin - User Management: Edit issues adding, deleting, or updating Proxy in RP Admin.
31713	Resolved Scanning - Image Recognition issue where image recognition data was not refreshed when the image was cropped.
32220	Resolved Registration issue where removing a procedure code via black X returns an error when a preferred Radiologist exists.
32246	Resolved Scheduling issue where double-clicking the appointment Search button initiated two appointment search calls.
32258	Resolved IVT / Precert issue where RIS froze opening the View/Edit screen with AutoAuth Enabled.
32277	Resolved Scheduling issue where Appointment Search details differed from Summary when using Search by Distance and Include Unavailable and scheduling more than one procedure together.
32499	Resolved Scheduling issue where deleting Order A for an order A and B via red X returned an error.

## **New Known Limitations**

The following new Known Limitations were identified with this release:

- BUG #32392 will also introduce three related settings in a future release to allow customization of the verbiage for Lay Letter workflow.
- FEATURE #32503 will introduce Accessed & Confirmed columns in a future release to allow reviewing the status of the Lay Letter confirmation workflow.

# VERSION DETAILS

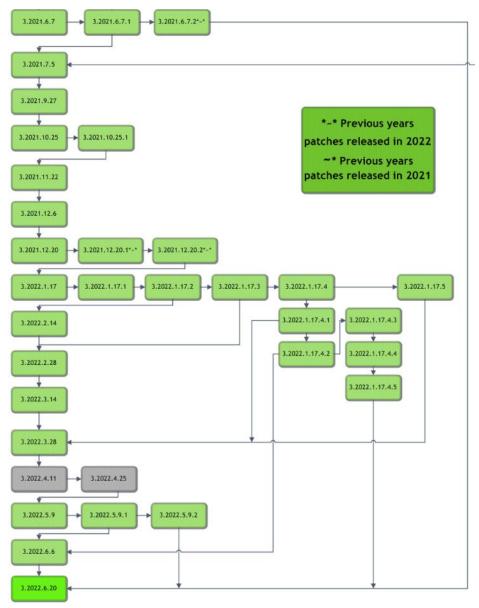
# Package Contents

The release package includes the following folders:

퉬 @Hotfixes	4/20/2012 8:51 AM
Documentation	7/20/2022 5:13 PM
] _ReleaseNotes	7/21/2022 3:15 PM
🕌 Client Application	7/20/2022 5:11 PM
🕌 DB	7/20/2022 5:12 PM
📙 External WebAPI	7/20/2022 5:11 PM
🕌 Identity Service	7/20/2022 5:11 PM
📙 Management Reports	7/20/2022 5:11 PM
퉬 PACS Citrix Bridge	7/20/2022 5:12 PM
🕌 RIS Service	7/20/2022 5:11 PM
퉬 Service Tools	7/20/2022 5:13 PM
퉬 Web Digital Forms	7/20/2022 5:12 PM
퉬 Web Patient Connect	7/20/2022 5:12 PM
🕌 Web Referring Connect	7/20/2022 5:13 PM
🕌 Web UM Connect	7/20/2022 5:13 PM
🎒 Build_2022.6.20.zip	7/20/2022 5:14 PM
😼 RISServerMasterCert.pfx	3/31/2016 1:38 PM

## Code Stream

The following source code branches have been merged into this release:



Legend:

Light Green = Previously Released software Gray = Internal version, non-release version Bright Green = Current Release

## eRAD RIS Release Version Numbers

The following table details the version identifiers for components in this release:

