

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 Replaces 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 Replaces WLNnotification.PendingBiopsyNotify	Full	Enables ability to show worklist driven pending biopsy notifications

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Notification.PendingSignatureWorklist Replaces WLNnotification.PendingSignatureWorklist	Full	Enables ability to show worklist driven pending signature notifications
Notification.STATPendingSignature Replaces WLNnotification.STATPendingSignature	Full	Enables ability to show STAT Case Pending Signature notifications
Notification.STATPendingSignatureWorklist Replaces WLNnotification.STATPendingSignatureWorklist	Full	Enables ability to show worklist driven STAT Case Pending Signature notifications
Notification.SuspendedNotify Replaces WLNnotification.SuspendedNotify	Full	Enables ability to show suspended notifications
View.DigitalFormAnswers Replaces 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	Replaced with MUMedlinePlusConnectProblemSearchICD10 MUMedlinePlusConnectProblemSearchICD9 MUMedlinePlusConnectProblemSearchSNOMED
NPDServiceAddress		URI to NPD Service. If blank, we will use the address in the application config. An example URI is: http://10.10.1.23/NPDService/NPDService.asmx
NPI_URL	https://npiregistry.cms.hhs.gov/registry/search-results-table?first_name={firstname}&last_name={lastname}	URL to NPI registry including placeholders for {firstname} and {lastname}
ReferringAddressCode	Removed	The referring practice address pattern was replaced with a referring doctor address editor. Therefore: references to ReferringAddressCode config needs to be removed.
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:

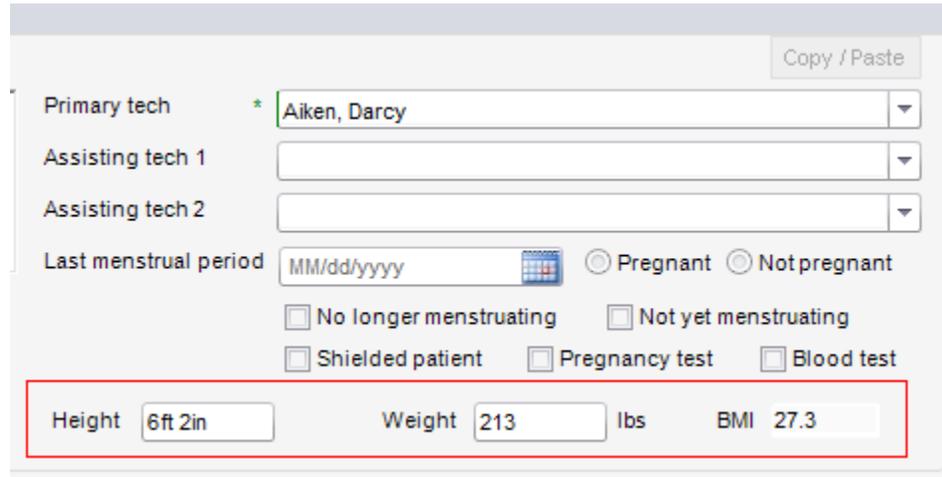
Setting	Default value	
LegacyInterfaceMode	True	Changes in 45, 45.1 and 2016.1 for some customers required interface files to be updated. This setting will allow pre-existing customers to continue to use their current interfaces without adjustment.

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.



The screenshot shows a form for technologist documentation. At the top right is a 'Copy / Paste' button. Below it are three dropdown menus for 'Primary tech' (selected 'Aiken, Darcy'), 'Assisting tech 1', and 'Assisting tech 2'. The 'Last menstrual period' field is followed by a calendar icon and radio buttons for 'Pregnant' and 'Not pregnant'. Below these are checkboxes for 'No longer menstruating', 'Not yet menstruating', 'Shielded patient', 'Pregnancy test', and 'Blood test'. At the bottom, a red box highlights the 'Height' field (6ft 2in), 'Weight' field (213 lbs), and 'BMI' field (27.3).

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/1.73m²

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.

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" with two checked checkboxes. The first checkbox is "ID verified (injector)" with "Verified by: Yeo, Dale (902) 555-5555" and "Verified date: 09-28-2015 14:50". The second checkbox is "Injection signed" with "Signed by: Yeo, Dale (902) 555-5555" and "Signed date: 09-28-2015 14:53".

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

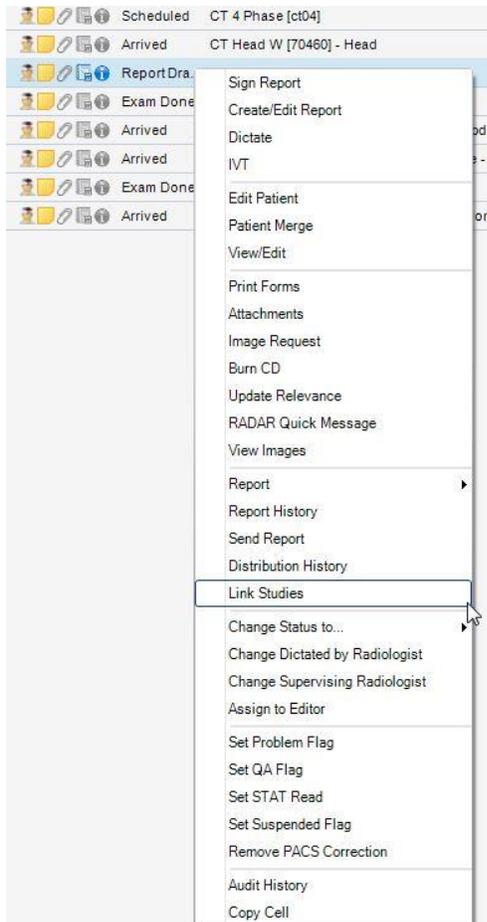
RADIOLOGIST

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

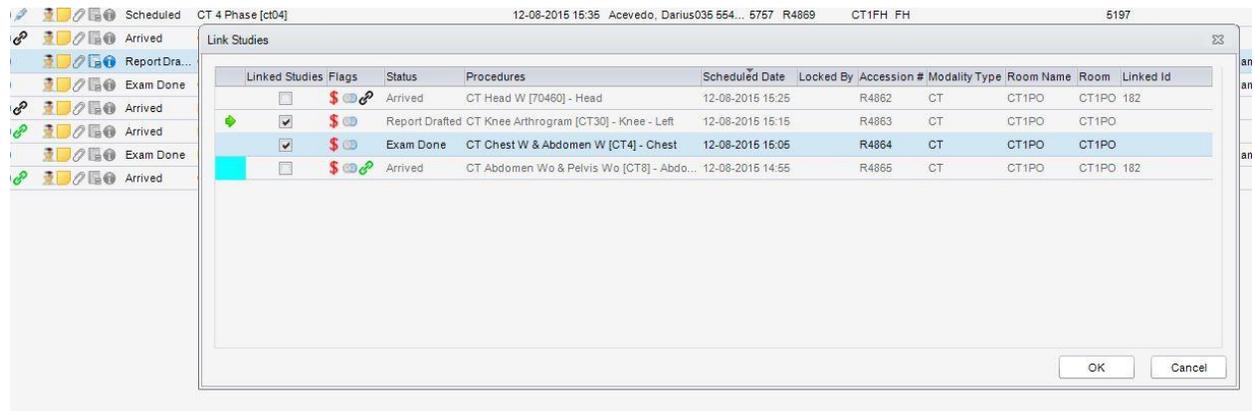
Previously, linked reporting in eRAD RIS could only be done when a Procedure Plan was used, and did not include the ability to manually link or unlink studies on demand. This prevented users from reporting on multiple exams together if they had not initially been scheduled/registered using the appropriate 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.

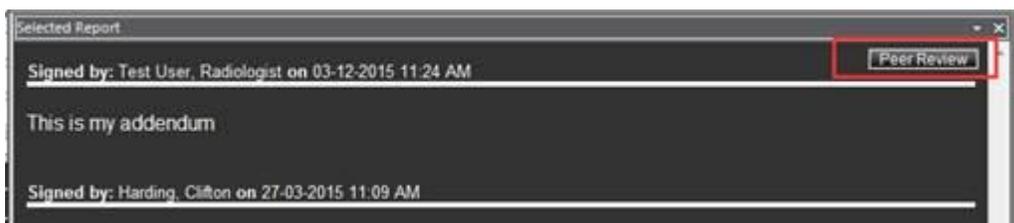
When linking, if the primary exam is post Exam Done status, then secondary exams which are at least at Exam Done will have their status sync with the primary. When *unlinking*, if the primary exam is post Exam Done status, then secondary exams are rest to Exam Done status after being unlinked.

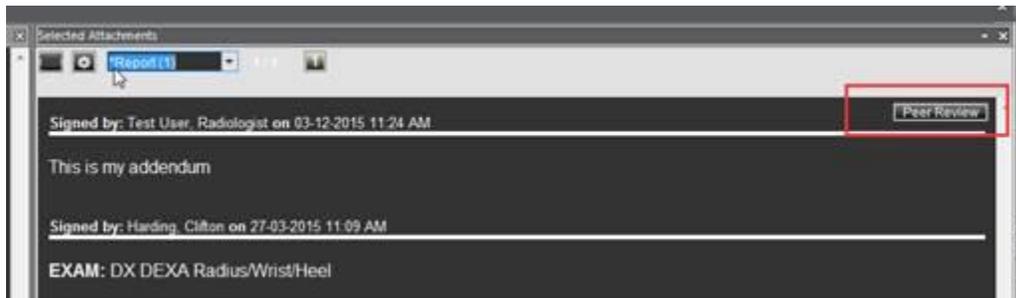
How to enable the feature:

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.

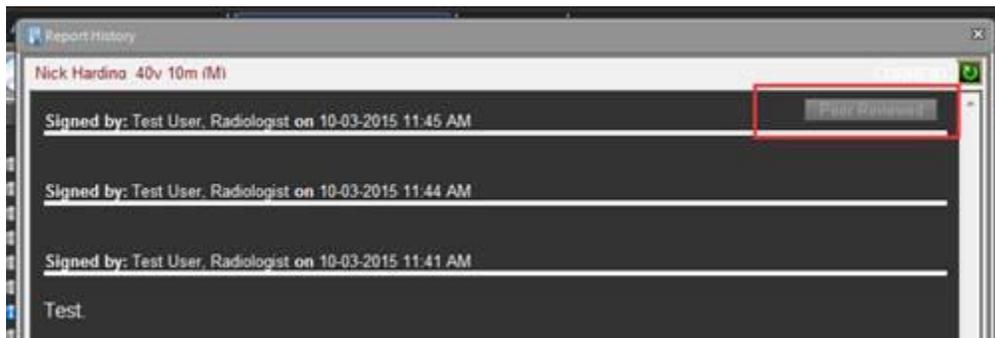




With this change, users can also now peer review via the Report Data Nugget in the main patient folder or within the patient folder panel in the reporting screens.

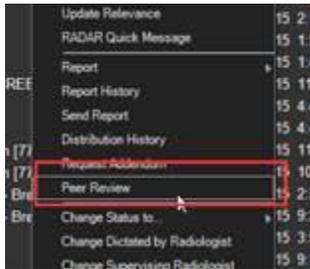
In addition, some rules have been added to enable or disable the Peer Review button appropriately. The button is enabled and visible for all reports the user is permitted to peer review. If the user touched the report (dictated, contributed or signed) the button will *not* be visible. This helps reduce 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:

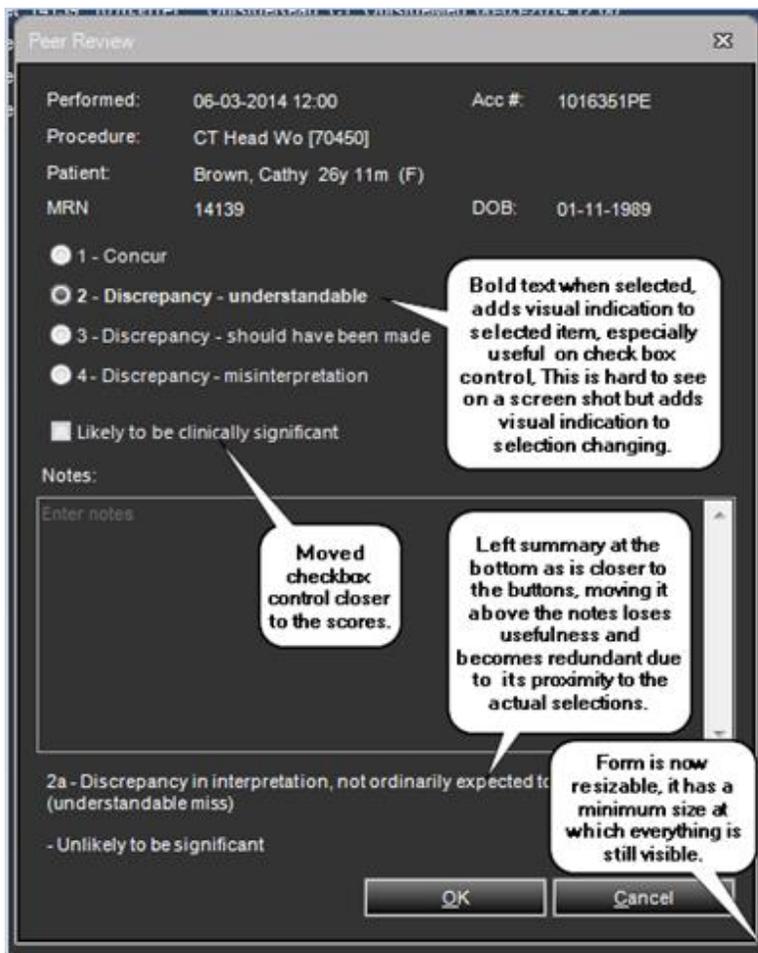
There is an existing access string “*Clinical.PeerReview*” which needs to be enabled for the button to appear.

