



eRAD RIS

CUSTOMER RELEASE NOTES

Build v3.2021.4.12

UPDATED APRIL 24, 2021

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Publication History

Revision	Author	Description
April 24, 2021	Kevin Brooks / Hilary Saltmarsh	<ul style="list-style-type: none"> Commercial release.

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.

Who Is Affected

This release of eRAD RIS v3.2021.4.12 includes both feature enhancements and a variety of resolved issues.

Changes include enhancements to Scheduling, Utilization Management, Worklists, and Portals, and includes updated zip code tables for US customers.

This version contains new features and bug fixes that are recommended to be applied on eRAD RIS v3.2021.2.15.6 and eRAD RIS v3.2021.3.15 installations.



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.

NEW SETTINGS

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

RIS

Changes to Access Strings

The following settings were added or updated with this release:

Setting	Default	Purpose
Portal.Patient.Admin.ConfigAccess	Value=[None Full], Default=[None]	Controls access to the "App Config and Override" screen in the Patient Portal. Added in v3.2021.04.12 #29542.
Portal.Referring.Admin.ConfigAccess	Value=[None Full], Default=[None]	Controls access to the "App Config and Override" screen in the Provider Portal. Added in v3.2021.04.12 #29542.
Portal.UM.Admin.ConfigAccess	Value=[None Full], Default=[None]	Controls access to the "App Config and Override" screen in the UM Portal. Added in v3.2021.04.12 #29542.

Changes to SysConfig Settings

The following settings were added or updated with this release:

Setting	Default	Purpose
AllowedCrossRoomSchedulingModalityTypes	Value=CSV as String, Default=Blank	Comma separated list of modality types that permit scheduling of multiple procedures for the same modality type across multiple rooms. Other modality types continue to restrict multiple procedures for the same modality type to a single room. Updated in v3.2021.4.12 #29320.

NEW FEATURES

Scheduling

Feature #8983 - Audit logging of the source of scheduling timeslots

Summary

This enhancement to Scheduling introduces new audit logging to differentiate when the time and date of a scheduled appointment was manually selected rather than the date and time returned by the RIS search results.

This can be helpful for troubleshooting: if an appointment is scheduled in an undesirable time slot, it will now be possible to easily determine whether configuration needs to be adjusted or if a staff member with manual booking permissions needs further training or access restrictions.

With this change, new and rescheduled appointments will:

- add a `Time slot selected from search results` audit record when the saved study's scheduled start date matches the time slot selected from search results.
- add a `Time slot manually selected` audit record for any *other* method of date/time entry.

If the scheduler selects an option from the search results, but then manually adjusts the date/time, this will result in a single audit entry of `Time slot manually selected`.

The audit messages are viewable in the audit history at the study level.

Filters					
<input type="radio"/> Patient	<input type="radio"/> Order	<input checked="" type="radio"/> Study	<input type="checkbox"/> Include retrievals		
Date	Action	Description	User	Linked	
Equals: ▼	Contains: ▼	Contains: ▼	Contains: ▼	Equals: ▼	
▶ 03-18-2021 13:04	Time slot selected from search results		Kindel, Gary (gary)		
03-18-2021 13:04	Study scheduled	Study updated	Kindel, Gary (gary)		
03-18-2021 13:04	Study scheduled	Time slot selected from search results	Kindel, Gary (gary)		
03-18-2021 13:04	Study scheduled	Visit updated	Kindel, Gary (gary)		

Configuration Instructions

No System Administrator actions are necessary to enable this feature.

Feature #29320 - Support for cross-room scheduling by modality type

Summary

This enhancement to Scheduling introduces an option for the scheduling search to present time slot options where two or more procedures of the same modality type for the same patient are scheduled in two different rooms. This option can be configured for specified modality types, while limiting search results to a single room for all other modality types.

Previously, RIS intentionally did not provide time slots for back-to-back scheduling of any two procedures in different rooms for the same modality type. This behavior was disabled in RIS version 3.2018.5.6, but is now re-enabled as the default behavior.

Background

Prior to RIS version 3.2018.5.6, scheduling search results were limited to within a single room for exams of the same modality type. Under normal circumstances, this is desirable because it is not efficient to perform the patient's first exam in one room and then move the patient to a different technologist and different room for their second exam when it is possible to do both in the same room with the same equipment and the same technologist.

However, this restriction did not allow for a scheduling solution where the patient would have one study in modality room A, then be moved to room B to have another study performed of the same modality type. For example, a schedule search for a patient having an MR Chest and an MR Knee would not present a solution where the MR Chest is scheduled in MR Room A, and the MR Knee in MR Room B. In some cases, there are scenarios where two procedures in the same modality type are never performed in the same room due to equipment, technologist skill sets, or other reasons. For example, an Ultrasound room in the Women's Imaging area of the imaging center may be reserved exclusively for Breast Ultrasound and a patient who also needs a Thyroid Ultrasound would have that done in a different room.

This behavior was changed in RIS version 3.2018.5.6 when #28182 was resolved. This change was intended to permit cross-room scheduling solutions when it was not possible (by scheduling template configuration) to perform both procedures in the same room.

Unfortunately, that change resurfaced the original issue where scheduling solutions would be presented that required patients to be transported between rooms of the same modality type when it was possible for the procedures to be performed in the same room.

Feature Description

With this change, the original RIS behavior of preventing back-to-back scheduling of any two procedures in different rooms for the same modality type has been re-enabled as the default behavior.

However, this behavior may now be overridden per modality type via a new `AllowedCrossRoomSchedulingModalityTypes` RIS System Configuration setting.

Please note that turning this setting on for a modality type will mean that any combination of procedures within that modality type will be eligible for time slot options that cross rooms. For example, a patient needing an Abdomen Ultrasound and a Pelvic Ultrasound could be presented with any of the following options:

- Abd – USRm1, Pel – USRm1
- Abd – USRm2, Pel – USRm2
- Abd – USRm1, Pel – USRm2
- Abd – USRm2, Pel – USRm1

Configuration Instructions

No System Administrator actions are necessary to enable this feature; however, optional configuration is available:

RIS Client

Changes to RIS System Configuration Settings

- Configure `AllowedCrossRoomSchedulingModalityTypes` to allow cross-table scheduling for desired modalities.

The following related settings were added or updated:

Setting	Default	Purpose
<code>AllowedCrossRoomSchedulingModalityTypes</code>	Value=CSV as String, Default=Blank	Comma separated list of modality type codes that permit scheduling of multiple procedures for the same modality type across multiple rooms. Other modality

		types continue to restrict multiple procedures for the same modality type to a single room. Updated in v3.2021.4.12 #29320
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AUC

A second stage of Appropriate Use Criteria (AUC) development is underway and new features are being added incrementally to support several new workflows that will enhance the basic AUC workflow that is currently available.

This functionality will be described at a later time when all of the related feature development is available. As incremental development is completed, a number of new Configuration Settings and Access Strings will be added to eRAD RIS. Because the features that are part of this incremental development effort are intended to be enabled together, please leave all new AUC Access Strings and System Configuration settings at their default setting, which will disable the features until the related development is available. The functionality of the entire second stage of AUC development will be described at that time.

Included in this release are AUC-related Features #29106, #29165, #24731, #24737, and #24746.



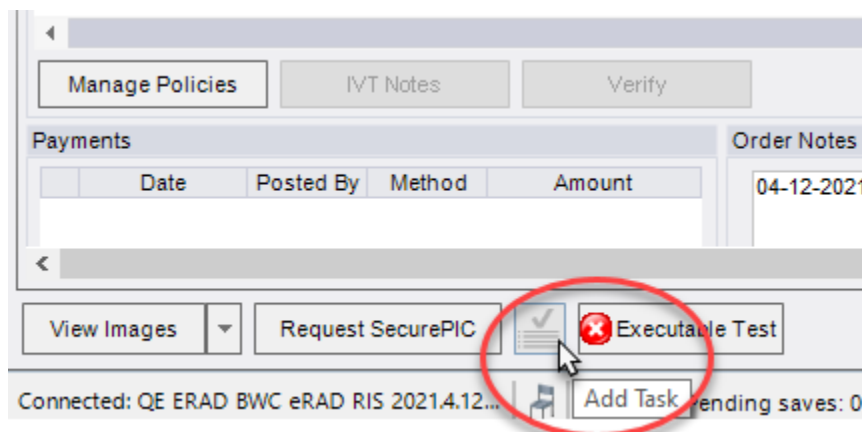
This is an incremental delivery item. As indicated in the New Settings section, please leave all related Access String and System Configuration settings at their default setting, which will disable the features until additional functionality is available.

Clinical Tasks

Feature #29510 - Ability to Add/Edit Clinical Tasks from View Study

Summary

This enhancement to Clinical Tasks adds the ability to access clinical tasks from the View Study screen.



Previously, the read-only View Study screen gave the appearance of being able to add a new task, but the task would not be saved.

With this change, users can add or edit Clinical Task data from the View Study screen as expected. The functionality is identical to the Clinical Task workflow from the dictation screens.

Configuration Instructions

No System Administrator actions are necessary to enable this feature.

Provider Portal & UM Portal

Feature #20214 - Support for user-friendly UM Resolution and UM Status descriptions

Summary

This enhancement to the Provider and Utilization Management Portals adds user-friendly descriptions for the UM Status and Resolution codes which can be displayed in the portals to assist ordering providers and medical groups in better understanding these statuses.

Previously, the portal displayed UM Status Code values, which were not always meaningful to the portal users, and the UM Resolution (on the UM order filter criteria filter) displayed a concatenation of UM status and UM Resolution.

With this change, the `UMStatus` and `UMResolution` RIS Lookup Tables have been updated to include `RP Friendly Description` and `Ump Friendly Description` columns where a user-friendly description can be configured.

Um Status Code	Description	Rp Friendly Description	Ump Friendly Description	Form Content
Contains:	Contains:	Contains:	Contains:	Contains:

The new `UMStatus` » `Ump Friendly Description` will now be displayed as the description for each portal, and `UMResolution` » `Description` will appear on the UM order filter criteria filter.

Configuration Instructions

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

RIS Client

Changes to UMStatus Lookup Table Settings

- Update the `RP Friendly Description` and `Ump Friendly Description` columns with user-friendly descriptions as desired.

Provider Portal

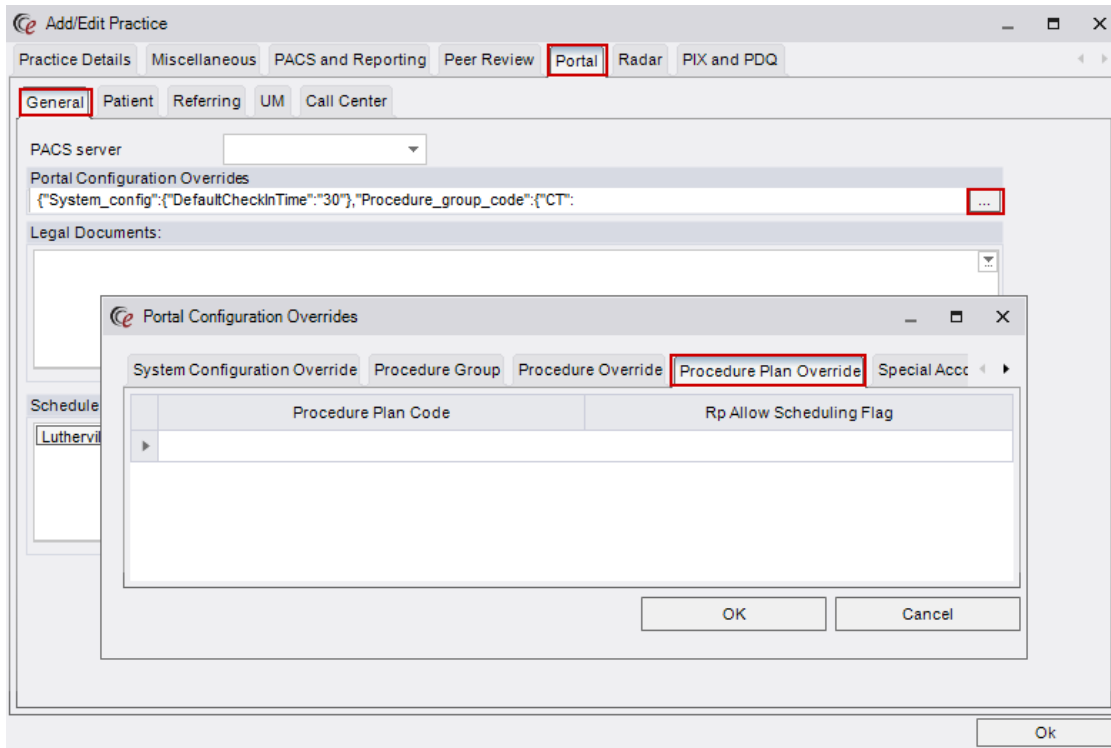
Feature #29272 - Option to disable Provider Portal scheduling per procedure plan

Summary

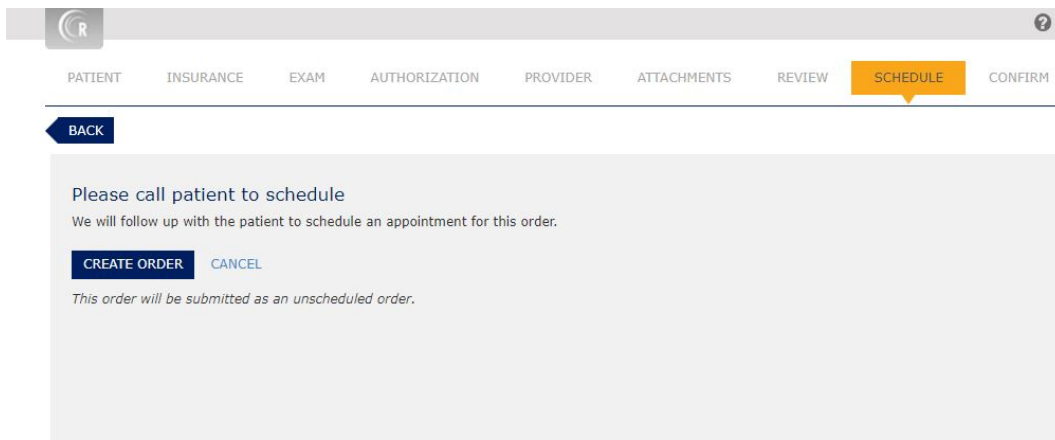
This enhancement to Provider Portal introduces the ability to disable Provider Portal scheduling of configured procedure plans.

Previously, Provider Portal scheduling could be disabled per procedure code.

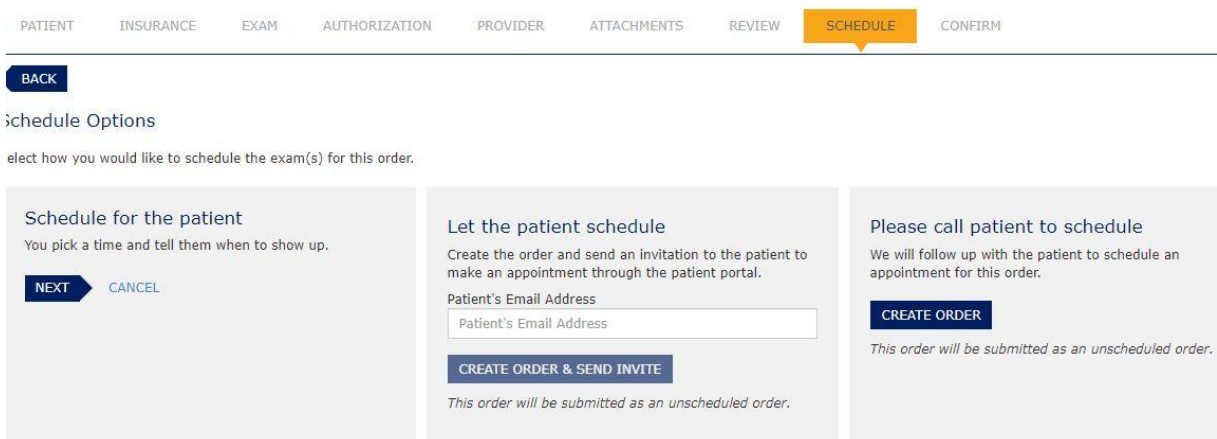
With this change, the `Organization` RIS System Configuration has been updated with a new `Procedure Plan Override` tab in the Organization Practice editor to support disabling scheduling for configured procedure plans.



When a **Procedure Plan Code** is added with the **Rp Allow Scheduling Flag** set to **N**, portal scheduling of that plan is disabled:



When omitted or set to **Y**, scheduling is available:



Configuration Instructions

No System Administrator actions are necessary to enable this feature.

RESOLVED ISSUES AND KNOWN LIMITATIONS

Resolved Issues

This release resolves the following issues:

Redmine #	Subject
23300	Resolved Provider Portal issue where the Order Provider name tooltip was incorrectly displaying the Imaging Group name.
23307	Resolved Provider Portal migration issue where ProviderAccountMigrationConfiguration.xml was in the incorrect folder.
23333	Resolved Provider Portal Create Order validation issue on Special Accommodations selection.
28645	Resolved Scheduling issue where the County field default was incorrect.
29130	Resolved Digital Forms - Drawing Tool issue where drawings in a digital form would not save at the order level.
29131	Resolved Client Install issue where switching from a pre-5.5 RIS installation was initiating an unnecessary upgrade.
29135	Resolved Insurance Management issue where the Eligibility Gender Code returned Male and Female rather than M and F.
29266	Enhanced database indexing performance for c_questionnaire_answer.
29373	Resolved Utilization Management issue where edited procedures were incorrectly re-activated on the UM screen.
29414	Improved performance querying materialized worklists.
29422	Resolved Radiology Reporting issue where the auto-feed workflow was skipping rows for previously cached cases.
29442	Resolved Billing issue where Issue where the Amount To Collect value was not saving.
29455	Resolved Provider Portal login issue where the Failed Login Count was not increasing.
29460	Resolved Patient Account Page issue where the Portal returns when retrieving the primary email address.
29469	Resolved Lookup Tables issue where inactive AUCPriorityClinicalArea codes from were incorrectly displayed.
29475	Resolved issue with service startup logging not reporting correct capture directory.
29492	Resolved Interfaces issue where Inbound Orders were failing due to a missing AUC null check.
29499	Resolved database issue where the Performed Modality Code was incorrectly updated for Scheduled exams.
29508	Enhanced database query performance when retrieving lookup table configuration notes.
29530	Resolved Radiology Reporting issue where RIS could hang when deleting portions of the report.
29552	Resolved Folders issue where Add to Folder returned an error when both order and study level items existed.
29555	Resolved RADAR issue where Radar Quick message failed for negative study_key values.
29559	Resolved Folders issue where Remove From Folder returned an error when both order and study level items existed.
29593	Resolved Digital Forms issue where contents were displaying on the current page rather than a new tab.

Redmine #	Subject
29595	Resolved IVT / Precert issue where Denied (Final) workflow was not correctly updating the PreCert Status.
29606	Resolved Utilization Management issue where UM required orders could be scheduled.
29619	Resolved Radiology Reporting issue where questionnaires in the Next workflow could return an error.
29620	Updated System Config description for ORPDaysUntilExpiry.
29636	Resolved Patient Portal performance issue retrieving C-CDAs.
29669	Resolved Provider Portal Order issue initializing the Hardship Exemption.
29766	Resolved Patient Demographics display issue where labels for Mobile and Alternate were not displaying.


















New Known Limitations

No new known limitations were identified with this release.

VERSION DETAILS

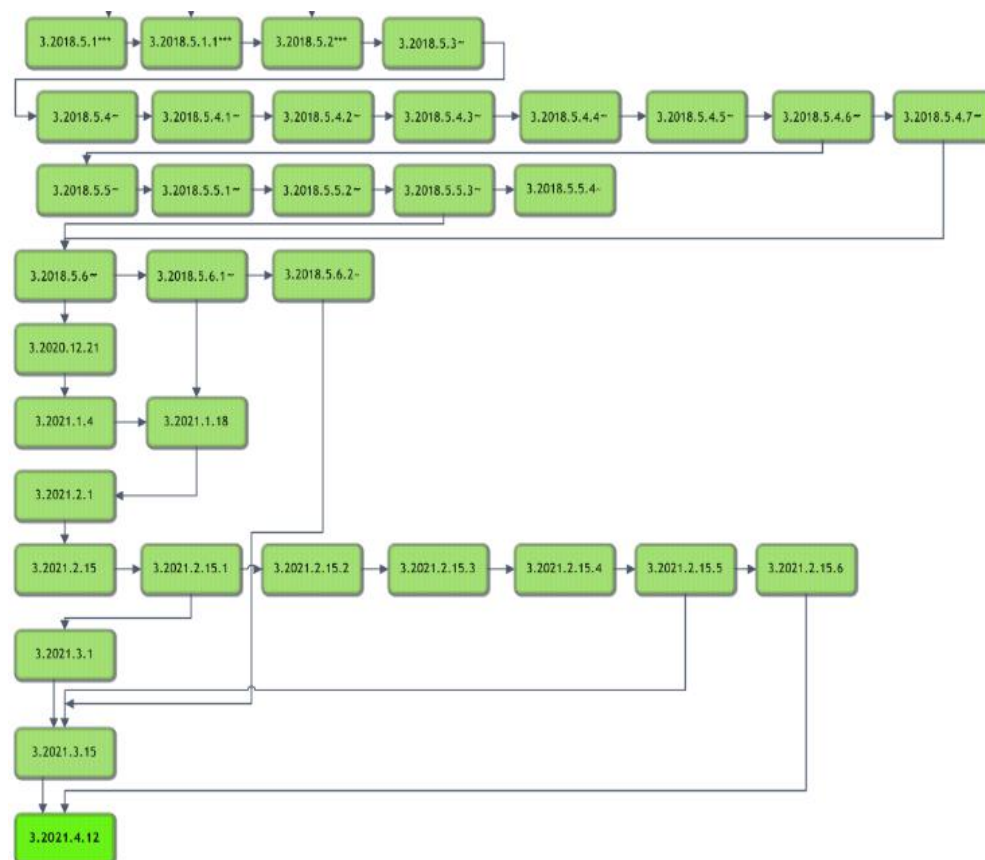
Package Contents

The release package includes the following folders:

