

User Release Notes

for eRAD RIS
Version 2
Build 44.4

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1. Purpose

This document describes some of the new features and changes implemented in eRAD RIS as of the end of Sprint 44.4 and subsequent server releases. This version of eRAD RIS is referred to as Build 2.44.4

Only features which can be visually demonstrated to the user will be outlined in this document.

2. Intended Audience

This document is created by the RIS Development team for the RadNet RIS management team.

3. Installing/Accessing the Application

The installation guide for the eRAD RIS client have been posted to the RadNet Wiki page at <http://mdbal01rdtweb/Wiki/>

Under the RIS menu click on the rRIS page. The credentials to access the page are:

Username: rRIS

Password: Summerside

Please note that Build 2.44.4 is considered a new release of the application. It does not require a reinstallation of eRAD RIS. If users choose to reinstall, this is accomplished by navigating to the eRAD RIS shared installation drive and running the CoreInstall.bat file (ex: I:\RISDeployment\CoreInstall.bat)

If you experience difficulties accessing the application please do not hesitate to contact Darcy Noye with the PEI RIS Development Team.

4. Existing Access Strings Required for New Feature in B2.44.4

Setting Placeholder	Setting	Default	Purpose / Controls Access to
System Configuration	PatientPortalImageHoldPeriodDays	3	The number of days from the time the study is performed to the date that the patient will be able to see the images.
System Configuration	PatientPortalReportHoldPeriodDays	3	The number of days from the time a report is signed to the date that the patient will be able to see it.

5. New Features and Enhancements

Update Patient Insurance via Interface

Patient insurance information needs to come in via the interface. This was previously disabled during development of EMR workflow. In the most common cases an insurance will need to be attached to a visit based on a given accession number.

The interface now allows the incoming message to contain `c_patient_insurance` and `c_visit_x_patient_insurance` rows. This allows inbound message to add or update multiple insurance policies and associate one or more of them to the visit referred to in the message. The interface tries to look up the given insurance policy based on the policy number and carrier code, which are considered to be the minimum amount of criteria given. If a row is found for this patient is used, otherwise a new row is added. In order to link to the current visit a `c_visit_x_patient_insurance` row needs to be included in the message, otherwise the `c_patient_insurance` is only attached to the patient and not the visit.

The following message will create or update an insurance belonging to the patient and associate that insurance to the visit to which the study identified by the accession number belongs. The `patient_insurance_key` nodes (in blue) identify that this insurance policy should be attached to this visit, meaning the “Use” checkbox will be selected. If multiple insurances are contained in the message and should be attached to the visit then each must have a unique `patient_insurance_key` and a corresponding `c_visit_x_patient_insurance` node.

```
<StudyContainer MainAction="HL7_StudyUpdated">
  <Patient>
    <c_patient_insurance>
      <patient_insurance_key>1</patient_insurance_key>
      <carrier_code>0601053</carrier_code>
      <policy_number>B-88968</policy_number>
      <group_number>123</group_number>
    </c_patient_insurance>
  </Patient>
  <Visit>
    <c_visit_x_patient_insurance>
      <patient_insurance_key>1</patient_insurance_key>
    </c_visit_x_patient_insurance>
  </Visit>
</Study>
<c_study>
```

```
        <accession_number>1000710</accession_number>
      </c_study>
    </Study>
  </StudyContainer>
```

If the section of <Visit> doesn't exist or the node <c_visit_x_patient_insurance> doesn't exist the insurance policy will be added, but will not be used with the visit (Use checkbox will not be selected).

Note that the interface requires only policy_number and carrier_code nodes for the c_patient_insurance table, but it accepts all fields belonging to the c_patient_insurance table.

In addition to a specifying the accession number to associate the insurance other options exists, such as

- <patient_id> with <issuer_of_patient_id>
- <visit_number>

Ability to Cancel Outside Reads via Interface

eRAD RIS prevents some status changes via interface once the study is in ExamDone status. For outside reads received from another system we need to be able to cancel them.

