



eRAD RIS

CUSTOMER RELEASE NOTES

Build v3.2018.3.5

UPDATED MAY 28, 2021



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Publication History

Revision	Author	Description
May 28, 2021	Kevin Brooks / Hilary Saltmarsh	<ul style="list-style-type: none"> Documentation for 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 hotfix release of eRAD RIS v3.2018.3.5 includes a single feature enhancement and one resolved issue.

This version contains new features and bug fixes that are recommended to be applied on eRAD RIS v3.2018.3.4 installations.

NEW SETTINGS

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

RIS

Changes to SysConfig Settings

The following settings were added or updated with this release:

Setting	Default	Purpose
AlwaysShowSupervisingRadOnSummaryPanel	Value=Boolean, Default=[False]	When True, Supervising Radiologist will always display in the Summary panel in the reporting screens. Value is editable via context menu. Added in v2018.5.6 #26380

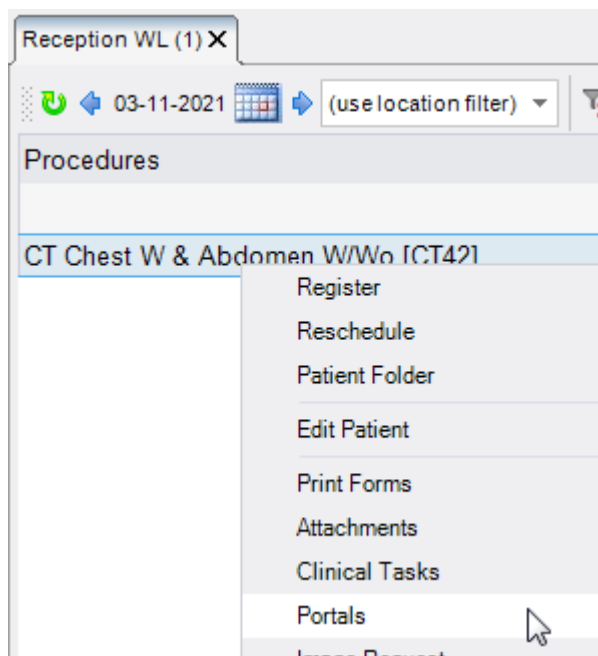
NEW FEATURES

Worklists

Feature #28401 - Add 'Portals' context menu to Schedule, Reception, and Technologist worklists

Summary

This enhancement Worklists to adds a new `Portals` context menu to the `Schedule`, `Reception`, and `Technologist` worklists, allowing quick access to the Portal Viewer.



Registration

Feature #20551, 29451, 29717 - Support an AZMA-based queue management system

Summary

This enhancement to RIS supports integration with a specific external queue management system. (AZMA-based queue management system)

Currently SZMC uses the AZMA-based queue management system that is used to page/summon the patient and direct them to certain rooms. The external system includes a loudspeaker-based announcement system, as well as large screen monitors in the patient waiting areas so that they can see their position in the queue.

With this change, eRAD RIS creates the queue number and sends various real-time actions to the external system causing it to page patients at the appropriate time. RIS will also display this queue number inside of RIS. The number generation algorithm is separately documented.

- At 12:00 am, RIS will create the queue numbers for all scheduled orders for the current day.

- RIS will then send HL7 study updates to AZMA with the queue numbers for each order.
- As a scheduled patient arrives, the receptionist will open the registration window and click on the AZMA button in RIS as per normal workflow. The registration WMI message will be sent to AZMA telling it the patient is performing registration at this time and will include the RIS-generated Queue number. In addition to the normal things AZMA does on this event, this will also cause AZMA to generate the queue sticker for the patient.

** If a walk-in patient arrives, the flow is similar, except that RIS will generate the appropriate queue number at this time as the receptionist clicks the AZMA button and will then pass the queue number as above in the registration WMI to AZMA to generate the stickers.

- When the registration is finished, the receptionist will click “Arrive” as per normal in RIS workflow. The Status of the study in RIS will be Arrived. RIS will call a Stored Procedure in the AZMA Q system to set the status to 0 – Arrived in RIS and AZMA
- The queue number should be displayed on the tech worklist using a patient alert note.
- The RIS needs to have a number of new right-click options in the tech worklist.
- The technologist will right-click and “Request patient”.
- An alert flag will change in RIS, so that the technologist can see that the patient was requested.
- In case the patient doesn’t respond, the technologist will need the ability to call the patient again. “Request patient” will remain in the context menu even after the patient is initially called.
- The technologist may have called the wrong patient. The technologist will right-click and select “Cancel request patient”.
- RIS will automatically call the AZMA stored procedure on these RIS status changes:
 - 0 – Arrived in RIS
 - 1 – Start exam
 - 5 – Exam suspended
 - 3 – Exam Done

Additionally, FEATURE #29717 adds support for excluding specified modalities from queue management.