Build	Patch	<b>UI Version</b>	Core Version	WS Version	DB Version	Digital Forms	Patient Portal	UM Portal	Provider Portal	Notes
2021.6.7	-	3.21.6.7(3GB)	3.21.6.7	3.21.6.7	3.21.6.7.002898418	3.21.6.7	3.21.6.7.0.1234	3.21.6.7.0.1234	3.21.6.7.0.1234	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.6.7	1	3.21.6.7.1(3GB)	3.21.6.7.1	3.21.6.7.1	3.21.6.7.102961651	3.21.6.7.1	3.21.6.7.1.1262	3.21.6.7.1.1262	3.21.6.7.1.1262	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.6.7	2	3.21.6.7.2(3GB)	3.21.6.7.2							GUI
2021.7.5	-	3.21.7.5(3GB)	3.21.7.5	3.21.7.5	3.21.07.5.002970391	3.21.7.5	3.21.7.5.0.1266	3.21.7.5.0.1266	3.21.7.5.0.1266	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.9.27		3.21.9.27(3GB)	3.21.9.27	3.21.9.27	3.21.9.27.003025038	3.21.9.27	3.21.9.27.0.1280	3.21.9.27.0.1280	3.21.9.27.0.1280	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.10.25	-	3.21.10.25(3GB)	3.21.10.25	3.21.10.25	3.21.10.25.003071251	3.21.10.25	3.21.10.25.0.1317	3.21.10.25.0.1317	3.21.10.25.0.1317	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.10.25	1	3.21.10.25.1(3GB)		3.21.10.25.1		3.21.10.25.1				Portals
2021.11.22		3.21.11.22(3GB)	3.21.11.22	3.21.11.22	3.21.11.22.003102803	3.21.11.22	3.21.11.22.0.1346	3.21.11.22.0.1346	3.21.11.22.0.1346	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.12.6	-	3.21.12.6(3GB)	3.21.12.6	3.21.12.6	3.21.12.6.003112661	3.21.12.6	3.21.12.6.0.1352	3.21.12.6.0.1352	3.21.12.6.0.1352	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.12.20	-	3.21.12.20(3GB)	3.21.12.20	3.21.12.20	3.21.12.20.003133170	3.21.12.20	3.21.12.20.0.1360	3.21.12.20.0.1360	3.21.12.20.0.1360	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.12.20	1	3.21.12.20.1(3GB)	3.21.12.20.1	3.21.12.20.1	3.21.12.20.103170667	3.21.12.20.1	3.21.12.20.1.1366	3.21.12.20.1.1366	3.21.12.20.1.1366	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.12.20	2	3.21.12.20.2(3GB)	3.21.12.20.2							GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2022.1.17	-	3.22.1.17(3GB)	3.22.1.17	3.22.1.17	3.22.1.17.003185028	3.22.1.17	3.22.1.17.0.1382	3.22.1.17.0.1382	3.22.1.17.0.1382	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2022.1.17	1	3.22.1.17.1(3GB)	3.22.1.17.1	3.22.1.17.1		3.22.1.17.1				GUI and Web Services
2022.1.17	2	3.22.1.17.2(3GB)	3.22.1.17.2							GUI only
2022.1.17	3	3.22.1.17.3(3GB)	3.22.1.17.3	3.22.1.17.3						GUI and Web Services only
2022.1.17	4	3.22.1.17.4(3GB)	3.22.1.17.4							GUI only
2022.1.17	4.1	3.22.1.17.4.1(3GB)	3.22.1.17.4.1							GUI only
2022.1.17	4.2	3.22.1.17.4.2(3GB)	3.22.1.17.4.2	3.22.1.17.4.2	3.22.1.17.4.203367866					GUI only, Web Services and DB
2022.1.7	4.3						3.22.1.17.4.3	3.22.1.17.4.3	3.22.1.17.4.3	Portals only, first rapid release
2022.1.7	4.4	3.22.1.17.4.4(3GB)	3.22.1.17.4.4	3.22.1.17.4.4			3.22.1.17.4.4	3.22.1.17.4.4	3.22.1.17.4.4	GUI, Web Services and Portals
2022.1.7	4.5	3.22.1.17.4.5(3GB)	3.22.1.17.4.5							GUI
2022.1.17	5	3.22.1.17.5(3GB)	3.22.1.17.5	3.22.1.17.5						GUI and Web Service
2022.2.14	-	3.22.2.14(3GB)	3.22.2.14	3.22.2.14	3.22.2.14.003205179	3.22.2.14	3.22.2.14.0.1394	3.22.2.14.0.1394	3.22.2.14.0.1394	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2022.2.28	-	3.22.2.28(3GB)	3.22.2.28	3.22.2.28	3.22.2.28.003233569	3.22.2.28	3.22.2.28.0.1403	3.22.2.28.0.1403	3.22.2.28.0.1403	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2022.3.14	-	3.22.3.14(3GB)	3.22.3.14	3.22.3.14	3.22.3.14.003266996	3.22.3.14	3.22.3.14.0.1410	3.22.3.14.0.1410	3.22.3.14.0.1410	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2022.3.28	-	3.22.3.28(3GB)	3.22.3.28	3.22.3.28	3.22.3.28.003295497	3.22.3.28	3.22.3.28.0.1428	3.22.3.28.0.1428	3.22.3.28.0.1428	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2022.4.11	-	3.22.4.11(3GB)	3.22.4.11	3.22.4.11	3.22.4.11.003326062	3.22.4.11	3.22.4.11.0.1436	3.22.4.11.0.1436	3.22.4.11.0.1436	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2022.4.25	-	3.22.4.25(3GB)	3.22.4.25	3.22.4.25	3.22.4.25.003341901	3.22.4.25	3.22.4.25.0.1441	3.22.4.25.0.1441	3.22.4.25.0.1441	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2022.5.9	-	3.22.5.9(3GB)	3.22.5.9	3.22.5.9	3.22.5.9.003343130	3.22.5.9	3.22.5.9.0.1450	3.22.5.9.0.1450	3.22.5.9.0.1450	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2022.5.9	1	3.22.5.9.1(3GB)	3.22.5.9.1							GUI Only
2022.5.9	2	3.22.5.9.2(3GB)	3.22.5.9.2	3.22.5.9.2			3.22.5.9.2	3.22.5.9.2	3.22.5.9.2	GUI Web Services and Portals
2022.6.6	-	3.22.6.6(3GB)	3.22.6.6	3.22.6.6	3.22.6.6.003381845	3.22.6.6	3.22.6.6.0.1469	3.22.6.6.0.1469	3.22.6.6.0.1469	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2022.6.20	-	3.22.6.20(3GB)	3.22.6.20	3.22.6.20	3.22.6.20.003432703	3.22.6.20	3.22.6.20.0	3.22.6.20.0	3.22.6.20.0	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms