

# Release Notes

## eRAD RIS

## Version 2

## Build 2016.1

| Build  | Patch | UI Version           | Core Version   | WS Version     | DB Version     | Notes   |
|--------|-------|----------------------|----------------|----------------|----------------|---|
| 2016.1 | -     | 2.16.1.0.33419 (3GB) | 2.16.1.0.33079 | 2.16.1.0.33419 | 2.16.1.0.33416 | GUI.zip, Web Service, DB, Management Reports, Questionnaire and Citrix Bridge |

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## PURPOSE

This document describes some of the new features and changes implemented in eRAD RIS in build 2.2016.1

Not every feature will be described in this document. Typically only features which can be visually demonstrated to the user are outlined in this document.

## INTENDED AUDIENCE

This document is created by the eRAD RIS Development/Commercialization team for customers of eRAD RIS.

## 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

If you experience difficulties accessing the application, please contact Darcy Noye with the PEI RIS Development Team.

## NEW SETTINGS

## NEW ACCESS STRINGS

| Setting  | Default | Purpose  |
|--|---------|--|
| Clinical.ConnectAnswers.Edit   | None    | Controls the ability to edit Connect Answers via the RIS. The Connect Answers are the Patient provided answers to scheduling questions entered via the Patient Portal at the time of scheduling. |
| Clinical.CreateEditSendForDictation  | None    | Allows the user to send report for dictation from create/edit report screen  |
| Clinical.CreateReportFromExamDone  | None    | Allows the user to create/edit report from exam done status  |
| Clinical.FollowUp  | Full    | Controls access to the Mammo Follow Up screen  |
| Clinical.ImportStudies   | None    | Access to context menu for importing studies into an order   |
| Clinical.ImportStudies.AcrossEMRs  | None    | Access to importing studies into an order from a different EMR   |
| Clinical.Linkstudies   | None    | Access to the manual study linking screen.   |
| Clinical.PeerReview.MarkAsCompleted  | Full    | Allows the user to mark a peer review as completed   |
| Clinical.PingMessage   | None    | Controls access to the Ping message feature.   |
| Clinical.PreviewTerminatedReport   | None    | Controls access to previewing reports that have been terminated such as status like void and discontinued.   |
| Config.DigitalFormsEditor<br>Replaces<br>Config.QuestionnaireEditor                | None    | Controls access to the browser-based Digital Forms editor.   |
| Config.LookupEditor.Complication   | None    | controls access to the Complication lookup table   |
| Config.LookupEditor.CreatedBySystem  | None    | lookup table access for Created By System  |
| Config.LookupEditor.Personnel.ConfirmedRadiologistFlag                             | None    | Access to the edit or view the Confirmed Radiologist Flag  |
| Notification.PendingBiopsyNotify<br>Replaces<br>WLNotification.PendingBiopsyNotify | Full    | Enables ability to show worklist driven pending biopsy notifications   |

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|   |      |  |
|---|------|--|
| Notification.PendingSignatureWorklist<br>Replaces<br>WLNNotification.PendingSignatureWorklist         | Full | Enables ability to show worklist driven pending signature notifications  |
| Notification.STATPendingSignature<br>Replaces<br>WLNNotification.STATPendingSignature                 | Full | Enables ability to show STAT Case Pending Signature notifications  |
| Notification.STATPendingSignatureWorklist<br>Replaces<br>WLNNotification.STATPendingSignatureWorklist | Full | Enables ability to show worklist driven STAT Case Pending Signature notifications                                      |
| Notification.SuspendedNotify<br>Replaces<br>WLNNotification.SuspendedNotify                           | Full | Enables ability to show suspended notifications  |
| View.DigitalFormAnswers<br>Replaces<br>View.QuestionnaireAnswers                                      | None | Access to see the Digital Form Answers menu item from View menu (visible when dictate window is open on a mammo study) |
| View.SelectedDigitalFormAnswers   | Full | Access to see the Selected Digital Form Answers menu item from View menu (visible when dictate window is open)         |
| WL.Reception  | Full | Controls access to the Reception worklist under Front Desk menu  |

#### NEW SYSTEM CONFIGURATION SETTINGS

|  |  |   |
|--|--|---|
| BreastBodyPartCode                     |  | The code for the breast body part. May be used to activate mammo related functionality (e.g. Create Reminder)     |
| GoogleAPIKey                           |  | A Google Key use to connect to their WEB services for information such as getting geo coordinates for sites, etc. |
| MUMedlinePlusConnectProblemSearchICD10 | mainSearchCriteria.v.cs=2.16.840.1.113883.6.90 | MedlinePlus Connect Problem ICD-10 search specification.  |

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|   |   |  |
|---|---|--|
| MUMedlinePlusConnectProblemSearchICD9   | mainSearchCriteria.v.cs=2.16.840.1.113883.6.103   | MedlinePlus Connect Problem ICD-9-CM search specification.   |
| MUMedlinePlusConnectProblemSearchSNOMED | mainSearchCriteria.v.cs=2.16.840.1.113883.6.96  | MedlinePlus Connect Problem SNOMED search specification.   |
| MUMedlinePlusConnectProblemSearch       | Removed   | <p>Replaced with MUMedlinePlusConnectProblemSearchICD10</p> <p>MUMedlinePlusConnectProblemSearchICD9</p> <p>MUMedlinePlusConnectProblemSearchSNOMED</p>  |
| NPDServiceAddress                       |   | URI to NPD Service. If blank, we will use the address in the application config. An example URI is:<br><a href="http://10.10.1.23/NPDService/NPDService.asmx">http://10.10.1.23/NPDService/NPDService.asmx</a> |
| NPI_URL                                 | <a href="https://npiregistry.cms.hhs.gov/registry/search-results-table?first_name={firstname}&amp;last_name={lastname}">https://npiregistry.cms.hhs.gov/registry/search-results-table?first_name={firstname}&amp;last_name={lastname}</a> | URL to NPI registry including placeholders for {firstname} and {lastname}  |
| ReferringAddressCode                    | Removed   | <p>The referring practice address pattern was replaced with a referring doctor address editor.</p> <p>Therefore:</p> <p>references to ReferringAddressCode config needs to be removed.</p>                     |
| ReportingImpressionSectionStartText     | IMPRESSION  | Search string of text to mark the beginning of the impression section.   |
| ResetInsuranceVerifiedOnReschedule      | False   | Determines if insurance verified flag is reset when rescheduling a study   |

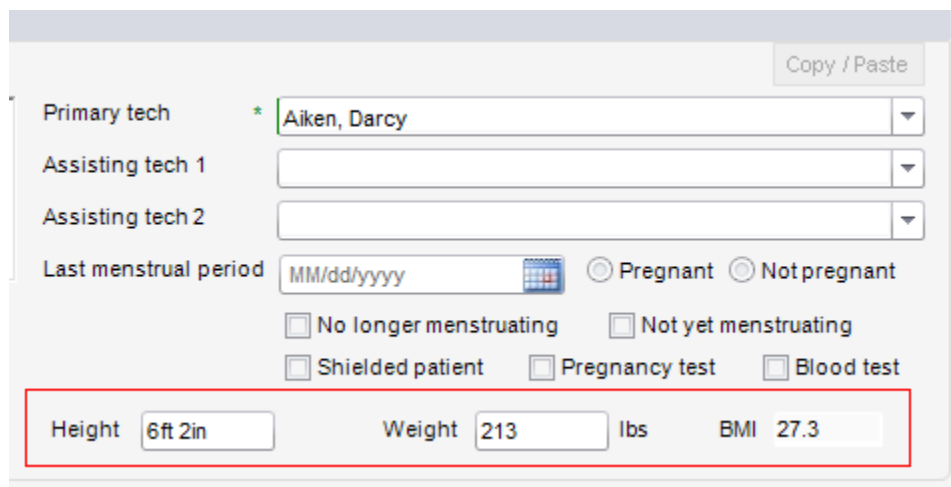
## CHANGES TO WEB SERVICES

Changes to Web services applicationsettings.config file:

| Setting             | Default value |  |
|---------------------|---------------|--|
| LegacyInterfaceMode | True          | Changes in 45, 45.1 and 2016.1 for some customers required interface files to be updated. This setting will allow pre-existing customers to continue to use their current interfaces without adjustment. |

**NEW FEATURES AND ENHANCEMENTS****TECHNOLOGIST****6477 - DISPLAY THE HEIGHT AND WEIGHT FIELDS ON THE TECH DOCUMENTATION SCREEN**

It was observed that at some sites the patient weight was being re-typed into the Order Notes field, to save the technologist from having to select the MU tab simply to see the weight. At other sites, the technologists were taking the extra time to select the MU tab to see the patient weight, or were simply ignoring this step to save time. Therefore, the patient weight, height, and BMI are now also displayed on the tech 'Documentation' tab to eliminate these extra steps.

A screenshot of a web-based form for technologist documentation. The form includes fields for 'Primary tech' (Aiken, Darcy), 'Assisting tech 1', and 'Assisting tech 2'. Below these are 'Last menstrual period' (MM/dd/yyyy) and radio buttons for 'Pregnant' and 'Not pregnant'. There are also checkboxes for 'No longer menstruating', 'Not yet menstruating', 'Shielded patient', 'Pregnancy test', and 'Blood test'. At the bottom, a red box highlights the 'Height' (6ft 2in), 'Weight' (213 lbs), and 'BMI' (27.3) fields. A 'Copy / Paste' button is located at the top right of the form.

Technologists can edit the height and weight here, and the values will be updated on the MU tab. BMI is calculated automatically based on the height and weight values.

**11031 - CREATE GFR CALCULATOR**

Glomerular filtration rate (GFR) is a test used to check how well the kidneys are working. Specifically, it estimates how much blood passes through the glomeruli each minute. Glomeruli are the tiny filters in the kidneys that filter waste from the blood.

To eliminate the need for technologists to navigate to an external website or application to calculate GFR, we now have the ability to add a conditional tab that will include a GFR calculator within RIS.



eGFR Calculator

Creatinine

Units
☐ mg/dL
☒ umol/L

Sex
☒ Male
☐ Female

Race
☒ Black
☐ Other

Age

**eGFR**
79 ml/min/1.73m<sup>2</sup>

*Conditional Tab showing GFR calculator*

The calculator uses the following logic:

For creatinine in  $\mu\text{mol/L}$ :

$$\text{eGFR} = 32788 \times \text{Serum Creatinine}^{-1.154} \times \text{Age}^{-0.203} \times [1.210 \text{ if Black}] \times [0.742 \text{ if Female}]$$

For creatinine in mg/dl:

$$\text{eGFR} = 186 \times \text{Serum Creatinine}^{-1.154} \times \text{Age}^{-0.203} \times [1.210 \text{ if Black}] \times [0.742 \text{ if Female}]$$

Creatinine levels in  $\mu\text{mol/L}$  can be converted to mg/dL by dividing them by 88.4. The 32788 number above is equal to  $186 \times 88.4^{1.154}$ .

**How to enable the feature:**

***External customers will be instructed to contact the eRAD Support team for assistance with enabling the GFR calculator.***

*eRAD Support:*

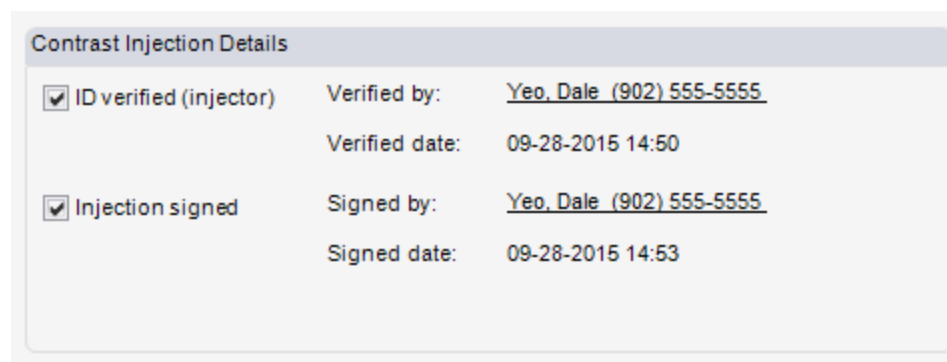
Use the [QuestionnaireUtil](#) command line utility to publish the calculator, which has been placed in source control under source\DigitalForms\GFR.xml.

Once deployed, use the Conditional Tabs editor in RIS to configure the calculator to be displayed for the desired screens/studies.

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11826 - DISPLAY THE USER ID (AND DATE) OF THE TECHNOLOGIST WHO VERIFIED THE ID BESIDE THE TECH VERIFIED ID CHECKBOX ON THE PERFORM EXAM SCREEN

eRAD RIS has the ability for the individual responsible for injecting contrast to indicate that they have verified the patient's ID. RIS will now display and store the name and date of the injection ID verification on the Exam Details tab within the Contrast Injection workflow. If configured to require a sign off by the Injection Physician, the name and date are similarly recorded in this section.



The screenshot shows a form titled "Contrast Injection Details". It contains two main sections, each with a checked checkbox and associated fields for user and date.

| Contrast Injection Details                                 |   |
|--|---|
| <input checked="" type="checkbox"/> ID verified (injector) | Verified by: <u>Yeo, Dale (902) 555-5555</u><br>Verified date: 09-28-2015 14:50 |
| <input checked="" type="checkbox"/> Injection signed       | Signed by: <u>Yeo, Dale (902) 555-5555</u><br>Signed date: 09-28-2015 14:53     |

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RADIOLOGIST

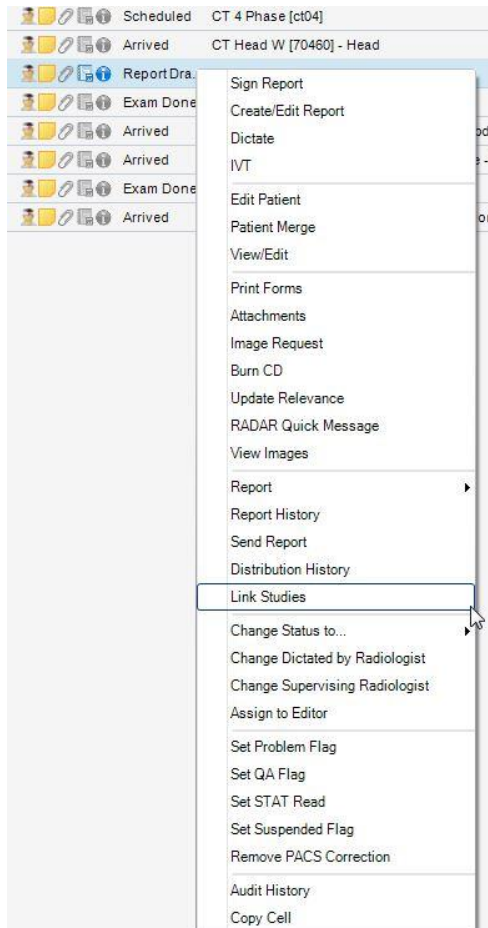
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10433 - VOICE ENABLED PICK LIST OPTIONS (M\*MODAL ONLY)

Pick List options are now voice enabled in M\*Modal dictation mode. A voice command can be created for each pick list option and the commands become available when the radiologist selects a picklist field. The cue takes the form of "pick" + display text of the pick list option. There is also a generic cue "pick option" + list position (1, 2, 3, etc.).

### 12334 - MANUAL LINK AND UNLINK STUDIES CONTEXT MENU

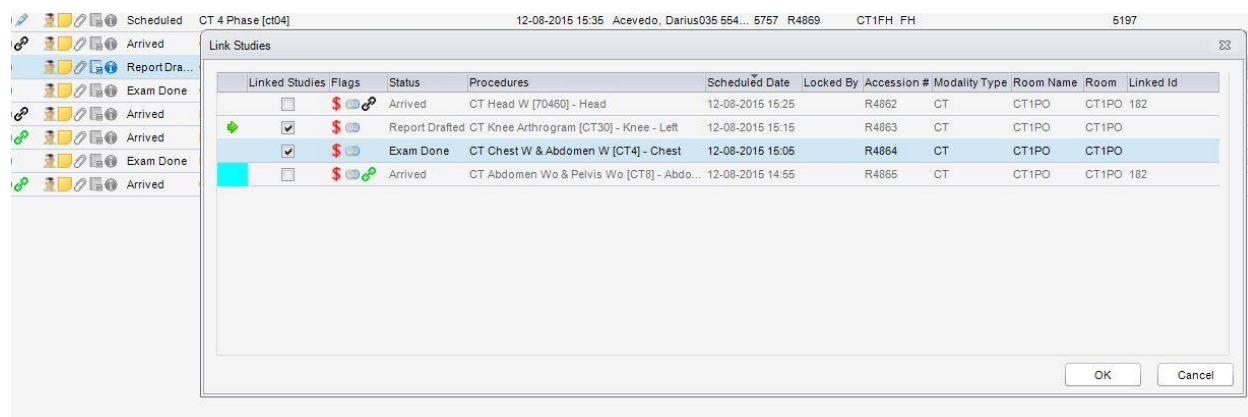
Previously, linked reporting in eRAD RIS could only be done when a Procedure Plan was used, and did not include the ability to manually link or unlink studies on demand. This prevented users from reporting on multiple exams together if they had not initially been scheduled/registered using the appropriate Procedure Plan. It is now possible to manually link or unlink exams in the Patient Folder via the right-click context menu option **Link Studies**. For this phase of linked reporting, the exams must be on the same Order to be eligible for linking.



The menu will only be available for exams which qualify as a primary study to link others into.

Manual linking can only occur prior to signing. Exams with existing interpretations cannot be linked into another primary study; they will first have to be reset to Exam Done.

When selecting the Link Studies option, the selected row in the Patient Folder will default as the Primary Study. The following window will open to allow the user to select the exams which should be linked to the Primary Study.



The manual linking screen will only show rows from the same order as the targeted primary study. Any row that does not qualify to be linked into the primary study will be a disabled row.

When linking, if the primary exam is post Exam Done status, then secondary exams which are at least at Exam Done will have their status sync with the primary. When *unlinking*, if the primary exam is post Exam Done status, then secondary exams are rest to Exam Done status after being unlinked.

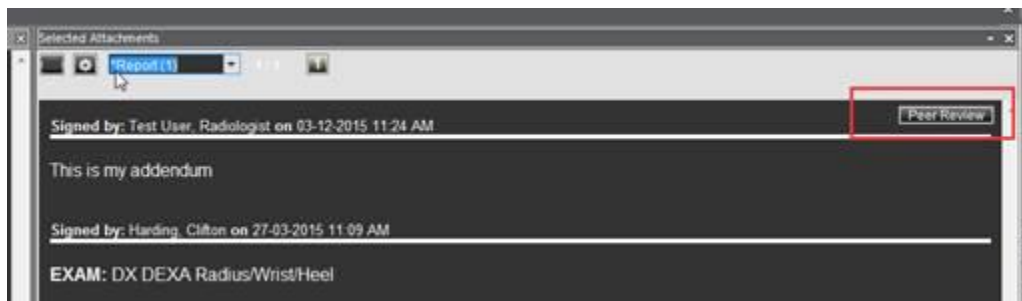
## How to enable the feature:

To manually link or unlink exams, a user must have the access string *Clinical.Linkstudies* set to Full. Default access is none.

## 12682 - MOVE PEER REVIEW ACTION BUTTON TO SELECTED REPORT AND SELECTED ATTACHMENTS PANELS, AND THE REPORT DATA NUGGET

The Peer Review button was located in an area that was inconvenient for many radiologists, due to the placement of panels in their reporting layout. The button has now been moved to the areas in which a radiologist may view a prior report for which they may choose to perform a Peer Review: the panels for Selected Report and Selected Attachments, as well as the Report Data Nugget.

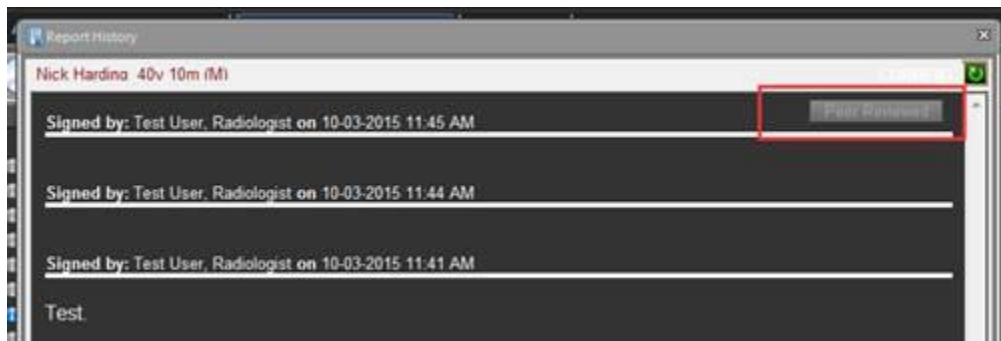




With this change, users can also now peer review via the Report Data Nugget in the main patient folder or within the patient folder panel in the reporting screens.

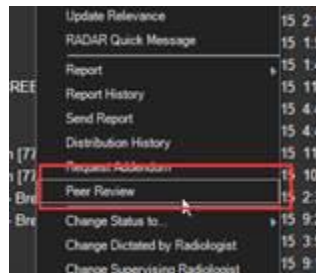
In addition, some rules have been added to enable or disable the Peer Review button appropriately. The button is enabled and visible for all reports the user is permitted to peer review. If the user touched the report (dictated, contributed or signed) the button will *not* be visible. This helps reduce clutter on the screen as it would not be appropriate to peer review one's own report.

If the user previously peer reviewed the report, the button will be visible but disabled. This will indicate to the user that they have already peer reviewed the report. The text in the disabled button will read "Peer Reviewed."



The prior Peer Review access buttons in the context menu and the patient folder panel in the Reporting screen have been removed.





### How to enable the feature:

There is an existing access string *"Clinical.PeerReview"* which needs to be enabled for the button to appear.

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## 12445 - REDESIGN PEER REVIEW WINDOW TO BE MORE INTUITIVE

Improvements were made to make the layout of the Peer Review window more intuitive, particularly when choosing between subcategories. The clinical significance checkbox has been moved and selection cues have been added to bold the active item.

The same changes are reflected in the Peer Review control in the Peer Review QA screen.

The changes result in a workflow with a top down pattern that reduces the need for the user to bounce between the top and bottom of the window, along with reduced visual clutter.

The screenshot shows the 'Peer Review' window in the eRAD RIS system. It contains patient information, a list of review options, a notes section, and a summary section. Callouts highlight several design changes:

- Bold text when selected, adds visual indication to selected item, especially useful on check box control. This is hard to see on a screen shot but adds visual indication to selection changing.** (Pointing to the selected option '2 - Discrepancy - understandable')
- Moved checkbox control closer to the scores.** (Pointing to the 'Likely to be clinically significant' checkbox)
- Left summary at the bottom as is closer to the buttons, moving it above the notes loses usefulness and becomes redundant due to its proximity to the actual selections.** (Pointing to the summary section at the bottom)
- Form is now resizable, it has a minimum size at which everything is still visible.** (Pointing to the bottom right corner of the form)

Form fields and options visible:

- Performed: 06-03-2014 12:00
- Procedure: CT Head Wo [70450]
- Patient: Brown, Cathy 26y 11m (F)
- MRN: 14139
- DOB: 01-11-1989
- Acc #: 1016351PE
- Options:
  - ☒ 1 - Concur
  - ☒ 2 - Discrepancy - understandable
  - ☐ 3 - Discrepancy - should have been made
  - ☐ 4 - Discrepancy - misinterpretation
  - ☐ Likely to be clinically significant
- Notes: Enter notes
- Summary:
  - 2a - Discrepancy in interpretation, not ordinarily expected to (understandable miss)
  - Unlikely to be significant
- Buttons: OK, Cancel

These changes are made in an ongoing effort to enhance the Peer Review capabilities in eRAD RIS.

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#### 8280, 8281 - DIFFERENTIATE BETWEEN AN ACTUAL RADIOLOGIST AND ANOTHER PERSON WITH THE RADIOLOGIST RESOURCE SETTING

It is often necessary to assign radiologist capabilities to a non-radiologist for various operational needs. However, since this user is not accredited as a radiologist, it is dangerous to allow them the power to sign patients' reports.

eRAD RIS now supports an additional flag called 'confirmed radiologist.' This flag can only be assigned by a specific type of system administrator, instead of all users with the 'RIS Administrator' role. When this flag is added or removed, it is stored in an audit trail along with the following information:

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- When the flag was changed.
- The user who changed the flag.
- The IP address of the user who changed the flag.
- The radiologist for whom the flag was changed.
- Notes describing the change (e.g. confirmed\_radiologist\_flag changed from 'N' to 'Y').

The radiologist workflow has been updated so the RIS will track if a report was signed by a 'confirmed radiologist.' This will allow a system administrator to easily track if any diagnostic reports have been signed by someone who has not been flagged as an actual radiologist.

A management report called Confirmed Radiologist Audit has been added to the Maintenance folder in eRAD RIS. It has a data range as a parameter and presents the following information:

- a. A listing of all radiologists (full name and NPI) who have the Confirmed Radiologist Flag enabled.

### Confirmed Radiologist Audit

The following users are identified as having the Confirmed Radiologist flag enabled.

| Person Name                      | NPI            |
|----------------------------------|----------------|
| Baird, Adam John (bairdj)        | asdf3w2qfasefd |
| MacDougall, Spencer (spencer)    | 45634563546    |
| Noye, Darcy T (darcyn)           | 2587411235     |
| Test User, Radiologist (radtest) | 20135          |
| Count: 4                         |                |

Confirmed Radiologist Audit

Confidential and Proprietary  
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Date Run: 11-13-2015 11:58  
Spencer-Laptop\formsguestuser

- b. A listing of all users who have **full** access to the *Config.LookupEditor.Personnel.ConfirmedRadiologistFlag* access string which enables the user to set the Confirmed Radiologist flag.

| Access string = Config.LookupEditor.Personnel.ConfirmedRadiologistFlag                      |         |                        |
|---|---------|------------------------|
| The following user groups and users have Full access to set the Confirmed Radiologist flag. |         |                        |
| The default access level for this access string is currently set to: <b>None</b>            |         |                        |
| User Group  | User id | User Name              |
| Access to the Confirmed Radiologist Flag  |         |                        |
|   | radtest | Test User, Radiologist |
|   | spencer | MacDougall, Spencer    |
| Total Count   |         | 2                      |

Confirmed Radiologist Audit

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Date Run: 11-13-2015 11:58  
Spencer-Laptop\formsguestuser



- c. A listing based on the specified date range of all diagnostic reports (user, accession number, study description, date and time) that were signed by a user who **does not** have the radiologist flag enabled.

| The following users have signed reports, while having the Confirmed Radiologist flag DISABLED.<br>For reports signed off between 09-27-2015 and 11-12-2015                      |      |                      |            |                     |           |                                  |                     |
|---|------|----------------------|------------|---------------------|-----------|----------------------------------|---------------------|
| Radiologist   | MRN  | Patient Name         | DOB        | Performed Date      | Accession | Study Description                | Signed Date         |
| MacDougall, Spencer (spencer)   |      |                      |            |                     |           |                                  | 3                   |
|   | 50   | Test, IVT            | 10-10-1960 | 10-22-2015 12:05 PM | 5108      | FL UGI W SBS [74245]             | 10-22-2015 12:10 PM |
|   | 3392 | Judson, Jenny        | 02-16-1998 | 05-14-2015 2:09 PM  | 1896      | XR JOINT SURVEY SGL VIEW [77077] | 10-28-2015 4:07 PM  |
|   | 4    | Carter, Jeff William | 10-10-1980 | 10-06-2015 4:00 PM  | 4878      | CT Chest W [71260] - Chest       | 11-02-2015 10:17 AM |
| <b>Total</b>  |      |                      |            |                     |           |                                  | <b>3</b>            |
| <div>Confirmed Radiologist Audit</div> <div>Confidential and Proprietary</div> <div>Date Run: 11-13-2015 2:35 PM<br/>Spencer-Laptop\formsguestuser</div> <div>Page 3 of 4</div> |      |                      |            |                     |           |                                  |                     |

- d. Detailed audit information based on the specified date range of all changes made to the Confirmed Radiologist Flag in the Personnel Lookup Editor. This includes the date and time of the change, the user who made the change, the IP address of the user who made the change, and the radiologist whose account was modified.

| The following users have had the confirmed radiologist flag modified between 11-12-2015 and 11-12-2015  |                               |                               |                |  |             |
|---|-------------------------------|-------------------------------|----------------|--|-------------|
| Date/Time   | Updated By                    | Affected Person               | Affected NPI   | Change   | IP Address  |
| 11-12-2015 15:39  | MacDougall, Spencer (spencer) | bbbb, aaaa ()                 | f76585678      | confirmed_radiologist_flag changed from 'Y' to 'N' | 10.100.16.1 |
| 11-12-2015 15:39  | MacDougall, Spencer (spencer) | Noye, Darcy T (darcyn)        | 2587411235     | confirmed_radiologist_flag changed from 'N' to 'Y' | 10.100.16.1 |
| 11-12-2015 15:38  | MacDougall, Spencer (spencer) | Martin, Jesse Lee (Jessem)    |                | confirmed_radiologist_flag changed from 'N' to 'Y' | 10.100.16.1 |
| 11-12-2015 15:38  | MacDougall, Spencer (spencer) | Baird, Adam John (bairdj)     | asdf3w2qfasefd | confirmed_radiologist_flag changed from 'N' to 'Y' | 10.100.16.1 |
| 11-12-2015 10:09  | MacDougall, Spencer (spencer) | MacDougall, Spencer (spencer) | 45634563546    | confirmed_radiologist_flag changed from 'N' to 'Y' | 10.100.16.1 |
| 11-12-2015 10:06  | MacDougall, Spencer (spencer) | MacDougall, Spencer (spencer) | 45634563546    | confirmed_radiologist_flag changed from Y to N     | 10.100.16.1 |
| <div>Confirmed Radiologist Audit</div> <div>Confidential and Proprietary</div> <div>Date Run: 11-13-2015 12:03<br/>Spencer-Laptop\formsguestuser</div> <div>Page 4 of 4</div> |                               |                               |                |  |             |

The Confirmed Radiologist Audit report can be configured via SSRS to run and automatically distribute on a weekly basis.

**How to enable the feature:**

To set or remove the Confirmed Radiologist flag, the RIS administrator must first create a user group which has access to set this flag. This is accomplished by creating a group with permission to the *Config.LookupEditor.Personnel.ConfirmedRadiologistFlag* with an Access Level of Full and assign to the appropriate users.

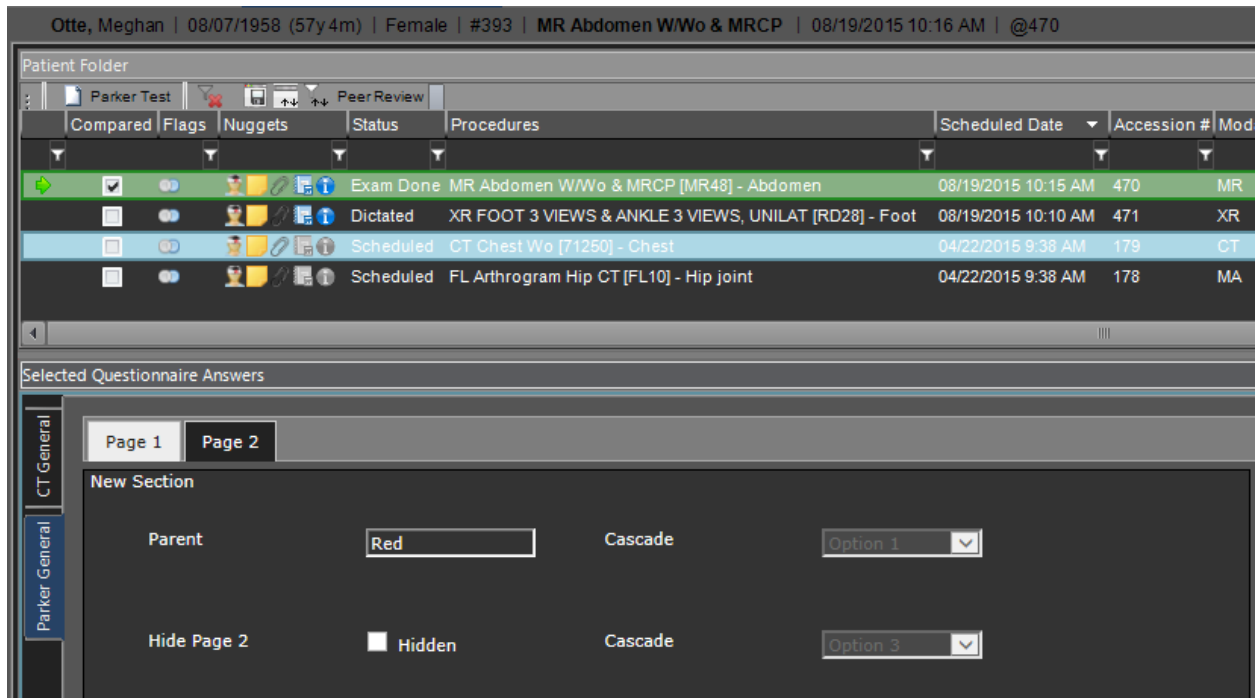
Once the administrator has this permission, the following flag can now be set in the Personnel editor:

The screenshot displays the 'Personnel editor' window with several tabs: General, Resource, Account, Notes, Attachments, Preferences, and Referring Preferences. The 'Resource' tab is active. It is divided into three main sections: 'Resource Type', 'Resource Information', and 'Referring Flags'. In the 'Resource Type' section, 'Radiologist' is selected with a checked checkbox. In the 'Resource Information' section, the 'Confirmed radiologist' checkbox is checked and highlighted with a red rectangle. Other fields include NPI (20135), UPIN, License #, Specialties, Medical groups, and Contact type \*. The 'Referring Flags' section on the right includes options for 'Direct referral program', 'Pre-auth program', and 'Gold card'.

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**12598 – ADD “SELECTED DIGITAL FORMS” VIEWER IN REPORTING SCREENS**

In the Reporting screen, radiologists required a method to view data from digital forms that were completed for prior studies. A new panel is now available for the Reporting screen: Selected Digital Form Answers. The data displayed in this panel will update to match available Digital Forms for the exam selected in the Patient Folder control, in the same way that the Selected Attachments and Selected Breast Diagram panels function. When the selected row in the patient folder changes, the digital form tabs in the Selected Digital Form Answers panel change to those for the selected row.



#### How to enable the feature:

To view the new panel, a user must have the access string *View.DigitalFormAnswers* set to Full.

## INSURANCE ELIGIBILITY &amp; VERIFICATION

## 8540 - DO NOT COLLECT ANY COPAY AMOUNT TO COLLECT, IF SECOND INSURANCE IS MEDICAID

It is desired that the RIS not display an amount to collect if the second insurance is Medicaid. This feature can also be used to set the Amount to Collect to zero dollars when any configured insurance carrier is used at any level (primary, secondary, tertiary, etc.).

## How to enable the feature:

An insurance carrier can be configured to trigger a zero dollar amount to collect by setting the Carrier lookup table column *collect\_with\_multiple\_carriers\_flag* to 'N.'

Lookup Tables - Carrier \*

| Carrier Code | Description           | Collect With Multiple Carriers Flag | Collect Co Pay Flag | Collect Co Insurance Flag | Collect Deductible Flag | Phone          | Fax           | Address1     | Address2    |
|--------------|-----------------------|-------------------------------------|---------------------|---------------------------|-------------------------|----------------|---------------|--------------|-------------|
| Contains: ▼  | Contains: ▼           | Contains: ▼                         | Contains: ▼         | Contains: ▼               | Contains: ▼             | Contains: ▼    | Contains: ▼   | Contains: ▼  | Contains: ▼ |
| ZAZB         | VANTAGE MEDICAL GROUP | Y                                   | Y                   | Y                         | Y                       |                |               | PO BOX 85909 |             |
| ZEET         | RPNBLUE CROSS (CAP)   | Y                                   | Y                   | Y                         | Y                       |                |               | PO BOX 51420 | PO BOX 5.   |
| ZEFC         | RPNBLUE CROSS (FFS)   | Y                                   | Y                   | Y                         | Y                       |                |               | PO BOX 51420 | PO BOX 5.   |
| Cigna        | Cigna                 | Y                                   | Y                   | Y                         | Y                       |                |               |              |             |
| greatVest    | Great West Life       | Y                                   | Y                   | Y                         | Y                       |                |               |              |             |
| test         | cigna                 | Y                                   | Y                   | Y                         | Y                       | (123) 123-1233 | (231) 233-... |              |             |
| D medicare   | Medicare              | N                                   | Y                   | Y                         | Y                       |                |               |              |             |

By default, the RIS will always collect the copay amount when there are multiple insurance carriers on an order. However, if the *collect\_with\_multiple\_carriers\_flag* is set to equal 'N' for any of the selected carriers, the RIS will not collect any copay and amount to collect will be zero.

## 11155 - ADD CONFIGURATION OPTION TO OMIT COPAY, COINSURANCE OR DEDUCTIBLE BY PAYER OR CARRIER

Occasionally, it may be necessary to temporarily stop collecting copay, coinsurance, and/or remaining deductible for a particular carrier. In the Carrier lookup table, there are now options to set the following flags:

- collect\_deductible\_flag
- collect\_co\_insurance\_flag
- collect\_co\_pay\_flag

| Lookup Tables - Carrier * |                       |                                     |                     |                           |                         |                |               |              |             |
|---------------------------|-----------------------|-------------------------------------|---------------------|---------------------------|-------------------------|----------------|---------------|--------------|-------------|
| Carrier Code              | Description           | Collect With Multiple Carriers Flag | Collect Co Pay Flag | Collect Co Insurance Flag | Collect Deductible Flag | Phone          | Fax           | Address1     | Address2    |
| Contains: ▼               | Contains: ▼           | Contains: ▼                         | Contains: ▼         | Contains: ▼               | Contains: ▼             | Contains: ▼    | Contains: ▼   | Contains: ▼  | Contains: ▼ |
| ZA28                      | VANTAGE MEDICAL GROUP | Y                                   | Y                   | Y                         | Y                       |                |               | PO BOX 85909 |             |
| ZEET                      | RPNBLUE CROSS (CAP)   | Y                                   | Y                   | Y                         | Y                       |                |               | PO BOX 51420 | PO BOX 5... |
| ZEFC                      | RPNBLUE CROSS (FFS)   | Y                                   | Y                   | Y                         | Y                       |                |               | PO BOX 51420 | PO BOX 5... |
|                           | Cigna                 | Y                                   | Y                   | Y                         | Y                       |                |               |              |             |
| greatWest                 | Great West Life       | Y                                   | Y                   | Y                         | Y                       |                |               |              |             |
| test                      | cigna                 | Y                                   | Y                   | Y                         | Y                       | (123) 123-1233 | (231) 233-... |              |             |
| medicare                  | Medicare              | N                                   | Y                   | Y                         | Y                       |                |               |              |             |

When receiving Eligible API returns, if the flag for deductible, coinsurance, or copay is set to 'N', the value for that component will default to zero. If all three flags are set to 'N,' the amount to collect will be zero dollars.

## 12249 - INSURANCE VERIFIED CHECKBOX DOES NOT RESET WHEN EXAM IS RESCHEDULED

The Insurance Verification Required workflow in eRAD RIS is configured by Modality Type Code. For example, a practice could have Insurance Verification Required enabled for all exams in the CT and MRI modalities. This will push the order to the IVT worklist and also prompt the user to verify the insurance when registering the patient.

Often patients who have had their insurance verified have to reschedule a procedure. Previously, eRAD RIS would not reset the insurance verification status when the procedure was rescheduled. However, some clients may want to re-verify the insurance if the exam is rescheduled for a future date, since the insurance policy could expire.

A new system configuration value called *ResetInsuranceVerifiedOnReschedule* has been added to eRAD RIS with a default value of False.

| System Config Code                 | Value       | Default     | Description   |
|------------------------------------|-------------|-------------|---|
| Contains: resch                    | Contains: ▼ | Contains: ▼ | Contains: ▼   |
| ResetInsuranceVerifiedOnReschedule | True        | False       | (value = bool) Determines if insurance verified flag is reset when rescheduling a study |

If this value is set to True and the insurance verification status is “Verified,” the system will reset the insurance verification status to “Required” and push the study back to the IVT worklist.

If the *ResetInsuranceVerifiedOnReschedule* system configuration value is set to False, the insurance verification status will remain as “Verified” when rescheduling.

### How to enable the feature:

Set the *ResetInsuranceVerifiedOnReschedule* system configuration value to True.

## RECEPTION

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### 8615 - ABILITY TO ENTER BLANK CREDIT CARD INFORMATION

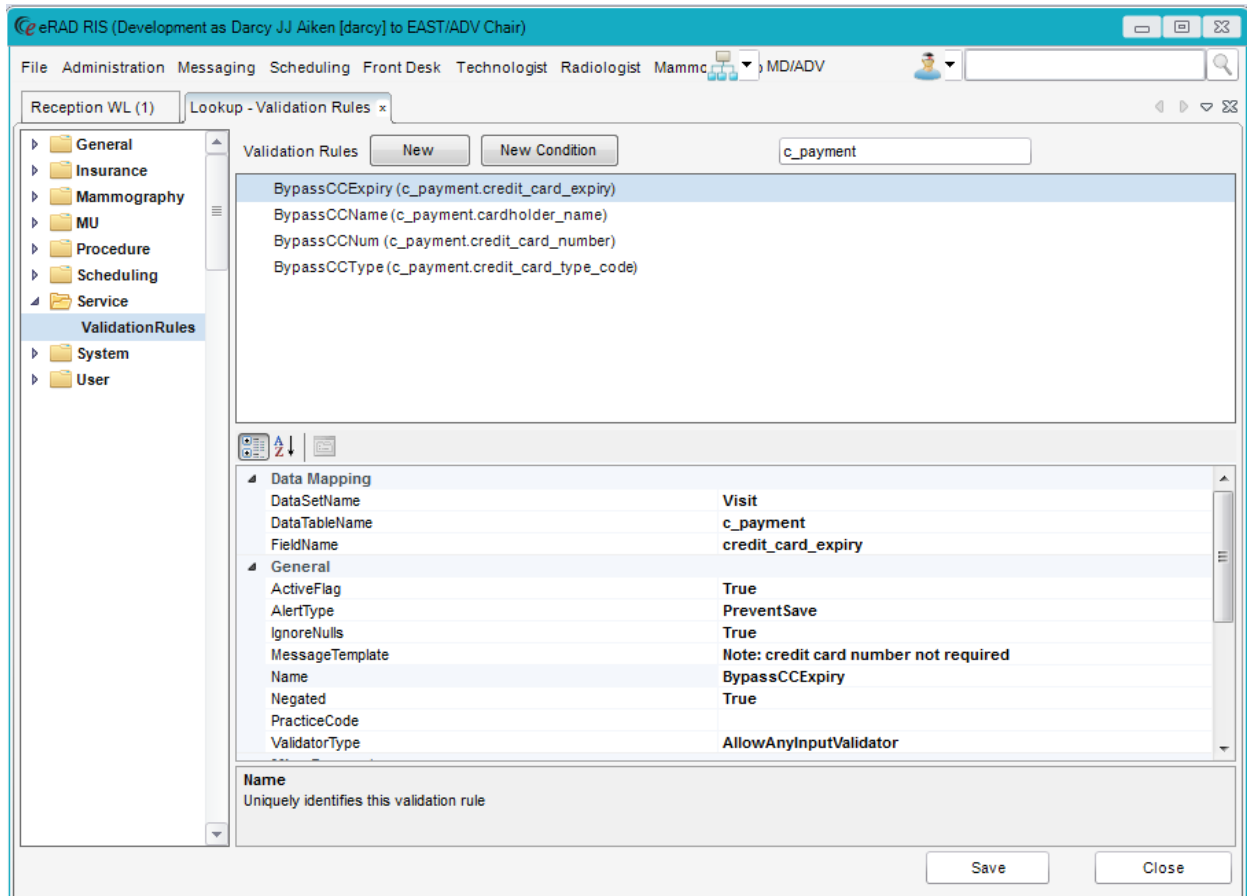
The RIS currently requires credit card information to be entered if the payment type is 'credit card.' It was desired by a number of customers to allow the custom validation framework to manage these required fields, which would allow them to be configured as optional.

To address this, there is a new validator type '*AllowAnyInputValidator*' which will allow service to configure and override the core validation rules. *AllowAnyInputValidator* will allow a field to be null or contain any value that is permitted by the database.

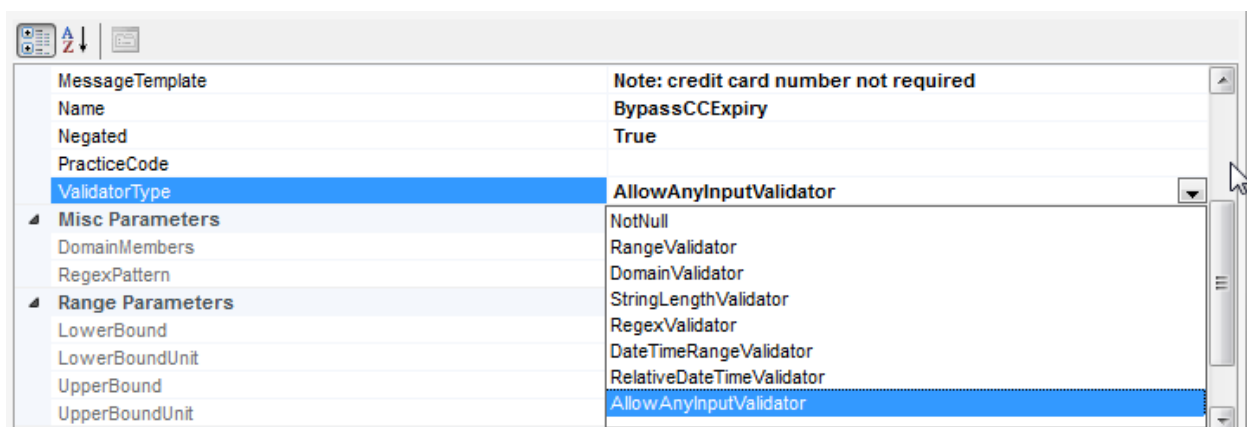
**How to enable the feature:**

***External customers will be instructed to contact the eRAD Support team for assistance with adjusting validation rules.***

The upgrade scripts will insert new rows into the *\_validation\_rule* table on the 4 credit card related fields with active\_flag = 'N.' In order to "opt in" to these more relaxed rules, the active\_flag can be set to "Y" and once users log in they will obtain the new configuration.



*Validation Rules Editor showing the new possible validation rules*



*Specifying a validator type of AllowAnyInputValidator*

## INTERFACING

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### 8667 - REMOVE XML NODES FROM MESSAGE

The messages sent out from RIS to external systems are large and may contain data that is irrelevant to the receiving system. It is desirable to have the ability to configure the data that is sent to the interface engine which will save bandwidth and cpu cycles in the interface engine (Mirth, Ensemble, etc.).

To resolve this concern, the RIS now features a configurable database table of xpath statements that will cause the wedge to remove content from the message. This removal of data can be prior to the expanding nodes such as `procedure_code`, `*_person_key`, etc. and some can be after. This removal is performed before the message is sent to Mirth.

Example: The Wedge expands `site_code` but the downstream recipient does not need the site's `last_updated`, `last_updated_by_user_id`, or `notes` nodes. Notes in particular are sometimes quite large.

**How to enable the feature:**

***External customers will be instructed to contact the eRAD Support team for assistance with adjusting validation rules.***

The `l_queue_container_pruning` table has been created and added to the QueueSubscription lookup table. This enables it to be edited from the configuration editor in the RIS UI. The `l_queue` table has also been added to provide a list of queue names. This change has been retroactively fitted to have a foreign key relation from the `l_queue_subscription` table.

The pruning table has the following columns:

`active_flag` – determines whether or not the rule is used at all.

`execution_order` – determines the order in which the statements are used. This ordering takes effect after the rules are split based on the `pre_expansion_flag` column. This has no effect on the end result but can be used to optimize the pruning.

`xpath` – determines the nodes to which the pruning rule applies. It is recommended to thoroughly test the xpath in order to verify it behaves correctly before activating the rule. Notepad++ has a `pre_expansion_flag`. If set to Y, the rule is applied before the lookups are expanded. Otherwise the rule is applied after.

`description` – describes what nodes the rule is intended to remove.



Entries in the table used during development testing looked like this:

| queue_name | active_flag | execution_order | xpath  | pre_expansion_flag | description |
|------------|-------------|-----------------|--|--------------------|-------------|
| MIRTH      | Y           | 0               | /StudyContainer/Patient/c_patient/deleted_flag | Y                  | NULL        |
| MIRTH      | Y           | 0               | //l_person/note                                | N                  | NULL        |
| MIRTH      | Y           | 0               | //l_child_person[active_flag='N']              | N                  | NULL        |

In order to use this feature, the *LegacyInterfaceMode* flag must be set to False. This feature should be used with caution, as it has the potential to remove too much from the message.

#### 11947 - RADAR INTERFACE FOR SITE SPECIFIC REMINDERS/CONFIRMATIONS SHOULD FILTER OUT PATIENTS WHO HAVE 'OPTED-OUT' OF REMINDERS

On the Patient Tab, there is an option to indicate whether the patient would like to opt-out of Reminders. If this box is checked, RADAR will filter these patients out when sending reminders/confirmations.

The screenshot shows the 'Patient' tab selected in the top navigation bar. A red arrow points from the 'Patient' tab to the 'Do not send reminders' checkbox in the 'Marketing messages' section. The checkbox is checked and highlighted with a red box. The form includes fields for General Information (Prefix, First, Last, Middle, Suffix, Birth place, Father's name, Sex, DOB, Deceased, Claustrophobic) and Contact Information (Address 1, Address 2, City, State, Zip, Country, Phone, Email, Preferred contact method, Preferred delivery method, Marketing messages).

ALL

8446 - SUPPORT EMAIL OPT-OUT FOR PATIENTS

Some patients will want to opt-out of email communications for surveys and marketing campaigns. To address this need, two radio buttons have been added to the Contact Information on the patient tab in RIS. The options available under Marketing Messages are “Permitted” and “Prohibited.”

The screenshot shows the 'Contact Information' form. The 'Marketing messages' section is highlighted with a red box. It contains two radio buttons: 'Permitted' (which is selected) and 'Prohibited'. Other fields include Address 1 (215 Duke Street), Address 2 (Apt 678), City (Whittier), State (California), Email (test@mail.com), and Preferred delivery method (Email).

Note that eRAD RIS does not directly distribute marketing messages at this time, so this is provided as a data collection point for eventual extraction.

7100 – ADD PATIENT ZIP CODE TO PATIENT SEARCH SCREEN

In order to enhance the search results and increase the odds of finding the correct patient, eRAD RIS now supports searching by zip code. This search is based on an **exact match** to the primary zip code of the patient.