The following HL7 main action will cancel a study in Exam Done, Exam Done (Tech Only) and Hold Code Complete status.

```
<StudyContainer MainAction="HL7_StudyCancelled">
  <Study>
    <c_study>
      <accession_number>1000853</accession_number>
    </c_study>
  </Study>
</StudyContainer>
```

Ability to Specify Person Address Key via Interface

In previous versions when a message with a referring physician was received we couldn't specify which address (if multiple) to use. With the node displayed below, the `<requested_by_address_key>` will assign the correct address to the study based on the address key.

```
<StudyContainer MainAction="HL7_StudyUpdated">
  <Patient>
  </Patient>
  <Visit>
  </Visit>
  <Order>
    <c_order>
      <_patient_id>10686</_patient_id>
      <_issuer_of_patient_id>system</_issuer_of_patient_id>
      <requested_by_person_key>20180</requested_by_person_key>
      <requested_by_address_key>23752</requested_by_address_key>
    </c_order>
  </Order>
  <Study>
    <c_study>
      <accession_number>1009942</accession_number>
    </c_study>
  </Study>
</StudyContainer>
```

Forms and Labels – Site Code added to Printing Criteria

The ability to filter the printing criteria of a form by site has been added. The column “site” works in same manner as the existing columns. By default all sites will be included in the printing criteria. The user will need to manually edit to filter the form by site.

Printing Criteria												
name	description	last updated	active	stat exam	action	carrier	carrier type	modality type	procedure	gender	practice	site
Contains:	Contains:	No filter:	Cont	Contains:								
ABN	Advanced Beneficiary Notice		Y	N	(none)	(all)	(all)	(all)	(all)	(all)	(all)	(all)

Figure 5.1 – Site filter added to Forms and Labels Printing Criteria

Multiple printing criteria rows can be added for each form if the action or availability of the form is different.

Patient Portal – Configurable Time for Reports and Images Availability

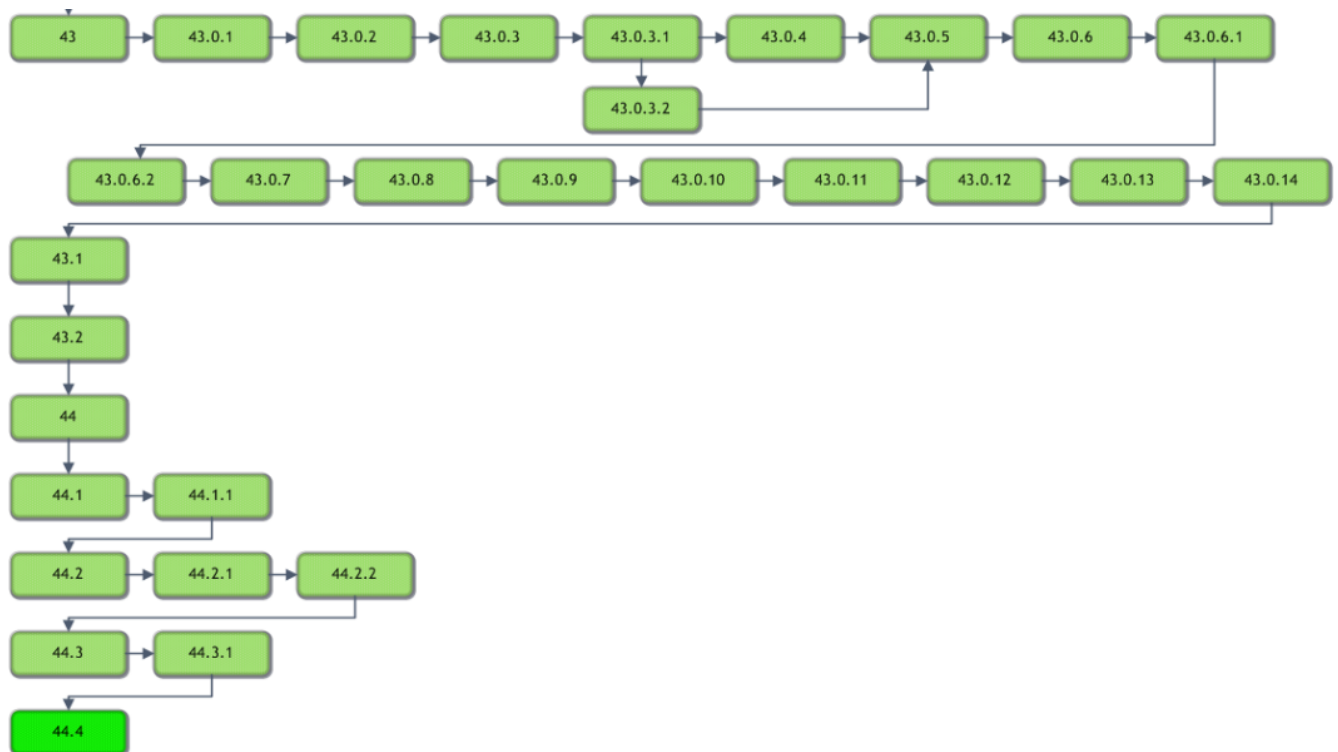
After a report is signed the report itself and the images associated with the report should be held from view for a specific time period via the Patient Portal.