 @Hotfixes	4/20/2012 8:51 AM
 _Documentation	4/23/2021 4:13 PM
 _ReleaseNotes	4/23/2021 4:57 PM
 Client Application	4/23/2021 4:10 PM
 DB	4/23/2021 4:11 PM
 External WebAPI	4/23/2021 4:11 PM
 Identity Service	4/23/2021 4:11 PM
 Management Reports	4/23/2021 4:11 PM
 RIS Service	4/23/2021 4:11 PM
 Service Tools	4/23/2021 4:20 PM
 Web Digital Forms	4/23/2021 4:12 PM
 Web Patient Connect	4/23/2021 4:13 PM
 Web Referring Connect	4/23/2021 4:13 PM
 Web UM Connect	4/23/2021 4:13 PM
 WebHelp	4/23/2021 4:11 PM
 Build_2021.4.12.zip	4/23/2021 4:16 PM
 RISServerMasterCert.pfx	3/31/2016 1:38 PM

Code Stream

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



~ Previous years patches released in 2020
*** = previous years patches released in 2019

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	UI Version	Core Version	WS Version	DB Version	Digital Forms	Patient Portal	UM Portal	Provider Portal	Notes
2018.5	4	3.18.5.4.0(3GB)	3.18.5.4.0	3.18.5.4.0	3.18.5.4.0.02214458	3.18.5.4.0	3.18.5.4.0.961	3.18.5.4.0.961	3.18.5.4.0.961	GUI, Web Services, DB, Patient/Provider/UM Portals and Digital Forms
2018.5	4.1	3.18.5.4.1(3GB)		3.18.5.4.1						GUI and Web Service
2018.5	4.2	3.18.5.4.2(3GB)		3.18.5.4.2						GUI and Web Service
2018.5	4.3			3.18.5.4.3						Web Service
2018.5	4.4	3.18.5.4.4(3GB)	3.18.5.4.4	3.18.5.4.4	3.18.5.4.4.02297855		3.18.5.4.4.982			GUI, Web Service, DB and Patient Portal Updates
2018.5	4.5	3.18.5.4.5(3GB)	3.18.5.4.5	3.18.5.4.5	3.18.5.4.5.02314967	3.18.5.4.5	3.18.5.4.5.988	3.18.5.4.5.988	3.18.5.4.5.988	GUI, Web Service, DB and Patient, Referring and UM Portal Updates
2018.5	4.6	3.18.5.4.6(3GB)	3.18.5.4.6	3.18.5.4.6	3.18.5.4.5.02314967	3.18.5.4.5	3.18.5.4.5.996	3.18.5.4.5.996	3.18.5.4.5.996	GUI, Web Service, Patient, Referring and UM Portal Updates
2018.5	4.7			3.18.5.4.7						Web Services only
2018.5	5	3.18.5.5(3GB)	3.18.5.5	3.18.5.5	3.18.5.5.0.02404209	3.18.5.5	3.18.5.5.0.1019	3.18.5.5.0.1019	3.18.5.5.0.1019	Full version release
2018.5	5.1	3.18.5.5.1(3GB)	3.18.5.5.1	3.18.5.5.1	3.18.5.5.1.02460669	3.18.5.5.1	3.18.5.5.1.1023	3.18.5.5.1.1023	3.18.5.5.1.1023	GUI, Web Services, DB, Patient/Provider/UM Portals and Digital Forms
2018.5	5.2	3.18.5.5.2(3GB)								GUI
2018.5	5.3	3.18.5.5.3(3GB)	3.18.5.5.3	3.18.5.5.3	3.18.5.5.3.02479332					GUI, Web Services, DB
2018.5	5.4	3.18.5.5.4(3GB)	3.18.5.5.4	3.18.5.5.4	3.18.5.5.4.02587388					GUI, Web Services, DB
2018.5	6	3.18.5.6(3GB)	3.18.5.6	3.18.5.6	3.18.5.6.0.02571320	3.18.5.6.0	3.18.5.6.0.1050	3.18.5.6.0.1050	3.18.5.6.0.1050	Full version release