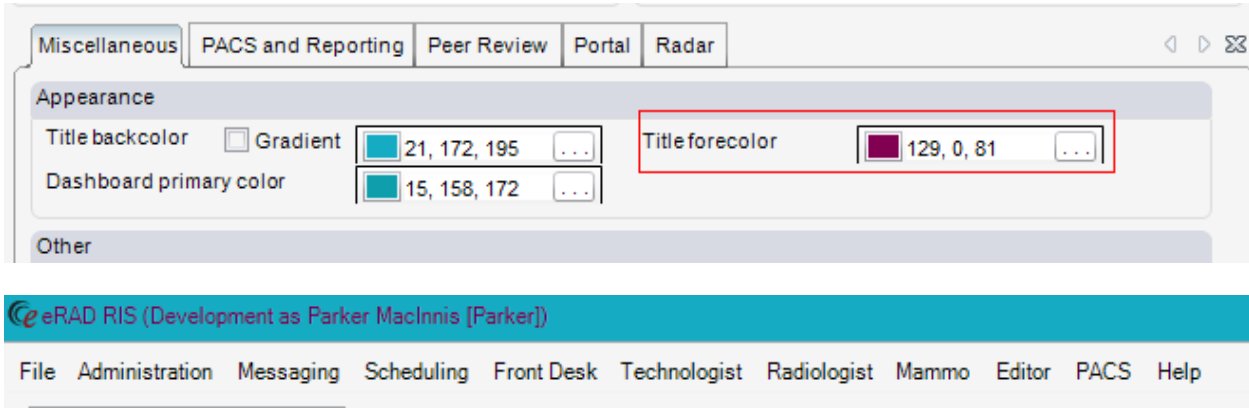
The Zip code column is also included in the returned results grid after the State column.

The screenshot shows the 'Patient Search' screen. The 'Search Criteria' section has a 'Zip Code' field highlighted with a red box, containing the value '95620'. Below the search criteria, there is a table of search results. The 'Zip Code' column in the table header is highlighted with a red box, and the value '95620' in the first row is also highlighted with a red box.

| First Name | Last Name | Middle Name | Birth Date | MRN | Issuer | Gender | Address       | City          | State | Zip Code | Home Phone | Mobile Phone |
|------------|-----------|-------------|------------|-----|--------|--------|---------------|---------------|-------|----------|------------|--------------|
| Frances    | Smith     |             | 09-09-1980 | 6   | system | F      | 345 Fox Drive | Liberty Farms | CA    | 95620    |            |              |

## 12645 – ALLOW TEXT COLOR TO BE ADJUSTED IN TITLE BAR OF RIS APPLICATION

In build 38, the ability was added to change the background border color of the RIS application to enable a visual clue when the user changed practices. The title foreground (text) color could not be set. This could make the title difficult to read when the foreground (text) color was not visually distinct from the chosen background color. This can now be adjusted in the Add/Edit Practice window in the Organization table. If no color is selected, it will default to black, unless the user is in dark theme, which will default to white.



## 12638 - ADD ORDER # COLUMN TO IVT, RECEPTION, AND TECHNOLOGIST WORKLISTS

The Order # column has been added to the IVT, Reception, and Technologist worklists in eRAD RIS.

Reception WL (8) x

10-20-2015 Eldersburg

| Flags | Status      | Order # | Procedures                 | Scheduled Date      | Referring     | Room  | Accession # |
|-------|-------------|---------|----------------------------|---------------------|---------------|-------|-------------|
|       | Scheduled   | 5502    | CT Chest W [71260] - Chest | 10-20-2015 10:30... | Refer, Self   | CT1EL | 5092        |
|       | Checking In | 5505    | CT Chest W [71260] - Chest | 10-20-2015 11:30... | Smith, Alliso | CT1EL | 5095        |
|       | Checking In | 5506    | CT Chest W [71260] - Chest | 10-20-2015 1:00 PM  | Smith, Alliso | CT1EL | 5096        |
|       | Checking In | 5507    | CT Chest W [71260] - Chest | 10-20-2015 1:30 PM  | Smith, Alliso | CT1EL | 5097        |
|       | Checking In | 5508    | CT Chest W [71260] - Chest | 10-20-2015 2:00 PM  | Smith, Alliso | CT1EL | 5098        |
|       | Checking In | 5509    | CT Chest W [71260] - Chest | 10-20-2015 2:30 PM  | Smith, Alliso | CT1EL | 5099        |
|       | Checking In | 5510    | CT Chest W [71260] - Chest | 10-20-2015 3:00 PM  | Smith, Alliso | CT1EL | 5100        |
|       | Checking In | 5511    | CT Chest W [71260] - Chest | 10-20-2015 3:30 PM  | Smith, Alliso | CT1EL | 5101        |

#### 8528 - WORKLISTS - CHANGE LOGIC FOR ACTIVITY IN PAST 15 SECONDS TO ALLOW REFRESH IF ACTIVITY IS IN ANOTHER APPLICATION

Worklists in eRAD RIS self-refresh, but there are circumstances where the system automatically suspends refreshing. Imagine for example that the user is about to click on a worklist row, then the RIS refreshes, causing the user's click to now be on a different row. If the user was not aware of this refresh, they may end up opening a study they did not intend to open. To resolve this concern, there is a feature where if the user is actively moving the mouse on the workstation, worklist refreshes are automatically suspended for a period of 15 seconds. However, the user may be working on a different application (e.g. Excel, Word, email, etc.) and while they are active on that other application, the RIS should not disable refreshing. RIS will now differentiate between activity on the RIS and activity on another application. Worklist refresh will not be suspended when activity is occurring in another application.


For supplemental information, here are the rules around worklist refreshing:

- The default WL refresh interval is 1 minute.
- If the RIS screen is locked, the refresh will not occur.
- If RIS is minimized, the refresh will not occur.
- If a radiologist reporting screen is the current tab, the refresh will not occur.
- If a transcription reporting screen is the current tab, the refresh will not occur.
- If the current tab is a WL and there has been mouse or keyboard activity in the past 15 seconds in RIS the refresh will not occur on the current Tab's WL (other WLs will refresh).


#### 12091 - CREATE A VISUAL INDICATOR THAT A LOG CONTROL SUPPORTS AUTOTEXT

The log controls (notes fields) in eRAD RIS can be configured to support Autotext. Customer feedback has indicated that confusion can occur because the user must know to right-click in the log control in order to select 'Autotext' from the context menu. This is not intuitive as the user may try to type free text, but nothing appears if the field is configured for Autotext only and the user may believe the RIS is frozen or waiting for something to refresh.


For this reason, if a log control is configured to support Autotext, a visual indicator will now appear.

If the log control supports Autotext, a button  will appear in the upper right corner of the control. Clicking this button will launch the Autotext dialog.


**Scheduling Notes**

11-04-15 spencer - Request form indicates an Attachment was to be faxed; however, we only received a \_\_\_\_\_ page fax. We cannot make recommendation without the attachment you intended for our review. 

11-04-15 spencer - The patient has been approved for a different exam that the reviewer believes will better help in the management of your patient. Should this not be the case, you may resubmit this request with the results of that test.

If the log control supports Free *and* Autotext, a different button  will appear in the upper right corner of the control. Clicking this button will launch the Autotext dialog, but the user is also permitted to type or copy into the input area.

**Order Notes**

11-04-15 spencer - These are test order notes... 

11-04-15 spencer - NO RESPONSE received w/in the allotted time period. A recommendation of "medical necessity" cannot be made to the Medical Group.

If the log control supports Freetext only, no button will appear.

#### How to enable the feature:

Log controls are configured for Autotext using the LogControl and Autotext lookups.

---

12140 - HELP ABOUT SCREEN SHOULD CONTAIN THE DIGITAL FORMS VERSION IN ADDITION TO THE OTHER VERSION NUMBERS

The Help About screen will now display the Digital Forms Version.



#### 12137 – ADD THE LAST UPDATED DATE AND USER ID AS DATA ELEMENTS IN THE LIST OF DIGITAL FORMS

To assist with the management of Digital Forms, new columns were added to the Digital Forms list on the Administration page of the Digital Forms Editor to display the Last Updated date and the Last Update By User Id.

| Name          | Last Updated | Last Updated By | Design | Delete |
|---------------|--------------|-----------------|--------|--------|
| Biopsy Report | 21-10-2015   | hardingc        |        |        |

#### 11944, 12246 – ABILITY TO CONFIGURE DIGITAL FORMS TO DISPLAY IN SPECIFIC SCREENS

Some digital forms (aka questionnaires) are only applicable to particular screens. RIS now has the ability to indicate whether the conditional tab with the digital form displays for a receptionist but not a technologist, for example.

There is now a Screen criterion in the Conditional Tab editor. This can be left blank and then the conditional tab will be eligible to be displayed on any screen, or the admin can specify one or more screens to which the digital form should be limited.

| Conditional Tabs                    |                      | Add    |               |                      |  |
|-------------------------------------|----------------------|--------|---------------|----------------------|--|
| Questionnaire Name                  | Tab Title            | Active | Display Order | Conditional Tab Type |  |
| No filter:                          | Contains:            | Cont   | Equals:       | Contains:            |  |
| Mammo Questionnaire                 | Breast Questionnaire | Y      |               | 1 General            |  |
| RB - Screening Mammo Report Builder | RB - Screening Mammo | Y      |               | 1 ReportAssistant    |  |
| MRI Screening Questionnaire         | MRI Questionnaire    | Y      |               | 1 General            |  |
| MR/CT Tech Questionnaire            | Additional History   | Y      |               | 1                    |  |

| Display Criteria            |                     |        |                             |                              |               |          |           |           |        |
|-----------------------------|---------------------|--------|-----------------------------|------------------------------|---------------|----------|-----------|-----------|--------|
| Description                 | Last Updated        | Active | BI-RADS Enabled Procedur... | Biopsy Enabled Procedures... | Modality Type | Practice | Procedure | Body Part | Screen |
| Click here to add a new row |                     |        |                             |                              |               |          |           |           |        |
| All Practic...              | 11-21-2015 12:20 PM | Y      | Y                           | N                            | (all)         | (all)    | (all)     | (all)     | (...)  |

| Display Criteria            |                     |        |                                 |                                |               |          |           |           |        |
|-----------------------------|---------------------|--------|---------------------------------|--------------------------------|---------------|----------|-----------|-----------|--------|
| Description                 | Last Updated        | Active | BI-RADS Enabled Procedures Only | Biopsy Enabled Procedures Only | Modality Type | Practice | Procedure | Body Part | Screen |
| Click here to add a new row |                     |        |                                 |                                |               |          |           |           |        |
| MRWorksheet                 | 07/22/2015 11:29 AM | Y      | N                               | N                              | (all)         | (all)    | (all)     | (all)     | (...)  |

Display Criteria including the new Screen column

Rules for Screen

Unassigned:

Contains:

Schedule Order (ScheduleOrder)

Register (Registration)

Assigned:

Contains:

Perform Exam (PerformExam)

ReportingRadiologist (ReportingRadiologist)

ReportingTranscription (ReportingTranscription)

View/Edit (ViewEdit)

→

←

OK

Cancel

Popup dialog for assigning one or more screens

**How to enable the feature:**

After adding the Digital Form to the Conditional Tab editor, specify screen criteria in the lower Display Criteria grid. Leave blank to display the conditional tab containing the Digital Form on any screen.

Note: Conditional Tab Type will now serve a different purpose. The Radiologist type will be displayed to the user as 'ReportAssistant' and will be used to help govern the treatment of a digital form on the radiologist screens.

---

**12188, 8136 - ADD FUNCTIONALITY TO ALLOW FOR MORE COMPLEX EMR ORDER MAPPING**

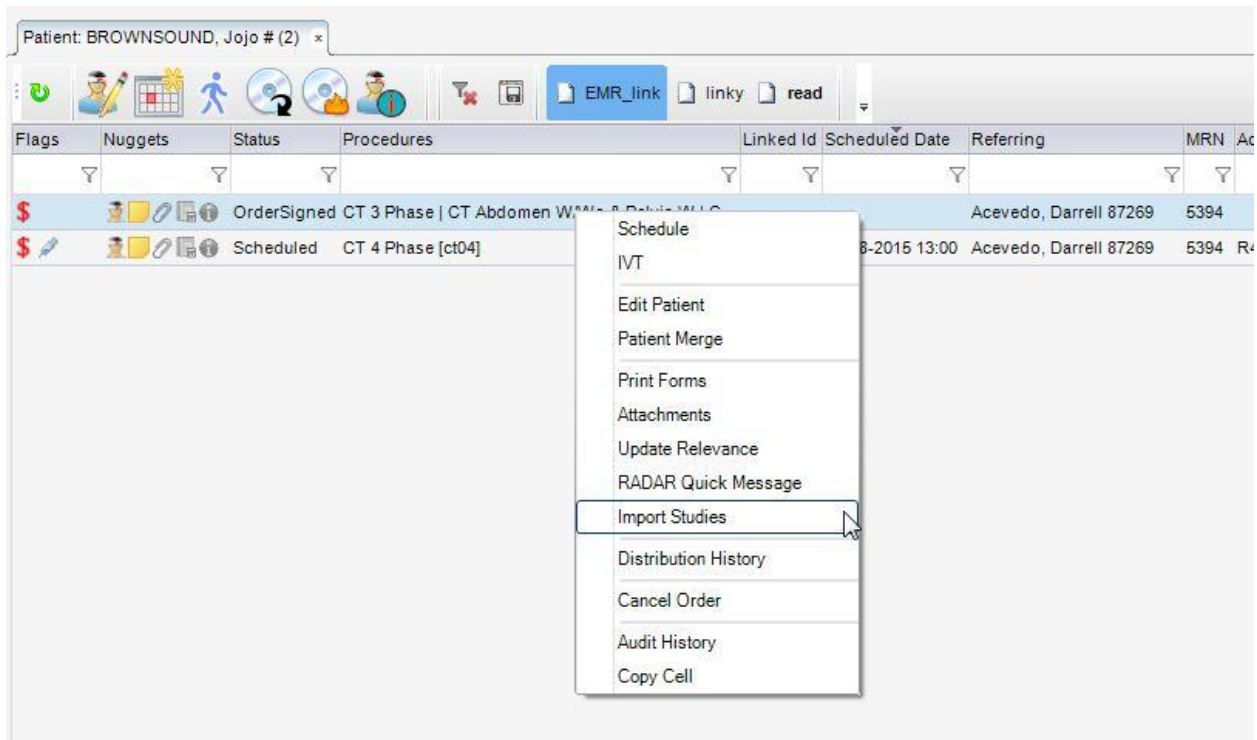
Functionality was added to eRAD RIS to allow an authorized user to import pre-existing scheduled studies into an EMR order on an individual basis. This functionality was added because sometimes users schedule an exam without using the EMR order, and it is necessary to link them up at a later point in the workflow. If the un-used EMR order has multiple exams, a user may have a situation in which some exams have been scheduled and need to be mapped to the EMR order, but the EMR order needs to also remain available to be used for the unscheduled exams. Similarly, there may be a situation in which a patient is scheduled for multiple exams, but only one of them should be mapped to the EMR order. Consider the following examples:

- A referring physician sends an EMR order for a Carotid Ultrasound and a Brain MRI. The ultrasound is scheduled without using the EMR order. This is discovered and an administrator wants to import the scheduled ultrasound into the EMR order. However, the EMR order still needs to also exist in an Ordered status because staff is in the process of obtaining insurance authorization for the Brain MRI and it is not ready for scheduling.
- A referring physician sends an EMR order for a Knee MRI. When the patient is contacted, she also schedules a Pelvic ultrasound that is referred by another physician. An administrator later realizes and wants to import the Knee MRI to the EMR order, but the ultrasound should stay on the existing order.

To handle scenarios of this nature, it is now possible to choose which exams to import from one order into an EMR order. If all exams are selected, the source order is cancelled after all exams are imported to the EMR order. If only a subset of exams is selected, the source order will continue to exist with the remaining studies.

In the case that a user realizes later that additional studies should have been imported to the EMR order, an authorized user can now access the Import Studies window from the right-click context menu in the Patient Folder, even after one or more procedures have already been mapped to an EMR order.





The menu item for Import Studies is available for studies in an *OrderSigned*, *Scheduled*, *CheckingIn*, or *Arrived* status. To access, the user must have the access string **Clinical.ImportStudies** set to Full.