We have introduced 2 new configuration settings to control how long the report and images will be withheld from view on the patient portal.

The system configuration setting of “**PatientPortalImageHoldPeriodDays**” with a default of 3 will determine the number in days from the time the study is performed that the patient will be able to view the images on the patient portal

The system configuration setting of “**PatientPortalReportHoldPeriodDays**” with a default of 3 will determine the number in days from the time the report is signed until the patient can view the report on the patient portal

6. Code Stream



Legend:

Light Green = Released software

Gray = Will not be released

Bright Green = Current Release

7. eRAD RIS Release Version Numbers

Build	Patch	UI Version	Core Version	WS Version	DB Version	Notes
43	-	2.43.0.0.23715(3GB)	2.43.0.0.23171	2.43.0.0.23715	2.43.0.0.23743	Full Version Release
43	1	2.43.0.1.23798(3GB)	2.43.0.0.23171	2.43.0.1.23798	2.43.0.1.23770	Gui.zip, Web Service, DB updates
43	2	2.43.0.2.24017(3GB)	2.43.0.0.23171	2.43.0.2.24017	2.43.0.2.24023	Gui.zip, Web Service, DB updates and Management Report Deployment
43	3	2.43.0.3.24298(3GB)	2.43.0.0.23171	2.43.0.3.24298	2.43.0.3.24283	Gui.zip, Web Service, DB updates and Management Report Deployment
43	3.1	2.43.0.3.24450(3GB)	2.43.0.0.23171	2.43.0.3.24298	2.43.0.3.24421	Gui.zip, and DB updates
43	3.2	2.43.0.3.24450(3GB)	2.43.0.0.23171	2.43.0.3.24298	2.43.0.3.24421a	DB updates
43	4	2.43.0.4.24447(3GB)	2.43.0.0.23171	2.43.0.4.24447	2.43.0.4.24442	Gui.zip, Web Service, DB updates and Management Report Deployment
43	5	2.43.0.4.24632(3GB)	2.43.0.0.23171	2.43.0.4.24632	2.43.0.4.24560	Gui.zip, Web Service and DB updates
43	6	2.43.0.4.24(3GB)	2.43.0.0.23171	2.43.0.4.24	2.43.0.4.24	Gui.zip, Web Service and DB updates
43	6.1	2.43.0.6.24937(3GB)	2.43.0.0.23171	2.43.0.6.24937	2.43.0.6.24914	Gui.zip, Web Service
43	6.2	2.43.0.6.24970(3GB)	2.43.0.0.23171	2.43.0.6.24970	2.43.0.6.24914	Gui.zip, Web Service
43	7	2.43.0.7.25258(3GB)	2.43.0.0.23171	2.43.0.7.25258	2.43.0.7.25226	Gui.zip, Web Service, DB updates and Management Report Deployment
43	8	2.43.0.8.25440(3GB)	2.43.0.0.23171	2.43.0.8.25440	2.43.0.8.25425	Gui.zip, Web Service, DB updates and Management Report Deployment
43	9	2.43.0.9.25477(3GB)	2.43.0.0.23171	2.43.0.9.25477	2.43.0.8.25425	Gui.zip and Web Service
43	10	2.43.0.9.25477(3GB)	2.43.0.0.23171	2.43.0.10.25477	2.43.0.8.25425	Web Service
43	11	2.43.0.11.25512(3GB)	2.43.0.0.23171	2.43.0.11.25512	2.43.0.8.25425	Gui.zip and Web Service
43	12	2.43.0.12.25554(3GB)	2.43.0.0.23171	2.43.0.12.25554	2.43.0.12.25536	Gui.zip Web Service and DB Updates
43	13	2.43.0.12.25610(3GB)	2.43.0.0.23171	2.43.0.12.25610	2.43.0.12.25536	Gui.zip and Web Service
43	14	2.43.0.14.25644(3GB)	2.43.0.0.23171	2.43.0.13.25610	2.43.0.12.25536	Gui.zip
43.1	-	2.43.1.0.25850(3GB)	2.43.0.0.23171	2.43.1.0.25850	2.43.1.0.25771	Gui.zip Web Service and DB Updates
43.2	-	2.43.2.0.26864(3GB)	2.43.0.0.23171	2.43.2.0.26864	2.43.1.0.25771	Gui.zip and Web Service
44	-	2.44.0.0.26570(3GB)	2.44.0.0.26405	2.44.0.0.26570	2.44.0.0.26475	Full Version Release
44.1	-	2.44.0.0.26984(3GB)	2.44.0.0.26405	2.44.0.0.26984	2.44.0.0.26906	Gui.zip, Web Service, and DB
44.1	1	2.44.1.1.27093(3GB)	2.44.0.0.26405	2.44.1.0.26984	2.44.1.0.26906	Gui.zip
44.2	-	2.44.2.0.27410(3GB)	2.44.0.0.26405	2.44.2.0.27410	2.44.2.0.27365	Gui.zip, Web Service, and DB
44.2	1	2.44.2.1.27959(3GB)	2.44.0.0.26405	2.44.2.1.27959	2.44.2.1.27909	Gui.zip, Web Service, and DB
44.2	2	2.44.2.1.27959(3GB)	2.44.0.0.26405	2.44.2.2.28094	2.44.2.1.27909	Web Service
44.3	-	2.44.3.0.28292	2.44.0.0.26405	2.44.3.0.28277	2.44.3.0.28138	Gui.zip, Web Service, and DB
44.3	1	2.44.3.1.28535(3GB)	2.44.0.0.26405	2.44.3.1.28535	2.44.3.0.28138	Gui.zip and Web Service
44.4	-	2.44.4.0.28762(3GB)	2.44.0.0.26405	2.44.4.0.28762	2.44.4.0.28676	Gui.zip, Web Server, DB, Management Report Deployment