2018.5	6.1	3.18.5.6.1(3GB)	3.18.5.6.1	3.18.5.6.1	3.18.5.6.1.02601339	3.18.5.6.1	3.18.5.6.1.1070	3.18.5.6.1.1070	3.18.5.6.1.1070	GUI, Web Services, DB, Patient/Provider/UM Portals and Digital Forms
2018.5	6.2	3.18.5.6.2(3GB)	3.18.5.6.2							GUI
2020.12.21	-	3.20.12.21.0(3GB)	3.18.5.6	3.20.12.21.0	3.20.12.21.0.02608693	3.20.12.21.0	3.20.12.21.0.897	3.20.12.21.0.897	3.20.12.21.0.897	Full version release
2021.1.4	-	3.21.1.4.0(3GB)	3.21.1.4				3.21.1.4.0.1075	3.21.1.4.0.1075	3.21.1.4.0.1075	GUI and Patient/Provider/UM portals
2021.1.18	-	3.21.1.18.0(3GB)	3.21.1.18	3.21.1.18.0	3.21.1.18.002652234	3.21.1.18.0	3.21.1.18.0.1081	3.21.1.18.0.1081	3.21.1.18.0.1081	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.2.1	-	3.21.2.1.0(3GB)	3.21.2.1	3.21.2.1.0	3.21.2.1.002672074	3.21.2.1.0	3.21.2.1.0.1090	3.21.2.1.0.1090	3.21.2.1.0.1090	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.2.15	-	3.21.2.15.0(3GB)	3.21.2.15	3.21.2.15.0	3.21.2.15.002698266	3.21.2.15.0	3.21.2.15.0.1111	3.21.2.15.0.1111	3.21.2.15.0.1111	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.2.15	1	3.21.2.15.1(3GB)	3.21.2.15.1	3.21.2.15.1		3.21.2.15.1	3.21.2.15.1.1113	3.21.2.15.1.1113	3.21.2.15.1.1113	GUI, Web Services, Patient/Provider/UM portals and Digital Forms
2021.2.15	2	3.21.2.15.2(3GB)	3.21.2.15.2	3.21.2.15.2		3.21.2.15.2	3.21.2.15.2.1122	3.21.2.15.2.1122	3.21.2.15.2.1122	GUI, Web Services, Patient/Provider/UM portals and Digital Forms
2021.2.15	3	3.21.2.15.3(3GB)	3.21.2.15.3							GUI
2021.2.15	4	3.21.2.15.4(3GB)	3.21.2.15.4	3.21.2.15.4	3.21.2.15.402738288	3.21.2.15.4	3.21.2.15.4.1133	3.21.2.15.4.1133	3.21.2.15.4.1133	GUI, Web Services, DB, Patient/Provider/UM portals and Digital Forms
2021.2.15	5	3.21.2.15.5(3GB)	3.21.2.15.5	3.21.2.15.5	3.21.2.15.502738557					GUI, Web Services and DB
2021.2.15	6	3.21.2.15.6(3GB)	3.21.2.15.6	3.21.2.15.6						GUI and Web Services
2021.3.1	-	3.21.3.1(3GB)	3.21.3.1	3.21.3.1	3.21.3.1.002712308	3.21.3.1	3.21.3.1.0.1119	3.21.3.1.0.1119	3.21.3.1.0.1119	GUI, Web Services, Patient/Provider/UM portals and Digital Forms
2021.3.15	-	3.21.3.15(3GB)	3.21.3.15	3.21.3.15	3.21.3.15.002747230	3.21.3.15	3.21.3.15.0.1144	3.21.3.15.0.1144	3.21.3.15.0.1144	GUI, Web Services, Patient/Provider/UM portals and Digital Forms
2021.4.12	-	3.21.4.12(3GB)	3.21.4.12	3.21.4.12	3.21.4.12.002778929	3.21.4.12	3.21.4.12.0.1167	3.21.4.12.0.1167	3.21.4.12.0.1167	GUI, Web Services, Patient/Provider/UM portals and Digital Forms