The Import Scheduled Procedures window will open in a new tab.

eRAD RIS (Development as Adam Doucette [deuce] to 5 Chair)

File Administration Messaging Scheduling Front Desk Technologist Radiologist Mammo Editor PACS Help

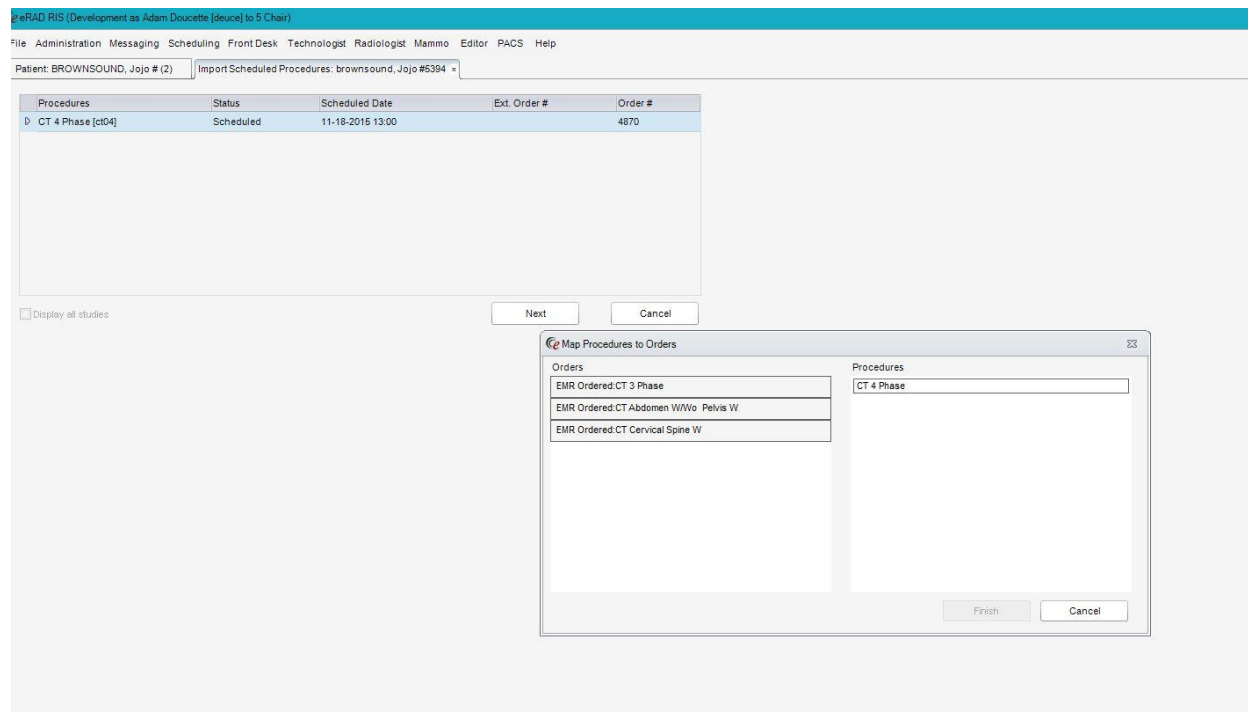
Patient: BROWNSOUND, Jojo # (2) Import Scheduled Procedures: brownsound, Jojo #5394 x

| Procedures          | Status    | Scheduled Date   | Ext. Order # | Order # |
|---------------------|-----------|------------------|--------------|---------|
| ▷ CT 4 Phase [ct04] | Scheduled | 11-18-2015 13:00 |              | 4870    |

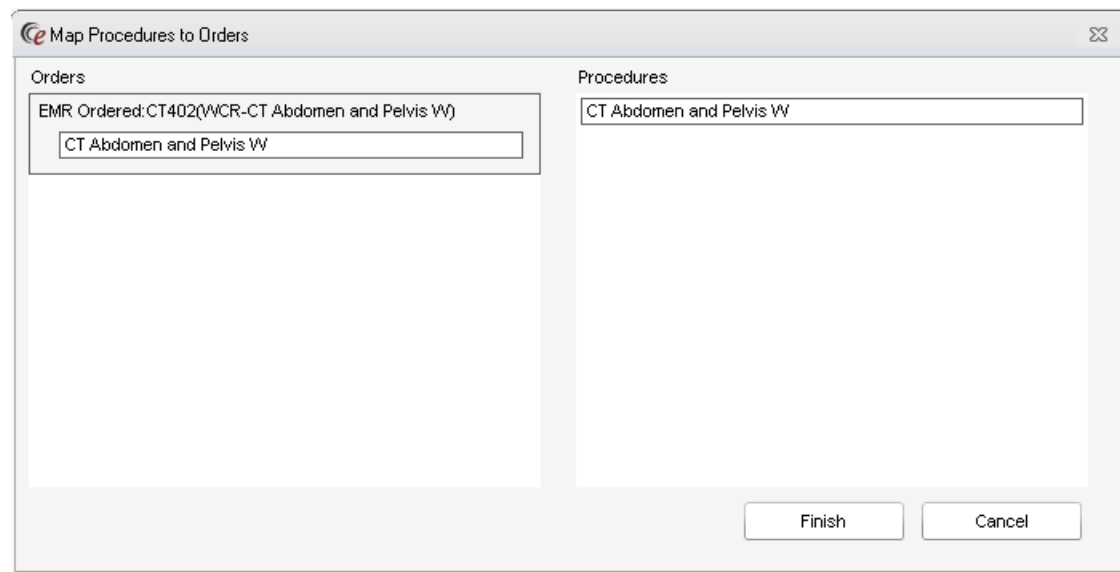
☐ Display all studies

Next Cancel

Clicking the Next button will display a pop-up with available Orders on the left and the Procedures on the right.

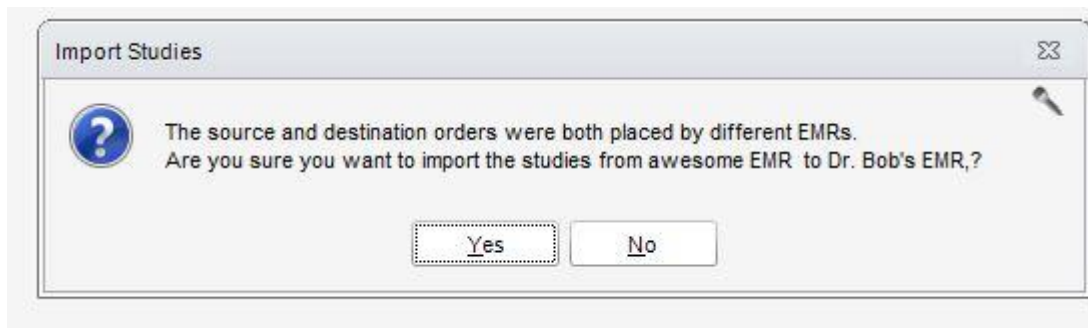


The user can match the Procedure to the appropriate EMR order by dragging.

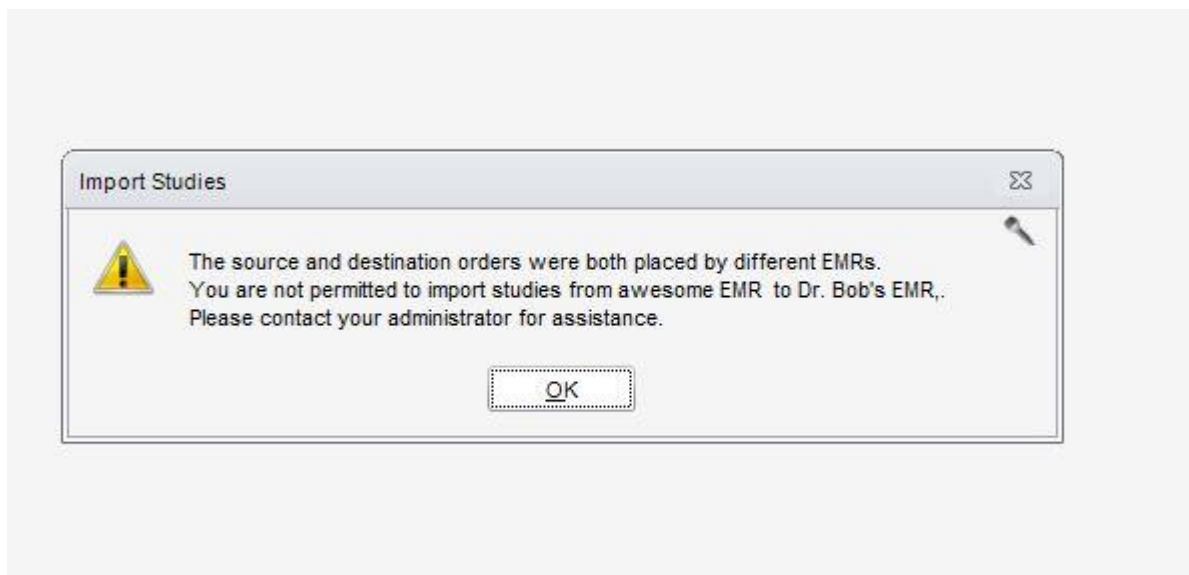


If the Procedure that is being mapped into an EMR order is already associated to a *different* EMR, a user must have additional permissions to continue. Access string **Clinical.ImportStudies.AcrossEMRs** must be set to Full for the user to continue.

They will be presented with a warning message that must be acknowledged before continuing.



If the user does not have the appropriate access to move studies from one EMR order to another, they will be presented with a message to contact their administrator for assistance.



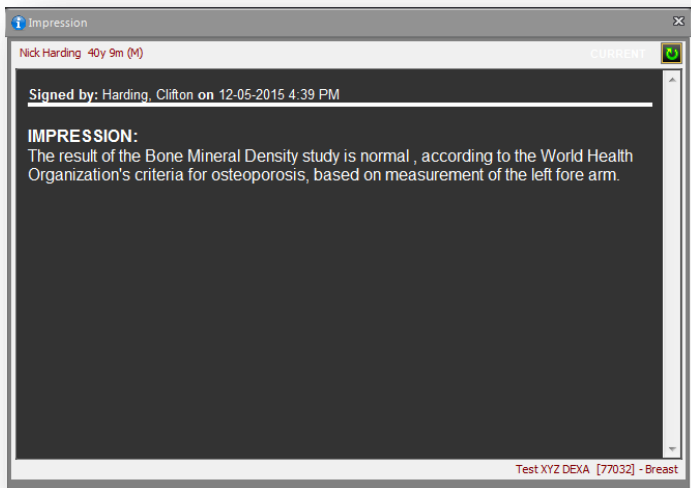
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#### 12273 - IMPRESSION NUGGET NEEDS TO SUPPORT ERAD AND POWERSCRIBE REPORTING MODES

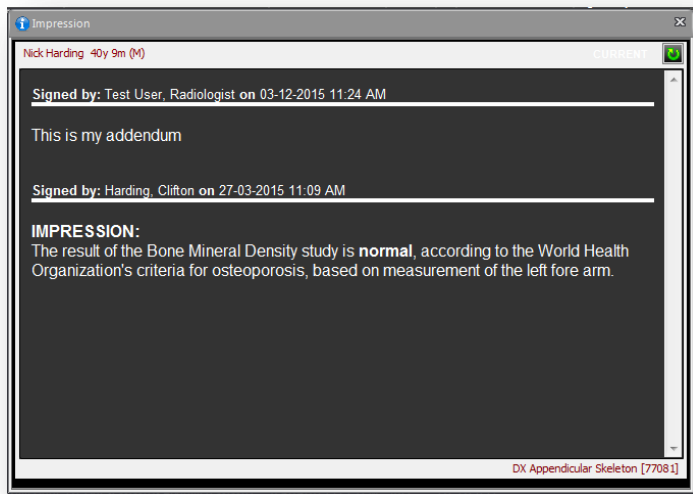
The Impression data nugget in eRAD RIS now supports PowerScribe 360 and eRAD reporting modes. Previously, the Impression data nugget only supported M\*Modal sections named "Impression." The 'impression' string is now configurable so that terms such as 'conclusion' or 'assessment' can be used to drive the Impression data nugget. This also allows languages other than English to capture the impression in the data nugget.

There is now a system configurable value '*ReportingImpressionSectionStartText*' with a default value of 'IMPRESSION'. eRAD RIS will now parse the report RTF (PowerScribe 360 and eRAD reporting modes) looking for the first line that begins with '*ReportingImpressionSectionStartText*' value. When found, we select that line and all subsequent lines to be part of the impression.

When using M\*Modal reporting mode, we look for sections titled '*ReportingImpressionSectionStartText*' and we will only capture the content within that section.



When a report has an addendum, we show each complete addendum in the impression data nugget (with the most recent addendum first) in addition to the Impression text. We have no way of knowing if the addendum will alter the intent of the impression so we add the complete addendum text.



### How to enable the feature:

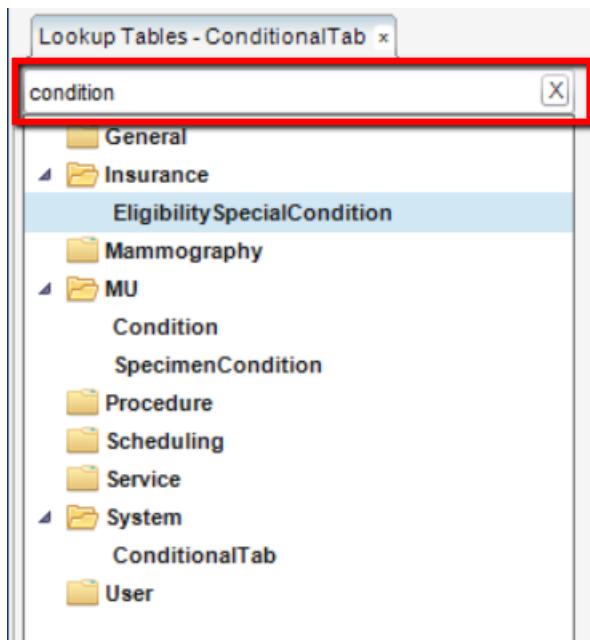
Under System Configuration, select the desired value for '*ReportingImpressionSectionStartText*'. No change is necessary when the default value of 'IMPRESSION' is desired. If a word other than IMPRESSION is used, such as CONCLUSION or a word in a language other than English, the value must be added.

The ability to view the Impression data nugget is controlled by the *DataNugget.Impression* access string as in previous builds. We now also share the access rules controlling the Report data nugget for the Impression data nugget. If the access strings "*Clinical.PreviewPreliminaryReport*" and "*Clinical.PreviewSuspendedReport*" are not set to Full, both the Impression and Report data nuggets will not display when the report is unsigned or suspended, respectively.

---

### 12457 - SEARCH CAPABILITY IN THE LOOKUP TABLE EDITOR

To assist administrators in quickly locating the desired lookup table, a search box has been added to the lookup editor. Typing in this search field will allow a user to filter the lookup tables by name. Any parent folders that contain lookup tables matching the typed text will be expanded to display the matching lookup. The "X" on the right side of the search box can be clicked to remove the filter. If a user opts not to use the search box, the list of lookup tables can be navigated as usual.



## 11968 – MANAGEMENT REPORT: PATIENT EMAIL AND CELL PHONE PERCENTAGES

A new Management Report has been added to display the percentage of email addresses and cell phone (mobile phone) numbers that have been collected in RIS for a given Practice/Site and Date Range. It can be found in the Operations folder.

### Patient Email and Cellphone Percentages

Practice: **Advanced Imaging, Radiology, and Health Services**

Site(s): All sites for the selected practice(s).

Date Range: 08-01-2015 - 10-26-2015

Description: This report shows the % of collected cell phone and email addresses for patients who've had studies within the specified practices, sites and date range. Dates are based on when the study was created rather than date of service.

Note: These numbers could change if a user were to update the patient cellphone or email addresses between the time this report was run and current date.

| Practice/Site           | Aug 2015     |             |               | Sep 2015     |             |               | Oct 2015     |             |               | Total        |             |               |
|-------------------------|--------------|-------------|---------------|--------------|-------------|---------------|--------------|-------------|---------------|--------------|-------------|---------------|
|                         | % with Email | % with Cell | Patient Count | % with Email | % with Cell | Patient Count | % with Email | % with Cell | Patient Count | % with Email | % with Cell | Patient Count |
| <b>Advanced Imaging</b> | 0%           | 100%        | 2             | 0%           | 2%          | 120           | 0%           | 3%          | 61            | 0%           | 3%          | 183           |
| <b>Advanced Imaging</b> | 0%           | 100%        | 1             | 0%           | 2%          | 60            | 0%           | 2%          | 60            | 0%           | 2%          | 121           |
| <b>Advanced Imaging</b> | 0%           | 100%        | 1             | 0%           | 0%          | 59            | 0%           | 100%        | 1             | 0%           | 3%          | 61            |
| <b>Advanced Imaging</b> | 0%           | 0%          |               | 0%           | 100%        | 1             | 0%           | 0%          |               | 0%           | 100%        | 1             |
| <b>Advanced Imaging</b> | 0%           | 0%          |               | 0%           | 0%          | 59            | 0%           | 0%          |               | 0%           | 0%          | 59            |
| <b>Advanced Imaging</b> | 0%           | 0%          |               | 0%           | 0%          | 59            | 0%           | 0%          |               | 0%           | 0%          | 59            |
| <b>Total</b>            | 0%           | 100%        | 2             | 0%           | 1%          | 238           | 0%           | 3%          | 61            | 0%           | 2%          | 301           |

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#### 11851 - ADD PHILLIPS SPEECHMIKE DRIVER EXTENSIONS TO CITRIX BRIDGE INSTALLER

To allow for a single installation on the Radiologist workstations, we now bundle the Phillips SpeechMike Citrix extension drivers with the Citrix Bridge installer.

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#### 11150 - NEW MULTI PHONE / EMAIL PATTERN NEEDS TO BE IMPLEMENTED FOR THE RIS UI UPGRADE SCRIPT

A new upgrade script was required to convert to the new multi- phone/email pattern. File patient phone number upgrade script.sql has been added.

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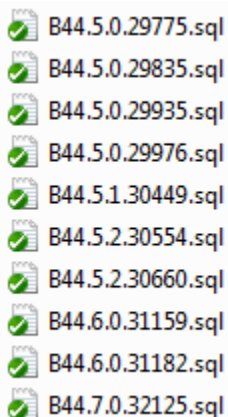
#### 12584 - UPGRADE DATABASE FROM B44.5+ CODE STREAM

B45.x (now known as 2016.x) and B44.5+ are 2 active code streams. Over the past 6 months, changes have been made to both streams and commercialized. An upgrade script was written to update a B44.4.0 database to B45.0.0, but since then, B44.5+ and B45+ continued to grow separately with feature additions and bug resolutions. This caused a break in the upgrade path to B45.x (aka 2016.x) if the existing database was upgraded to B44.5 or later in the B44 stream.

The scripts have been updated to upgrade from B44.5+ to B45.x as well as maintain the existing upgrade paths for customers already on the B45 release.