With this change the nightly job will only generate queue numbers for studies which have modalities configured in the `z_azma_q_modality_info` table.

Technologist

Feature # 28396, 29788 - Auto-prompt to start the contrast timer when injection is signed

Summary

This enhancement introduces the ability to automatically display a prompt to start the contrast timer feature when the contrast injection is signed for specified procedure types.

The screenshot shows a window titled "Contrast Injection Details" with two checked checkboxes: "ID verified by injector" and "Injection signed". The "ID verified by injector" section shows "Verified by: Test User, Administrator (999) 999-9999" and "Verified date: 03-15-2021 10:47 AM". The "Injection signed" section shows "Signed by: Test User, Administrator (999) 999-9999" and "Signed date: 03-15-2021 10:50 AM". A "Start Contrast Timer" dialog box is overlaid on top, featuring a "Start Contrast Timer" title bar, a "30" value in a spinner box next to the text "Oral contrast duration" and "minutes", and "Start" and "Cancel" buttons.

With FEATURE #29788, checking the `Injection signed` checkbox from the `Perform Exam` or `View/Edit` window will display the `Start Contrast Timer` dialog for configured procedures. The contrast duration defaults to the duration of the procedure, but is adjustable in the dialog.

Once the timer is started and Perform Exam window is saved, the Technologist WL is updated, and the Contrast Timer column will display the duration and count down as the minutes pass.

With FEATURE #28396, the `ProcedureCode` lookup table now includes a new `auto_start_contrast_timer_flag` column that can be set to `Y` or `N`, to enable this automatic prompt for specific studies.

Configuration Instructions

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

RIS Client

Changes to Personnel RIS Lookup Table Settings

- Confirm the `Injection Physician` resource type is enabled for users requiring this workflow.

Changes to ProcedureCode RIS Lookup Table Settings

- Confirm `auto_start_contrast_timer_flag` is configured for appropriate procedures.

Radiology Reporting

Feature #28389 (Backport of #26380) - Option to always display Supervising Radiologist on Summary panel

Summary

This enhancement to Radiology Reporting introduces an option to always display the Supervising Radiologist label in Reporting Screens' Summary and Exam details panel.

Previously, when the dictation window was opened, and a supervising radiologist was already assigned, a hyperlink would appear allowing the user to change the supervising radiologist in the summary and details panel. However, if the supervising radiologist was not assigned before the dictation screen was opened, there was no way to change the supervising radiologist without closing the screen, setting the value and re-opening the screen.

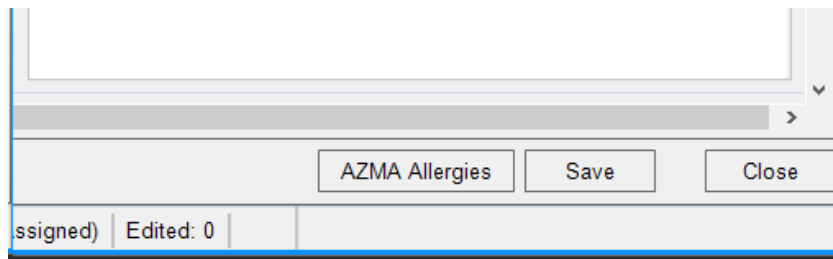
With this change, setting the new RIS System Configuration `AlwaysShowSupervisingRadOnSummaryPanel` to `True` will cause the Supervising Radiologist label to always appear, allowing its value to be modified from the panel via the `Edit` context menu option, even when blank.

UI Plugins

Feature #28395 - Support RIS to AZMA update of patient allergy information

Summary

This enhancement to UI Plugins introduces the ability to quickly open AZMA from RIS to allow patient allergy information to be added to AZMA. Upon completing the update, RIS will pull the allergy data back from AZMA and reload the screen as necessary.



Feature Description

With this change, a new `AZMA Allergies` button has been added to the `Perform Exam`, `Rad Reporting`, `Rad Transcription` (Editor) and `View Edit` screens.

Clicking the new `AZMA Allergies` button from the Perform Exam, or View Edit screen will prompt the user to save any changes, as these screens will be reloaded when the user is completed working in AZMA. This is not required from the Radiologist Reporting and Editor screens, as the the logic only updates the `c_patient_drug_allergy` table upon the user completing their work in AZMA.