8. Resolved Defects

Bugs Suggested Features and Support Issues resolved in build 2.44.4. The extract is taken from Redmine bug tracking system and only displays defects resolved in 2.44.4.

Bug #	Priority	Subject	Category	Found Version
10407	Normal	Dictations by User Report - update column header	Mgt Reports	2.44
10372	High	DTC exception when attempting to manually change status	Web Services/DB	44.3
10351	High	Insurance Eligibility - ?Edit Image Request? is setting the amount to collect to zero		44.3
10343	Normal	should not be able to view report or images until a release period has passed	Connect Patient Portal 1.x	1.0.0.0
10319	Normal	Edit Send to Job does not perform a referring doctor search	Document Distribution	2.44.3
10312	High	Reporting Radiologist - View menu will not display for radiologists if not granted access to some menu items	Radiology Reporting	2.44.3
9698	Normal	Operations \ OTC QA Report - Potential OTC doubling up	Mgt Reports	2.43.1
9675	Normal	Person address key cannot be specified directly on an inbound message	Interfaces	2.44
9656	Normal	conversion failed error when posting payment for sites with a "-" in the site_code	Web Services/DB	2.43
9634	High	Contrast is being deleted when View/Edit is opened	Scheduling	2.44.3
4612	Normal	IVT - add logic to retain the pre-cert when an exam requires pre-cert and is rescheduled if an expire date is entered NOTE: This feature was released in B44. Corrected issue with expiry date in B44.4	Thick Client GUI	2.44.1

9. Known Limitations

The following are Bugs Suggested Features and Support Issues found in build 2.44.4. Bugs reported in previous versions are not captured as Known Limitation in this document.

#	Status	Priority	Subject
10440	New	Normal	Error when adding a contrast to a Cancelled or Discontinued Procedure
10438	New	Normal	Error when deleting a contrast that has the Max Value exceeded