The current B45.0.0.29064.sql script will upgrade the system from 44.4.0.28609 to 45.0.0.29064. This is a large upgrade script that update from the B44 to B45 code stream.

The following B45 upgrade scripts have been added to all of the current B44.5+ upgrade scripts:



- B44.5.0.29775.sql
- B44.5.0.29835.sql
- B44.5.0.29935.sql
- B44.5.0.29976.sql
- B44.5.1.30449.sql
- B44.5.2.30554.sql
- B44.5.2.30660.sql
- B44.6.0.31159.sql
- B44.6.0.31182.sql
- B44.7.0.32125.sql



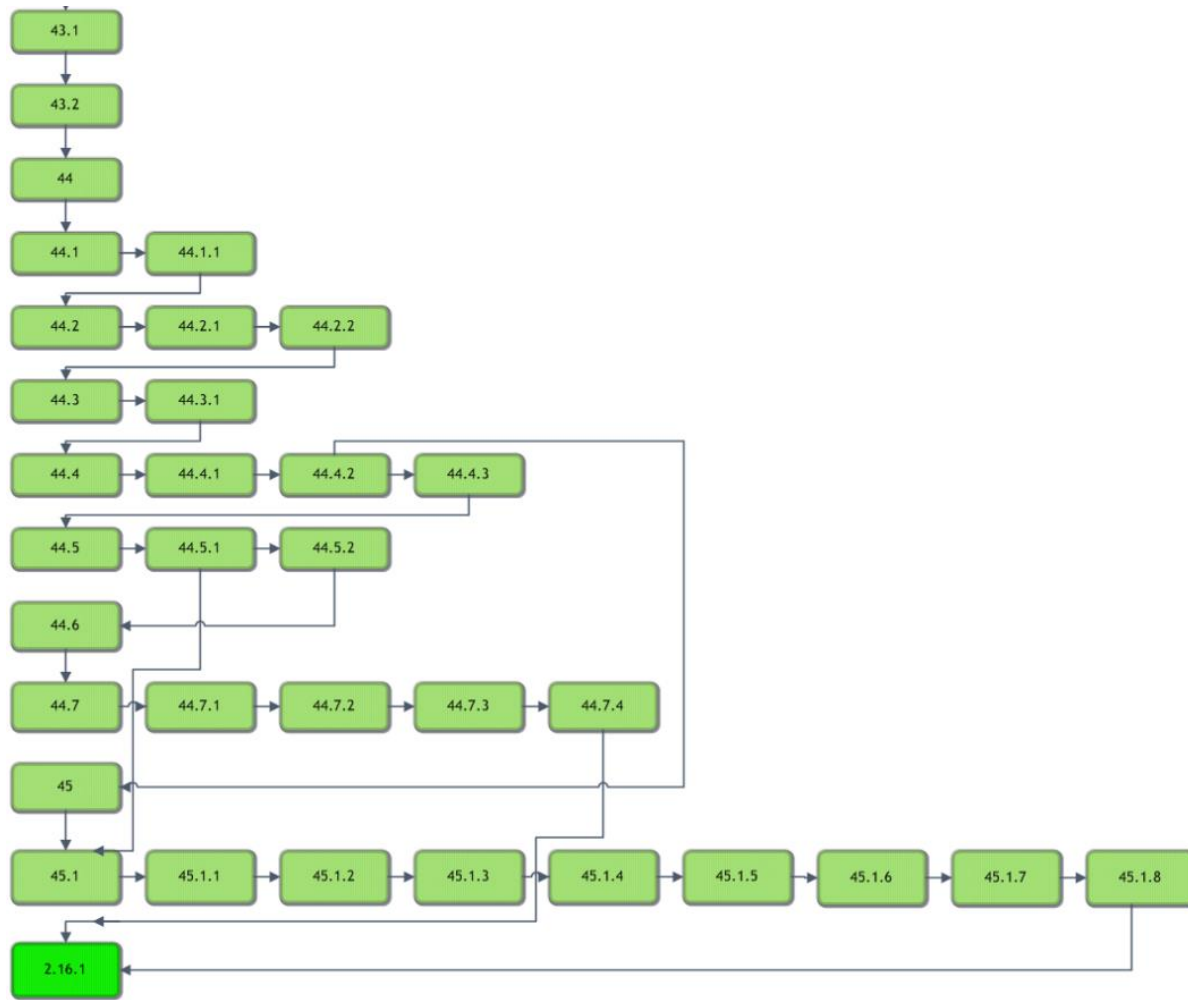
This will update a B44.x database to 44.7.0.32125.

Then there is a “delta” upgrade script to update the database to 45.0.0.29064, which is the first database version in the B45 stream. This script is called “B44.7.0.32125\_to\_B45.0.0.29064.sql”.

The “runscripts.bat” (an internal upgrade script) has been changed to skip the “B45.0.029064.sql” script if the “B44.7.0.32125\_to\_B45.0.0.29064.sql” was executed. This results in allowing the database to be upgraded from B44.5+ to B45.0.0.29064 without running the B45.0.029064.sql file, which would have caused errors because it upgrade to the same version, but from a different starting point.

After getting to this point, the database should be 45.0.0.29064. All subsequent scripts in the B45 stream, such as B45.0.0.29070.sql, B45.0.029158, B45.0.0.29270.sql and so on will be executed as normal upgrade process.

## CODE STREAM



### Legend:

Light Green = Released software

Gray = Will not be released

Bright Green = Current Release

## RIS RELEASE VERSION NUMBERS

| Build | Patch | UI Version          | Core Version   | WS Version     | DB Version     | Notes                                    |
|-------|-------|---------------------|----------------|----------------|----------------|--|
| 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, SSRS Deployment |
| 44.4  | 1     | 2.44.4.1.28953(3GB) | 2.44.0.0.26405 | 2.44.4.1.28953 | 2.44.4.0.28676 | Gui.zip and Web Service                  |
| 44.4  | 2     | 2.44.4.2.29327(3GB) | 2.44.0.0.26405 | 2.44.4.2.29327 | 2.44.4.0.28676 | Gui.zip and Web Service                  |
| 44.4  | 3     | 2.44.4.2.29722(3GB) | 2.44.0.0.26405 | 2.44.4.2.29327 | 2.44.4.0.28676 | Gui.zip and Web Service                  |

|               |   |                      |                |                |                |   |
|---------------|---|----------------------|----------------|----------------|----------------|---|
| 44.5          | - | 2.44.5.0.30022(3GB)  | 2.44.0.0.26405 | 2.44.5.0.30022 | 2.44.5.0.29976 | Gui.zip, Web Server, DB   |
| 44.5          | 1 | 2.44.5.1.30451(3GB)  | 2.44.0.0.26405 | 2.44.5.1.30451 | 2.44.5.1.30449 | Gui.zip, Web Server, DB   |
| 44.5          | 2 | 2.44.5.2.30705(3GB)  | 2.44.0.0.26405 | 2.44.5.1.30705 | 2.44.5.1.30554 | Gui.zip, Web Server, DB   |
| 45            | - | 2.45.0.0.29559(3GB)  | 2.45.0.0.26107 | 2.45.0.0.29559 | 2.45.0.0.29558 | Full Version Release  |
| 45.1          | - | 2.45.1.0.30774(3GB)  | 2.45.0.0.26107 | 2.45.1.0.30774 | 2.45.1.0.30738 | Gui.zip, Web Service, DB,<br>SQLReporting, Questionnaire,<br>Citrix support         |
| 45.1          | 1 | 2.45.1.1.31175(3GB)  | 2.45.0.0.26107 | 2.45.1.1.31175 | 2.45.1.1.31174 | Gui.zip, Web Service, DB,<br>SQLReporting, Questionnaire                            |
| 45.1          | 2 | 2.45.1.1.31175(3GB)  | 2.45.0.0.26107 | 2.45.1.2.31378 | 2.45.1.1.31174 | Web Service and Citrix Bridge   |
| 45.1          | 3 | 2.45.1.3.31452(3GB)  | 2.45.0.0.26107 | 2.45.1.3.31452 | 2.45.1.3.31369 | GUI.zip, Web Service, DB,<br>Questionnaire and Citrix Bridge                        |
| 45.1          | 4 | 2.45.1.4.31621(3GB)  | 2.45.0.0.26107 | 2.45.1.4.31621 | 2.45.1.4.31599 | GUI.zip, Web Service, DB,<br>Questionnaire and Citrix Bridge                        |
| 45.1          | 5 | 2.45.1.5.31773(3GB)  | 2.45.0.0.26107 | 2.45.1.5.31773 | 2.45.1.5.31771 | GUI.zip, Web Service, DB,<br>Questionnaire  |
| 45.1          | 6 | 2.45.1.6.32070(3GB)  | 2.45.0.0.26107 | 2.45.1.6.32070 | 2.45.1.6.31936 | GUI.zip, Web Service, DB,<br>Questionnaire, Citrix Bridge                           |
| 45.1          | 7 | 2.45.1.6.32070(3GB)  | 2.45.0.0.26107 | 2.45.1.6.32070 | 2.45.1.6.31936 | <b>Web Service for Wedge only.<br/>Version number of Wedge is<br/>45.1.6.32614</b>  |
| 45.1          | 8 | 2.45.1.8.33254(3GB)  | 2.45.0.0.26107 | 2.45.1.6.32070 | 2.45.1.6.31936 | GUI.zip   |
| <b>2016.1</b> | - | 2.16.1.0.33419 (3GB) | 2.16.1.0.33079 | 2.16.1.0.33419 | 2.16.1.0.33416 | GUI.zip, Web Service, DB,<br>Management Reports,<br>Questionnaire and Citrix Bridge |

## RESOLVED DEFECTS

Bugs, suggested features and support issues resolved in build 2.2016.1. The extract is taken from Redmine bug tracking system and only displays defects resolved in 2.2016.1.

| Bug # | Priority | Category         | Subject  |
|-------|----------|------------------|--|
| 11894 | Normal   | Access strings   | Access string rename needed for Notifications  |
| 13025 | Normal   | Admin-Other      | Orphaned configuration setting LocationLayoutFormatString and PortallImageMigrationToolUrl should be removed.                |
| 12837 | Normal   | Admin-Other      | Cannot set a "string" system configuration setting to empty when the system configuration setting has a default              |
| 12048 | High     | Admin-Other      | Medline plus URL change  |
| 12044 | High     | Admin-Other      | PrepInstructionType Lookup missing defaulting of display_order column  |
| 11852 | Normal   | Admin-Other      | Date format with lower case "m" should not be allowed in SystemConfig  |
| 11747 | Low      | Admin-Other      | Access string for WLNotification.* is confusing with the WL prefix. Should be just Notification.*                            |
| 8134  | Normal   | Admin-Other      | Unable to add schedule groups if none already exists   |
| 7217  | Low      | All Workflows    | Editing a phone number that contains a zero in the area code requires extra clicks to perform                                |
| 11923 | High     | Appointment book | Appointment Book - Rescheduling more than once creates duplicates (for different times)                                      |
| 12547 | High     | Billing          | Add/Edit billing codes- An item with the same key has already been added   |
| 11741 | Normal   | Billing          | Adding a billing code after an exam is Signed causes error   |
| 11021 | High     | Billing          | Billing status automatically updated to Pending after "Place billing on hold" is cleared                                     |
| 10317 | Normal   | Billing          | Billing Notes doesn't refresh properly on Checking In  |
| 8036  | High     | Billing          | Cannot post a payment with a non insurance billing method  |
| 11725 | Normal   | Billing          | Billing screen - c_study_item_certification_RowChanged event has a contrast related exception that happens in the background |
| 9218  | Normal   | CD Burning       | Destination path label doesn't display path if Auto Select is used   |
| 9217  | Normal   | CD Burning       | Remember users previous destination preference   |
| 12028 | Normal   | CD Import        | After completing a CD import get message InstallDir.txt  |

|       |                        |                           |   |
|-------|------------------------|---------------------------|---|
|       |                        |                           | cannot be found in folder I imported CD from on logout of RIS   |
| 12007 | Urgent<br>(next build) | CD Import                 | CD Import throws exception if DOS on disk cannot be found and time format is not dd-mm-yyyy   |
| 12005 | Urgent<br>(next build) | CD Import                 | CD Import or Legacy Data can overwrite the system MRN   |
| 11749 | Normal                 | CD Import                 | CD Import - fails to import all images.   |
| 10375 | Normal                 | CD Import                 | CD Import - Unable to see exam description when font size is Med or Large   |
| 8994  | High                   | Citrix Support            | ris.exe crashes on exit on Windows Server 2012  |
| 11960 | Normal                 | Confirmation              | Confirmation - Administered checkbox under Medications is always unchecked (visually)   |
| 12173 | High                   | Connect Portal-Scheduling | Error on importing procedure picker XML   |
| 11641 | High                   | Connect Portal-Scheduling | Search for an appointment solution for 2 or more studies returns for 2 different room and fragmented times                            |
| 4833  | High                   | Connect Portal-Scheduling | Appointment search wcf service should not log an error in the application event logs when an appointment solution could not be found. |
| 10767 | High                   | Dark Mode/Theming         | M*Modal Interactive Dictionary color problem  |
| 12594 | Normal                 | DB                        | Open Capacity pulling in default template when there is an override   |
| 12362 | Normal                 | DB                        | Phone/fax number fields should be 100 characters in length  |
| 12281 | High                   | DB                        | Error when previewing addended report in radiologist window   |
| 12081 | Normal                 | DB                        | Constraint issue CK_I_person_unknown_npi  |
| 12036 | Normal                 | DB                        | The SPS_ID is missing an index  |
| 11645 | Normal                 | DB                        | DB Cleanup to remove tables   |
| 10508 | Normal                 | DB                        | Db view called c_vw_WL_SignedByDate_My is obsolete.   |
| 8414  | Normal                 | DB                        | Removed former referring practice address references  |
| 12413 | Normal                 | DB                        | System generated MRN workflow - problem if issuer of patient ID is in issuer look up but is not system                                |
| 12778 | Normal                 | Digital Forms             | Error when saving digital forms   |
| 12687 | Normal                 | Digital Forms             | Cascading drop-downs options have a default 'Show on parent value' of 'test'  |
| 12605 | Urgent<br>(next build) | Digital Forms             | Previously completed digital forms don't always get carried over on Reschedule  |
| 12562 | High                   | Digital Forms             | Required field and Perform Exam actions conflict  |

|       |        |               |  |
|-------|--------|---------------|--|
| 12531 | Normal | Digital Forms | Message about server unavailable is displayed on the wrong monitor   |
| 12436 | Normal | Digital Forms | Required field validation issues on schedule order   |
| 12410 | Normal | Digital Forms | Digital form tabs holding perform exam in memory longer than necessary   |
| 12404 | Normal | Digital Forms | Digital Forms Editor - Empty expression with mapped variables causes whole editor to stop functioning                |
| 12391 | High   | Digital Forms | Read only digital forms should not attempt to save answers   |
| 12356 | High   | Digital Forms | Error opening perform exam for mammo study   |
| 12283 | Normal | Digital Forms | Required fields on digital forms aren't required unless the user looks at the digital form                           |
| 12263 | Normal | Digital Forms | Issue with logins from the browser redirecting to kiosk login instead of digital form editor                         |
| 12047 | High   | Digital Forms | Linked Digital Form checkboxes don't always set changes made flag  |
| 12041 | Normal | Digital Forms | ui-icons_454545_256x240.png missing  |
| 12037 | Normal | Digital Forms | Linked checkboxes not synced properly on checkbox toggle   |
| 12024 | Normal | Digital Forms | Circular references in expressions can cause unhandled exceptions which cannot be fixed                              |
| 12016 | Normal | Digital Forms | Flicker on digital form when tabs are rendered first as a list and then redrawn as tabs                              |
| 12015 | High   | Digital Forms | Changes not saved after connection to web server re-established  |
| 12014 | High   | Digital Forms | If communication service is interrupted while digital form tabs are being edited, the newly entered data may be lost |
| 11998 | Normal | Digital Forms | Digital forms should not reference CSS files from CDN servers  |
| 11943 | Normal | Digital Forms | Digital form answers are saved to the database even when no answer is provided                                       |
| 11940 | Normal | Digital Forms | Report Assistant is saving all digital forms regardless of changes   |
| 11917 | Normal | Digital Forms | Digital Form Expression Editor allows the user to make over 26 variables, but does not support more than 26          |
| 11885 | Normal | Digital Forms | Required field exclamation points not clearing on entering data (type-ahead/auto-text only)                          |
| 11877 | Normal | Digital Forms | Blank required fields on Digital Forms Answers pane prevents workflow  |
| 11876 | Normal | Digital Forms | Linked checkboxes not syncing properly in Report Assistant   |
| 11874 | High   | Digital Forms | Digital Form Editor - Tab order can't be set anymore   |