Using the AZMA Stub UI and Interface in combination with the dev/testing channels, I was able to confirm that the AZMA Allergy button opens the "Patient" screen in our test stub and

Configuration Instructions

No System Administrator actions are necessary to enable this feature. The existence of the plug-in in the appropriate directory will cause it to appear dynamically.

RESOLVED ISSUES AND KNOWN LIMITATIONS

Resolved Issues

This release resolves the following issues:

Redmine #	Subject
28163	Resolved Radiology Reporting issue where the Report Assistant Save button click was not always recognized.
28195	Resolved Interfaces issue where studies are chosen incorrectly from AZMA Registration message.
28387	Resolved UI Input issue where spaces are not handled correctly with mixed English LTR and Hebrew RTL.
28400	Resolved issue where the 'Patient folder' context menu was not appearing on some statuses.
29725	Resolved UI Plugins issue to ensure Mirth gets correctly formatted dates.
29764	Resolved UI Plugins issue to ensure orders are sequenced by scheduled date.
29779	Resolved issue where Cancelling a study returned an error.























New Known Limitations

No new known limitations were identified with this release.

VERSION DETAILS

Package Contents

The release package includes the following folders:

 @Hotfixes	04/20/12 8:51 AM
 _Documentation	05/19/21 12:30 PM
 _ReleaseNotes	05/28/21 11:08 AM
 Client Application	05/19/21 12:28 PM
 DB	05/19/21 12:29 PM
 External WebAPI	05/19/21 12:28 PM
 Identity Service	05/19/21 12:28 PM
 Management Reports	05/19/21 12:28 PM
 Mirth Config	05/19/21 12:28 PM
 MWLServerConfig	05/19/21 12:28 PM
 PACS Citrix Bridge	05/19/21 12:29 PM
 RADAR Integration	05/19/21 12:18 PM
 RIS Service	05/19/21 12:28 PM
 Service Tools	05/19/21 12:34 PM
 Web Digital Forms	05/19/21 12:29 PM
 Web Patient Connect	05/19/21 12:30 PM
 Web Referring Connect	05/19/21 12:30 PM
 Web UM Connect	05/19/21 12:30 PM
 WebHelp	05/19/21 12:28 PM
 Build_2018.3.5_1192.7z	05/19/21 12:31 PM
 Build_2018.3.5_1192.zip	05/19/21 12:37 PM
 RISServerMasterCert.pfx	03/31/16 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	UI Version	Core Version	WS Version	DB Version	Digital Forms	Patient Portal	UM Portal	Provider Portal	Notes
2018.3	-	3.18.3(3GB)	3.18.3.0	3.18.3.0	3.18.3.0.01547822	3.18.3	N/A	N/A	N/A	Full Version Release. Including Patient, Provider and UM Portals
2018.3	1	3.18.3.1(3GB)	3.18.3.1	3.18.3.1	3.18.3.1.01693170	3.18.3.1	N/A	N/A	N/A	Full Version Release.
2018.3	2	3.18.3.2.0 (3GB)	3.18.3.2	3.18.30200.0	3.18.3.2.0.01905964	3.18.3.2	N/A	N/A	N/A	GUI, Web Service, DB updates
2018.3	3	3.18.3.3.0 (3GB)	3.18.3.3	3.18.30300.0	3.18.3.3.0.02152589	3.18.3.3	N/A	N/A	N/A	GUI, Web Service, DB updates
2018.3	4	3.18.3.4.0 (3GB)	3.18.3.4	3.18.30400.0						GUI and Web Service
2018.3	5	3.18.3.5.0 (3GB)	3.18.3.5	3.18.30500.0	3.18.3.5.0.02722430	3.18.3.5				GUI, Web Service, DB and Digital Forms
2018.4	-	3.18.4(3GB)	3.18.4.0	3.18.4.0	3.18.4.0.0.01654386	3.18.4	3.18.4.0.0.761	3.18.4.0.0.761	3.18.4.0.0.761	Full Version Release. Including Patient, Provider and UM Portals
2018.4	1	3.18.4.1.0(3GB)	3.18.4.1.0	3.18.4.1.0	3.18.4.1.0.01770771	3.18.4.1.0	3.18.4.1.0.806	3.18.4.1.0.806	3.18.4.1.0.806	GUI, Web Service, DB, Digital Forms and Portals
2018.4	1.1	3.18.4.1.1(3GB)	3.18.4.1.0	3.18.4.1.0	3.18.4.1.0.01770771	3.18.4.1.0	3.18.4.1.0.806	3.18.4.1.0.806	3.18.4.1.0.806	GUI only