|       |                        |                       |   |
|-------|------------------------|-----------------------|---|
| 11859 | Normal                 | Digital Forms         | Un-including a study should remove any digital form tab(s) that only apply to that study                            |
| 11831 | Normal                 | Digital Forms         | Saved empty expressions with mapped variables cause error on refresh  |
| 11828 | High                   | Digital Forms         | Empty cascading dropdown values do not save properly  |
| 11696 | Normal                 | Digital Forms         | Radio buttons may still save an answer when hidden due to a rule  |
| 11678 | Normal                 | Digital Forms         | Required field message doesn't appear when on a different tab   |
| 11668 | Normal                 | Digital Forms         | Type-Ahead Textbox for Medication returning results with garbage text entered                                       |
| 11627 | High                   | Digital Forms         | A rule based on the value in an autotext field does not work  |
| 11603 | Normal                 | Digital Forms         | Localization of autotext form   |
| 11067 | Low                    | Digital Forms         | Digital Form Editor - Unable to clear font size to revert to default font size                                      |
| 7780  | Normal                 | Digital Forms         | Conditional Tab - exception raised in display criteria  |
| 12943 | High                   | Document Distribution | Print jobs occur when config setting turned off   |
| 5795  | Normal                 | Embedded Reporting    | Object reference error from ReportFields.SelectSection  |
| 11606 | Normal                 | EMR                   | Editing EMR MRN's needs to focus on MRN (start)   |
| 11539 | Normal                 | EMR                   | Duplicate MRN on EMR patient causes exception   |
| 7899  | Urgent<br>(next build) | EMR                   | Walk In Scheduling of EMR order does not allow you to see what was ordered by the EMR                               |
| 12412 | Normal                 | EMR                   | EMR order - problems when issuer is the same as an issuer in the I_issuer look up                                   |
| 12271 | Low                    | eRAD Editor           | eRAD Editor - automacro fields added through Fields tab of template/macro editor aren't treated as automacro fields |
| 11995 | High                   | eRAD Editor           | Inserting a text only macro into an optional field inserts it after the field.                                      |
| 11979 | High                   | eRAD Editor           | Subsequent macro insertions may jump to a seemingly random location in a report                                     |
| 11709 | High                   | eRAD Editor           | Field meta data is not being saved when pasting into report template with no fields                                 |
| 11483 | Normal                 | eRAD Editor           | Protected Field - although you cannot insert macros into protected fields, the behavior could be better             |
| 12114 | High                   | Insurance Eligibility | Insurance eligibility service can crash core RIS Services if a database connection error occurs                     |
| 11750 | Normal                 | Insurance Eligibility | Special Condition configuration that removes the Plan will cause eligibility to fail.                               |
| 11712 | Normal                 | Insurance Eligibility | Amount to collect on Self-Pay cannot be modified in some cases  |



|       |                        |                       |  |
|-------|------------------------|-----------------------|--|
| 11708 | Normal                 | Insurance Eligibility | Amount to collect field shows 4 decimal places in some cases   |
| 11706 | High                   | Insurance Eligibility | Amount to collect on Self-Pay doesn't display for manual entries (non-NPD)   |
| 9673  | Normal                 | Insurance Eligibility | Changes to Billing Codes not updating Amount to Collect on Self Pay  |
| 9215  | Normal                 | Insurance Eligibility | Tier 2 and advanced / complex parsing  |
| 9209  | High                   | Insurance Eligibility | Update on the order resulting in wrong IVT Intervention flag on the order table.   |
| 8368  | Normal                 | Insurance Eligibility | NULL filtering should default to disabled  |
| 8040  | Normal                 | Insurance Eligibility | Alter Coverage.JS insurance details viewer to display details when service type is inactive.                                 |
| 10426 | Normal                 | Insurance Eligibility | Amount to collect details  |
| 8448  | Normal                 | Insurance Management  | Attempt to alter Group Number or Group Name of Insurance Carriers causes a shift in the list and potential incorrect changes |
| 13144 | Normal                 | Interfaces            | External Interface AppointmentSearch is not working  |
| 13012 | Normal                 | Interfaces            | Source code for Ensemble Plugin not up to date with version in Assuta  |
| 12850 | High                   | Interfaces            | RIS Wedge causes an exception when attempting to expand<br>c_study_item_certification.downcoded_procedure_code               |
| 11911 | Urgent<br>(next build) | Interfaces            | Wedge interface channels should not need any modification between 44.x and 45.2  |
| 11865 | Normal                 | Interfaces            | Incorrect error message  |
| 11838 | Normal                 | Interfaces            | Inbound user_id fails with poor error message if person is not a user  |
| 11676 | Normal                 | Interfaces            | MRN - Issuer dropdown filtering out valid entries  |
| 8507  | Normal                 | Interfaces            | Mirth/Wedge matching a referring doctor by NPI does not return the "master" person key                                       |
| 12541 | High                   | IVT / Precert         | Self-Pay exams throw error on opening in IVT   |
| 9015  | Normal                 | IVT / Precert         | PreCert status not reflected in Reception WL   |
| 8594  | Normal                 | IVT / Precert         | IVT WL, Pre-cert status stays the same when changing insurance at arriving/checking stage.                                   |
| 8147  | High                   | IVT / Precert         | PreCert column on the Orders To Schedule worklist may not match the billing code pre-cert statuses                           |
| 12366 | High                   | Linked Reporting      | Unable to add linked studies with voided exam  |
| 11985 | Normal                 | Linked Reporting      | Worklist actions not working when primary study is in Arrived, but child studies are in ExamDone                             |
| 11858 | Normal                 | Linked Reporting      | Prior Report button no longer working from ScheduleOrder   |

|       |        |                       |  |
|-------|--------|-----------------------|--|
| 11507 | Normal | Linked Reporting      | Error changing primary study flag after it has already been set  |
| 12753 | Normal | Localization          | Localization required - 'Audit history' context menu option  |
| 12555 | Normal | Localization          | "Save as Order" translated only to "Save" in Hebrew  |
| 12115 | High   | Localization          | In Hebrew mode, worklists will throw an exception when opening the 'select statuses' filter option                                     |
| 11740 | Low    | Localization          | Second row of message box sentences is forming from left instead of from right in Hebrew.  |
| 11980 | Normal | Mammography           | BI-RADS picker is editable - causes Index out of range error   |
| 8067  | Normal | Mammography           | Missing access string for follow up screen   |
| 12576 | Normal | Meaningful Use        | C-CDA - Exception when no study data available   |
| 12501 | Normal | Meaningful Use        | CCDA stylesheets may need to be remapped due to changes in the Raw Container.  |
| 12454 | Normal | Meaningful Use        | CCDA - administrativeGenderCode is sending over null value when configured incorrectly   |
| 11945 | High   | Meaningful Use        | View MedlinePlus Info doesn't work for ICD10 codes   |
| 11916 | Normal | Meaningful Use        | Error producing CCDA in view/edit - mu - View CCDA   |
| 10526 | Normal | Meaningful Use        | New Diabetic Medications   |
| 9290  | Low    | Meaningful Use        | There are 4 access strings related to Labwork that need to be reviewed and possibly modified, in particular Clinincal.Labwork.Request. |
| 8674  | Normal | Meaningful Use        | Deleting a Medical History row then changing from "Use grid" to "None" gives error on Save.  |
| 8247  | Normal | Meaningful Use        | Save as Order - Column 'visit_key' is read only  |
| 8103  | Normal | Meaningful Use        | Transition of Care   |
| 7807  | Normal | Meaningful Use        | ProcessCPOEFlag can result in exception if performed end date is null  |
| 6900  | Low    | Meaningful Use        | CCDA preview is displaying requested lab orders under results  |
| 11723 | Normal | Mgt - Report - Custom | Procedure c_bi_mqsa not looking at extended birad code   |
| 13014 | Normal | Mgt Reports           | Peer review report - Review Summary by Radiologist not returning correct results - seems you cannot search for 1 day only.             |
| 12543 | Normal | Mgt Reports           | Mammo Technologist Summary - Procedure Code suppression  |
| 12468 | Normal | Mgt Reports           | Report deployment Option 7 deletes the backup folder it deploys from   |
| 11658 | Low    | Mgt Reports           | There are some reports that are sorted by First name not the Last Name   |
| 11261 | Normal | Mgt Reports           | Core Management Reports - Date time format   |

|       |                        |                               |   |
|-------|------------------------|-------------------------------|---|
| 13051 | Normal                 | MModal                        | Wrong recognizer files being downloaded when the user preferences set to "Automatically download recognizer".   |
| 12691 | Normal                 | MModal                        | Default field value for Pick List fields do not populate in Macros  |
| 12679 | Urgent<br>(next build) | MModal                        | Error when doing next workflow in M*Modal reporting mode  |
| 12650 | High                   | MModal                        | Issues with fields in the report editor.  |
| 12442 | High                   | MModal                        | Pick list selection into a field with dictated or typed text will render incorrectly  |
| 12441 | High                   | MModal                        | Previous field voice command intermittently not selected in field browser   |
| 11849 | High                   | MModal                        | Mapped non-required fields showing as required  |
| 11715 | High                   | MModal                        | When creating a template from report the auto macro doesn't work correctly  |
| 11704 | High                   | MModal                        | The protect data checkbox in template editor should be removed.   |
| 11493 | High                   | MModal                        | Conditional fields not working in M*Modal   |
| 11319 | High                   | MModal                        | MModal field controls - typing over selection   |
| 11318 | High                   | MModal                        | MModal Report Field Controls - 3 issues with the field controls   |
| 11014 | High                   | MModal                        | Picklist field changes from a field to plain text when the default value of the picklist is a macro with plain text in it.  |
| 11007 | High                   | MModal                        | Picklist that has an option that is a macro created in previous version of RIS, when selected in the dictation window, get error, macro cannot be inserted into report. |
| 10759 | Normal                 | MModal                        | Performance improvement opportunity in GetCurrentReportFields for MModal  |
| 10648 | Normal                 | MModal                        | Modifying a macro from within the dictation window, clicking Ok will produce an error   |
| 12409 | Normal                 | PACS (eRAD) Integration       | Sometimes you have to click OK twice to RIS message "Action required in PACS before continuing" to continue working in RIS  |
| 9633  | High                   | PACS (eRAD) Integration       | When using PS360 and creating an autotext it is possible to hang the PACS viewer  |
| 12859 | Normal                 | PACS (Non - eRAD) Integration | PACS integration is prompting the rads too much with message boxes after the new update.  |
| 12351 | Normal                 | Patient Folder                | Assuta in Hebrew mode, Peer review button is not translated   |
| 10613 | High                   | Patient Folder                | Data Nuggets do not close when we close the patient folder tab  |

|       |        |                         |   |
|-------|--------|-------------------------|---|
| 12779 | High   | Patient Merge           | Error on Patient Merge  |
| 8160  | Normal | Patient Merge           | Previous MRNs not showing in Alternate MRN grid after a merge   |
| 12056 | High   | Payment control         | Error adding payment: Column 'Remaining_balance' does not belong to table c_payment   |
| 12132 | Normal | Performance             | Performance enhancement - Loading Datasets for MModal Document Models while in Erad mode  |
| 12131 | Normal | Performance             | Performance enhancement - Next workflow   |
| 12130 | Normal | Performance             | Portal window in reporting screen is re-initializing after already being loaded.  |
| 12128 | Normal | Performance             | Perform Exam screen repeatedly requests the same data on open   |
| 12101 | Normal | Performance             | UI performance is poor when switching main tabs in reporting screens  |
| 12094 | Normal | Performance             | eRAD Reporting Performance - General performance enhancement populating fields  |
| 12052 | High   | Performance             | Performance enhancement - Loading and processing of reporting layouts   |
| 12666 | High   | Person Management       | NPI Link No Longer Valid in Personnel Editor  |
| 8372  | Low    | Person Management       | Buttons are not entirely visible in the Add Radiologists form under the Referring Preferences   |
| 12608 | High   | Platform                | PDFViewer project is requiring .NET Framework 4.5. All other eRAD RIS projects currently only required 4.0. PDF Viewer should require only 4.0. |
| 12040 | Normal | Portal Viewer           | Missing top of browser control and tabs   |
| 11515 | High   | Portal Viewer           | Unable to remove a portal launcher rule once added  |
| 12580 | Normal | Powerscribe Integration | Wait when launching a report in PowerScribe using the button on the reporting screen.   |
| 10743 | Normal | Powerscribe Integration | When failing to open a report in PowerScribe, study keeps returning in next workflow  |
| 11251 | Normal | RADAR                   | Quick RADAR Message - Add Auditing to RADAR messages  |
| 11765 | High   | Radiology Peer Review   | Peer Review - Missing access string for Mark As Completed   |
| 12683 | High   | Radiology Peer Review   | Add peer reviewed count to the daily statistics dashboard   |
| 12681 | High   | Radiology Peer Review   | Peer review button should disable when the user is not able to perform a review   |
| 12678 | High   | Radiology Peer Review   | Peer review screen is not resizable   |
| 12677 | High   | Radiology Peer Review   | Change spelling when loading the peer review QA screen.   |
| 13162 | High   | Radiology Reporting     | Unable to sort exception opening the reporting screens without .net 4.5   |

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|-------|---------------------|---------------------|---|
| 13113 | Normal              | Radiology Reporting | Error when signing a report   |
| 12728 | Normal              | Radiology Reporting | Report data nugget is enabled for reports in dictated or exam done status without access to 'Clinical.PreviewPreliminaryReport'                             |
| 12727 | Normal              | Radiology Reporting | Impression data nugget is available when access string are not granted  |
| 12667 | High                | Radiology Reporting | Datasets are localized creating problems for advanced data fields in all languages other than English   |
| 12662 | Low                 | Radiology Reporting | Custom fields and DataFields are showing on the field control as the same, icon should be different.  |
| 12593 | Normal              | Radiology Reporting | M*Modal - Invalid field selection when inserting a pick list option set to navigate to previous field   |
| 12575 | Urgent (next build) | Radiology Reporting | Selected Report - When failing to load the selected report the previous report images is persisted  |
| 12574 | High                | Radiology Reporting | Signed studies without a migrated report not presenting message appropriately all the time  |
| 12512 | High                | Radiology Reporting | Report history control causes an error when opening on a legacy (imported) report   |
| 12421 | Urgent (next build) | Radiology Reporting | Report Editor - Populating fields with mixed Hebrew and English words renders incorrectly   |
| 12225 | High                | Radiology Reporting | Log Control - The Assign to Radiologist Notes do not support AutoText only  |
| 12214 | Normal              | Radiology Reporting | Improve screen appearance between screen loads "next workflow"  |
| 12185 | High                | Radiology Reporting | When editing an existing data field, protect check box is not available   |
| 12170 | Normal              | Radiology Reporting | Adding a conditional field produces an error when entering the expression value in the conditional value grid and clicking OK button in Field Editor window |
| 12129 | Normal              | Radiology Reporting | CC Physicians not being cleared in exam details pane on reporting screens (Reuse)   |
| 12063 | High                | Radiology Reporting | Portal window - TabSelectionChanged error when skipping through cases with Reuse turned on.   |
| 12059 | Normal              | Radiology Reporting | Preview report in rad screen on addendum before save doesn't work   |
| 12055 | Normal              | Radiology Reporting | Portal window loads even when not visible, and it can load before the ParentContentBase is loaded.  |
| 12051 | Normal              | Radiology Reporting | eRAD Reporting Performance - Calling delete field with the paint argument set to true taking a long time  |
| 12039 | Normal              | Radiology Reporting | Adding macros with fields in a report that doesn't have a default template causes empty fields when macro is inserted a 2nd time                            |

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|-------|--------|---------------------|---|
| 12022 | Normal | Radiology Reporting | RTL - When adding assignments or procedures to a macro or template the arrow that is highlighted and enabled is pointing the wrong way                      |
| 12019 | Normal | Radiology Reporting | Create Edit Report from Perform Exam loads templates for current user   |
| 12012 | Normal | Radiology Reporting | Reporting Layout - Localization bug   |
| 11975 | Normal | Radiology Reporting | RTL - Report Assistant save button on wrong side in RTL   |
| 11933 | High   | Radiology Reporting | When verifying edits the 'Send for dictation and close/continue' should not be available options  |
| 11922 | High   | Radiology Reporting | Editor split button options should be controlled by access string and more descriptive naming of options  |
| 11912 | High   | Radiology Reporting | In right to left mode, the tabs for digital form answers and report assistant tool windows should be on the right   |
| 11860 | Normal | Radiology Reporting | Reporting Layouts - When using custom output file path the deployed layouts do not load   |
| 11827 | Normal | Radiology Reporting | Error when trying to do an addendum on Legacy reports   |
| 11675 | High   | Radiology Reporting | Indication required but could not add an indication.  |
| 11660 | High   | Radiology Reporting | Findings - if procedure 'findings required flag' is set to N, the context menu item (Set Required Followup Flag) in patient folder, should not be available |
| 11615 | Low    | Radiology Reporting | Finding Follow Up - audit message after adding and removing follow up is spelled inconsistently   |
| 11609 | High   | Radiology Reporting | Finding Follow Up - Missing lang item for finding code in the finding follow up worklist  |
| 11591 | High   | Radiology Reporting | MModal - create a template from report - auto macros are not working correctly.   |
| 11573 | High   | Radiology Reporting | Shortcut keys for 'Create and Continue' and 'Create and close' required for the reporting editor  |
| 11570 | High   | Radiology Reporting | Dictation field in Summary Panel in dictation window copy option throws error   |
| 11499 | Normal | Radiology Reporting | Report Assistant - no scroll bars   |
| 11491 | High   | Radiology Reporting | Conditional fields navigation setting is not working  |
| 11473 | High   | Radiology Reporting | In the editor window, the shortcut CTRL+ALT+S should be changed because the action button has been renamed from 'transcribe' to 'edit'                      |
| 11005 | High   | Radiology Reporting | Template editor - some of the command bar buttons are producing an error, ie: Preview Report  |
| 10980 | High   | Radiology Reporting | Exceptions raised in Template Macro Lookup working with M*Modal reporting mode  |
| 10969 | Normal | Radiology Reporting | TemplateMacro lookup table locks RIS when user has limited reporting modes  |
| 10968 | Normal | Radiology Reporting | TemplateMacro lookup table error when user has specific reporting modes   |

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|-------|---------------------------|---------------------|---|
| 10612 | Normal                    | Radiology Reporting | Word Report Viewer does not close when closing the patient tab  |
| 10482 | High                      | Radiology Reporting | External Reporting Mode - Unable to mark addendum as read   |
| 9639  | High                      | Radiology Reporting | Error when clicking the Pending Dictation Tab while an exam is loading in Dictation window  |
| 9625  | High                      | Radiology Reporting | Patient history control throws a hidden exception   |
| 9564  | Normal                    | Radiology Reporting | On opening of dictation Window - exam details tool window is incorrect  |
| 9306  | Normal                    | Radiology Reporting | Sign Report button missing on All Signed Pending QA   |
| 9305  | Normal                    | Radiology Reporting | Sign Report button missing on All Dictated WL   |
| 9304  | Normal                    | Radiology Reporting | Sign Report button disabled when in dictated status   |
| 9303  | High                      | Radiology Reporting | After suspending a report and then moving to Dictated or Draft the suspend flag remains   |
| 9302  | Normal                    | Radiology Reporting | Pending Signature WL has context menu Dictate but no button   |
| 9257  | High                      | Radiology Reporting | EditorSpeechControl error when modifying a template or macro for the 1st time after an upgrade.   |
| 8055  | Urgent<br>(next<br>build) | Radiology Reporting | Proxy sign - buttons mislabeled   |
| 5494  | Normal                    | Radiology Reporting | Template/Macro editor from lookup editor won't prompt to save changes when closing the screen.  |
| 3784  | Normal                    | Radiology Reporting | Reporting docked windows not maintaining current tab selections   |
| 7774  | Low                       | Radiology Reporting | Bar-code scanning won't accept lower case letters and converts to symbols   |
| 11846 | Urgent<br>(next<br>build) | Reception           | A signed study may return to checking in or arrived   |
| 11295 | High                      | Reception           | Multi-Orders don't display correctly on opening Register  |
| 11230 | High                      | Reception           | Referring physician alert gets shown a second time when clicking the 'Checking In' button   |
| 12389 | Normal                    | Scheduling          | Cannot remove procedure from a procedure plan   |
| 12029 | Normal                    | Scheduling          | Error appears when cancelling a study from the reschedule window from the appointment book  |
| 12017 | Normal                    | Scheduling          | Appointment book load times too slow  |
| 11818 | Normal                    | Scheduling          | When trying to reschedule one study out of a procedure plan, get an error if one of the exams in the procedure plan is in exam done status. |
| 11151 | Low                       | Scheduling          | Clearing Patient Flag notes adds empty string which causes alerts to display extra line with hyphen   |
| 9578  | Low                       | Scheduling          | Follow Up Date - Can't use 2 digits for year  |

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|-------|--------|----------------------|---|
| 8408  | Normal | Scheduling           | Inactive rooms showing in calendar view.  |
| 11949 | High   | Structured Reporting | eRAD Editor - When a conditional field exists and the expression is null, auto macros won't populate          |
| 12274 | High   | Technologist         | Should be able to disable tech notes as required field  |
| 12252 | High   | Technologist         | Assigned radiologist dropdown empty on initial opening of Perform Exam  |
| 12025 | Normal | Technologist         | Hebrew mode: Perform exam window - required flag for tech notes is cut off.                                   |
| 11529 | High   | Technologist         | Contrast - Leaving contrast/sedation amount/units blank on multi-study order can cause false validation fails |
| 11254 | Normal | Technologist         | Study Sedation doesn't work with multiple study items   |
| 9617  | Normal | Technologist         | Suspended flag remains when documenting multi-study in perform exam screen                                    |
| 9422  | Normal | Technologist         | User is able to complete an exam that Requires contrast without entering a contrast.                          |
| 9186  | Normal | Technologist         | Sedation - Changing performed procedure in Perform Exam doesn't remove sedatives                              |
| 9166  | High   | Technologist         | Contrast is required on view/edit when contrast setting is set to true and is required                        |
| 8587  | Normal | Technologist         | Contrast amounts that exceed Max Value are acceptable upon Saving in Perform Exam window                      |
| 12659 | Low    | Thick Client GUI     | Search in lookup editor is not closing the folders correctly when the delete (x) is clicked.                  |
| 11946 | Normal | Thick Client GUI     | Error logging in to RIS: "The given key was not present in the dictionary"                                    |
| 7936  | Normal | Thick Client GUI     | Patient screen icons should have borders (Patient search and New Patient)                                     |
| 6084  | Normal | Thick Client GUI     | MU- CCDA problem and vital signs and goals section  |
| 6083  | Normal | Thick Client GUI     | MU- CCDA Procedure section is incomplete  |
| 6050  | Normal | Thick Client GUI     | RadNet - Edit Units - sometimes saving units as "1000" arbitrarily  |
| 3300  | Low    | Thick Client GUI     | Scroll bar in lookup editor allows to scroll way below any entries.   |
| 2133  | Low    | Thick Client GUI     | Timing issue between RIS and Jabber   |
| 12471 | Normal | UI Look and feel     | When closing a lookup editor, it closes the tab completely  |
| 12470 | Normal | UI Look and feel     | Login screen should select all text when tabbing into username or password fields                             |
| 11966 | Normal | UI Look and feel     | Mammo Biopsies Window - Cancel and ESC Key functionality  |
| 11781 | Normal | UI Look and feel     | Patient tab tabbing opportunities   |
| 11773 | High   | UI Look and feel     | Follow Up context menu item does not work   |
| 11731 | Low    | UI Look and feel     | Emergency Contact showing as required on Registration   |



|       |        |                        |   |
|-------|--------|------------------------|---|
| 11577 | Normal | UI Look and feel       | When skipping though cases, tab title switches from Loading... Assigning.. Dictating...                     |
| 10919 | Normal | UI Look and feel       | Change font size feature does not change the size in the menus  |
| 10409 | Normal | UI Look and feel       | Insurance policies grid and Manage policies window have columns in different order                          |
| 9640  | Normal | UI Look and feel       | Alert prompt verbiage for inaccurate Units value needs to be changed.                                       |
| 9299  | Normal | UI Look and feel       | User preferences screen alignment and spacing.  |
| 8543  | Normal | UI Look and feel       | Pin at top or bottom of insurance policies does not function  |
| 8266  | High   | UI Look and feel       | When running application without RISDeployment folder the title bar says "eRAD RIS (Developer as UserName)" |
| 8057  | Normal | UI Look and feel       | System Config description clean up  |
| 7121  | Normal | UI Look and feel       | Next workflow doesn't look good at all in between screen loads  |
| 8505  | Normal | Unknown Reconcile      | Changing an unknown referring doctor on an order performs a partial person merge.                           |
| 8053  | Normal | Utilization Management | Issue removing rows for additional procedures   |
| 12522 | Normal | View Edit              | Notes/Exam Times missing edited by user   |
| 12350 | Normal | View Edit              | Assuta - In the View/edit window there is an action button sitting on top of another action button          |
| 12880 | Normal | Web Services/DB        | Missing index on study_key in c_questionnaire_answer  |
| 12500 | Normal | Web Services/DB        | Not all data set column max lengths match those of columns in db  |
| 12401 | Normal | Web Services/DB        | Fill statement incorrect on c_questionnaire_completion_status   |
| 12247 | Normal | Web Services/DB        | The RequestedByAndRequestByAddressKeyRelation wcf test case occasionally fails during build process         |
| 12116 | High   | Web Services/DB        | MU Export Service can terminate Core RIS Services if a database connection error occurs                     |
| 11046 | High   | Web Services/DB        | Personnel - Medical Group added to Referring Physician breaks RIS   |
| 10814 | Low    | Web Services/DB        | Reschedule prompt improperly locking studies/orders   |
| 12585 | Normal | Worklists              | Supervising Dictation work list throws exception  |
| 12560 | Normal | Worklists              | Referring Portal Patient Folder view only shows scheduled modality for Room Name column                     |
| 12521 | Normal | Worklists              | Patient Folder - Edited by column missing from the worklist   |
| 12504 | Normal | Worklists              | Patient folder could not be retrieve when connecting to the rRIS_Dev2 database                              |
| 12458 | High   | Worklists              | Status localization removed after applying filters  |

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|-------|---------------------------|-----------|--|
| 12120 | Urgent<br>(next<br>build) | Worklists | The RIS Service method RefreshWorklistForPatient is no longer being called             |
| 12119 | High                      | Worklists | Worklist Count - is still referencing old deprecated c_vw_client_worklist view         |
| 12113 | Urgent<br>(next<br>build) | Worklists | Many worklists are performing very slowly on rRISDev2 database                         |
| 12096 | High                      | Worklists | Room Name column on worklists based on scheduled Modality only, not performed Modality |
| 12095 | Normal                    | Worklists | Patient folder worklist does not show room description                                 |
| 12053 | High                      | Worklists | System.IndexOutOfRangeException: Index was outside the bounds of the array.            |
| 12030 | Normal                    | Worklists | The signed by date for all worklist timeouts   |
| 11879 | Normal                    | Worklists | No access string for the Reception WL  |
| 11629 | Normal                    | Worklists | Image Request WL requires new "name" equivalents columns with description              |
| 10720 | Normal                    | Worklists | Possible SQL injection on WL queries with parameter order by                           |
| 8390  | High                      | Worklists | Inconsistent RIS Filter Results  |

**KNOWN LIMITATIONS**

The following are bugs, suggested features and support issues found in build 2.2016.1.

Bugs reported in previous versions are not repeated here.

| #     | Status | Priority | Subject  |
|-------|--------|----------|--|
| 12933 | New    | Normal   | Selected Report tool window - When reloading a legacy report, the previously loaded legacy report is displayed first.                        |
| 12907 | New    | High     | Reading_stat_flag - right click menu only sets it on the study   |
| 12876 | New    | Normal   | IsCitrixBridgeAlive timed out error.   |
| 12838 | New    | Normal   | Selected Report tool window - When reloading a legacy report, and moving the window around, the report duplicates itself in the tool window. |
| 12746 | New    | Normal   | Voice cue navigation for datafields and picklists fields not working   |
| 12745 | New    | Normal   | Field Browser - Fields not updating when voice navigation  |
| 12725 | New    | Normal   | Reusable fields are not populating when the template is inserted into a report   |
| 12689 | New    | Normal   | Running RIS in Minimized mode, logging in twice produces a message that is hidden, have to quit RIS from task manager.                       |
| 12684 | New    | Normal   | MModal - create a template from report - data fields are populating.   |
| 12617 | New    | Normal   | Registration screen retrieves the same data more than once   |

|       |          |        |   |
|-------|----------|--------|---|
| 12601 | New      | Normal | Calculated columns on insurances are not updated when all insurances are removed  |
| 12599 | New      | Low    | Procedure Picker - Unable to delete Attribute Types   |
| 12596 | New      | High   | Precert information cannot be seen for Order IVT window from cancelled study  |
| 12591 | New      | Normal | Template/Macros - Conditional field the default column is not working correctly when set to True  |
| 12565 | New      | Normal | Rad screen - Opening legacy report in patient folder closes legacy report in tool window  |
| 12536 | New      | Normal | Contrast validation may complain about rows that are not visible  |
| 12279 | New      | Normal | Unique key violation during walkin process after switching orders   |
| 12213 | New      | Normal | Cannot filter the Prep Intruction Code column of Procedure Code lookup table if Prep Instruction Code has an apostrophe                 |
| 12176 | New      | Normal | Updates to only issuer_of_patient_id will not result in updates to c_patient_key_data via trigger                                       |
| 12171 | New      | Normal | Available_datetime in the action queue is set by RISService box time instead of DB time   |
| 12925 | Resolved | Normal | Getting Get Data/DisplayData when editor is MModal and you attempt to dictate an exam when 'Insert template with markers' is turned on. |
| 12894 | Resolved | Normal | Biopsy screen has not been localized  |
| 12854 | Resolved | High   | Cannot Create/Edit report from perform exam on PACS correction enabled studied.   |

|       |          |        |   |
|-------|----------|--------|---|
| 12835 | Resolved | Normal | Extra character appended to a field   |
| 12834 | Resolved | High   | Reschedule study can cause other studies from same order awaiting reschedule to fall off worklist   |
| 12808 | Resolved | High   | "Send to" button on reporting screen allows to fax/print preliminary reports even if user should not have access.   |
| 12744 | Resolved | Normal | Attachment viewer on the patient folder (both main and mini) will not load the report initially   |
| 12174 | Resolved | Normal | Procedure Picker Scrolling Bar Issue  |
| 12842 | New      | Normal | Verify Credentials window has spinning blue circle (hour glass)   |
| 12425 | New      | Normal | Specific identity validation errors   |
| 13266 | New      | Normal | Editing billing codes   |
| 13263 | New      | Normal | Template editor lookup, result tab, filter the grid by default = Y, edit one of the templates, get error when saving the template.                            |
| 13248 | New      | High   | Peer review window - if font is not set to Small either part of the word or all of the word 'review' is missing in the sentence 'I disagree with this review' |
| 13237 | New      | Normal | WL Filter FFlag selection is not translated   |
| 13224 | New      | Normal | When Phone number mask is disabled, the phone numbers are displayed in a mask in the referring addresses lookup table.  |
| 13204 | New      | High   | EMR Ordering - Left over EMR order that is not mapped cannot be accessed again from work lists  |
| 13182 | New      | Normal | Report that is sent to PACS has the element {BR} displayed in the   |

|       |              |        |   |
|-------|--------------|--------|---|
|       |              |        | report. The report in RIS has a bolded section but the same section in the template is not bolded.  |
| 13172 | New          | Normal | mModal 7.93 dictation commands that do not work.  |
| 13049 | New          | Normal | Inserting a macro with picklist with default macro option multiple times doesn't work   |
| 13011 | New          | Normal | Log control fields dont separate auto text  |
| 12996 | New          | High   | EMR Ordering - Left over EMR order that is not mapped cannot be accessed again from work lists  |
| 12989 | New          | Normal | Import scheduled procedures window is displaying order procedure description instead of scheduled procedure description                                     |
| 12918 | New          | Normal | Patient merge - Phone numbers and email addresses unselected if patient merge is opened when patient folder is open   |
| 13067 | Peer Testing | Normal | Linked studies dialog OK button should be disabled  |
| 13053 | Peer Testing | Normal | Linked studies dialog checkboxes should be disabled   |
| 13156 | Resolved     | Normal | Hebrew localization for Digital Forms and Selected Digital Forms  |
| 13066 | Resolved     | Normal | Unable to dictate on linked studies pending pacs correction   |
| 13010 | Resolved     | Normal | Creating an addendum on a study existing on the QA worklist will remove it from QA worklist - also unclear which version we are reviewing when in QA screen |
| 13009 | Resolved     | Normal | Error on reschedule when digital form has not yet loaded  |
| 12993 | Resolved     | Normal | Increase character limit on External Notification Email Address   |

|       |          |        |   |
|-------|----------|--------|---|
|       |          |        | column for MessageGroup table   |
| 12980 | Resolved | Normal | Peer review button enabled when creating addendum even if you previously peer reviewed it   |
| 12971 | Resolved | Normal | Error message when opening the Review window from Peer Review WL.                           |
| 12959 | Resolved | Normal | Questionnaire -when creating rulesets, Check box needs text in order to work                |
| 13035 | New      | Normal | EMR Orders - Register window only shows 1 of 2 mapped orders                                |
| 13231 | New      | Normal | RadShortcut error possible when loading two peer review cases that prompt the user on open. |
| 13223 | New      | Normal | Add payment, check-in and save, receipt is not auto printed                                 |
| 13217 | New      | Normal | Aborting a started study can result in an error on the billing codes tab                    |
| 13212 | New      | High   | Issues with arrive multiple dialog and timezone   |
| 13023 | New      | Normal | Some configuration settings are not populating default values in an upgrade or new install  |
| 13015 | New      | Normal | "PreCert Required" blank when it should be showing Not Required                             |
| 12972 | New      | Normal | MU - Medical history search for ICD codes can only select one at a time                     |
| 12949 | New      | Normal | Referring physician alert not being displayed on Schedule Order/Registration/Walk-In        |

|       |              |        |  |
|-------|--------------|--------|--|
| 12942 | New          | High   | Inserting a text macro into a field may produce different results if the field is selected from the report tool window rather than the fields tool window. |
| 12952 | Peer Testing | Normal | Inactive prep instructions still being displayed   |
| 13211 | Resolved     | Normal | Error scheduled an EMR order when Issuer ID is the same as different Issuer ID for same patient  |
| 13161 | Resolved     | Normal | Study remains locked by your user, after tentatively signed is released  |
| 13077 | Resolved     | Normal | Procedure Picker - Unable to use the editor on a new system  |
| 13074 | Resolved     | Normal | Running ImportDataFileUpgradeDB.bat on a new install causes an exception   |
| 13029 | Resolved     | Normal | Error on Rechedule from No Show WL and Orders to Schedule WL   |
| 13019 | Resolved     | Normal | Not able to make changes to date/time in Notes/exam Times in Scheduling and arriving statuses  |
| 13006 | Resolved     | Normal | Perform Exam - Notes/Exam Times - disabled fields become enabled when including a second study   |