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.



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

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 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

- 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: None		
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

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

How to enable the feature:

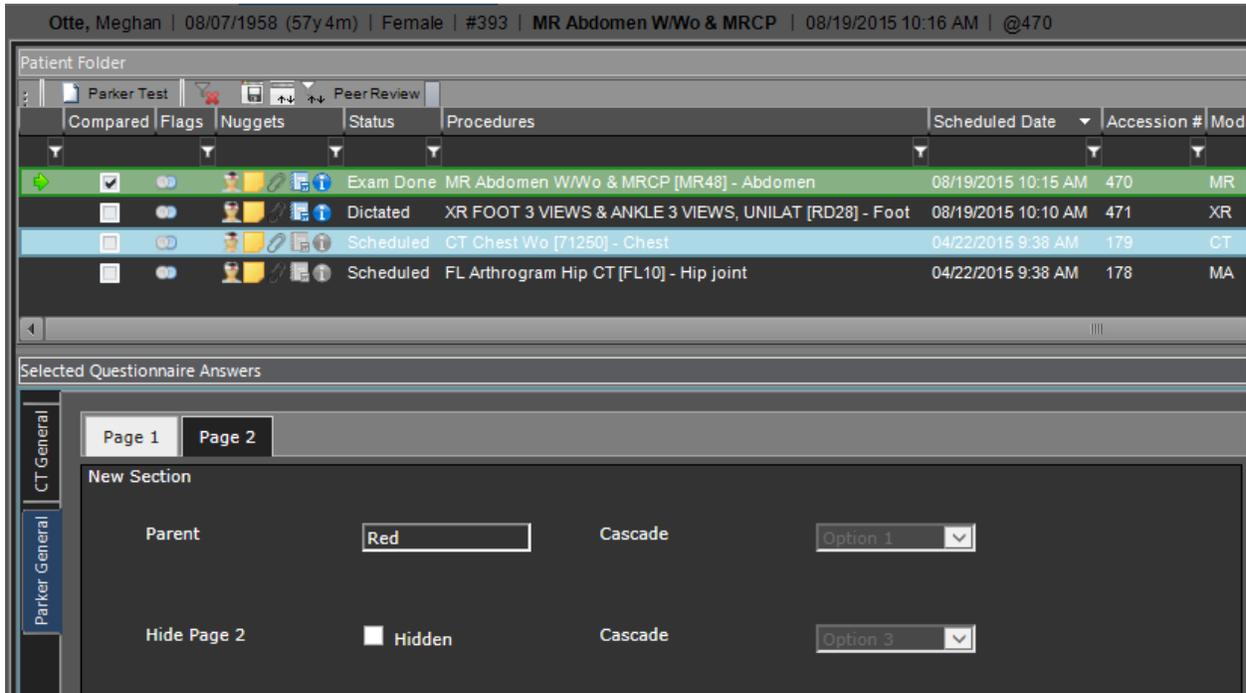
To set or remove the Confirmed Radiologist flag, the RIS administrator must first create a user group which has access to set this flag. This is accomplished by creating a group with permission to the *Config.LookupEditor.Personnel.ConfirmedRadiologistFlag* with an Access Level of Full and assign to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

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

The screenshot shows the 'Personnel editor' interface 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, the 'Radiologist' checkbox is checked, while others like 'Referring physician', 'Surgeon', 'Editor', 'Technologist', 'UM Reviewer', and 'Injection Physician' are unchecked. There is also an 'Additional Resources' dropdown menu.
- In the 'Resource Information' section, the 'Confirmed radiologist' checkbox is checked and highlighted with a red box. Other fields include 'NPI' (20135), 'UPIN', 'License #', 'Specialties', 'Medical groups', 'Unknown NPI', 'Registered in PECOS', 'DEA', 'Primary state license', 'Sign level' (Contribute A), and 'Contact type'.
- In the 'Referring Flags' section, 'Direct referral program', 'Pre-auth program', and 'Gold card' are all unchecked.

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 & 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.'

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				
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				

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

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	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 vale to True.

RECEPTION

8615 - ABILITY TO ENTER BLANK CREDIT CARD INFORMATION

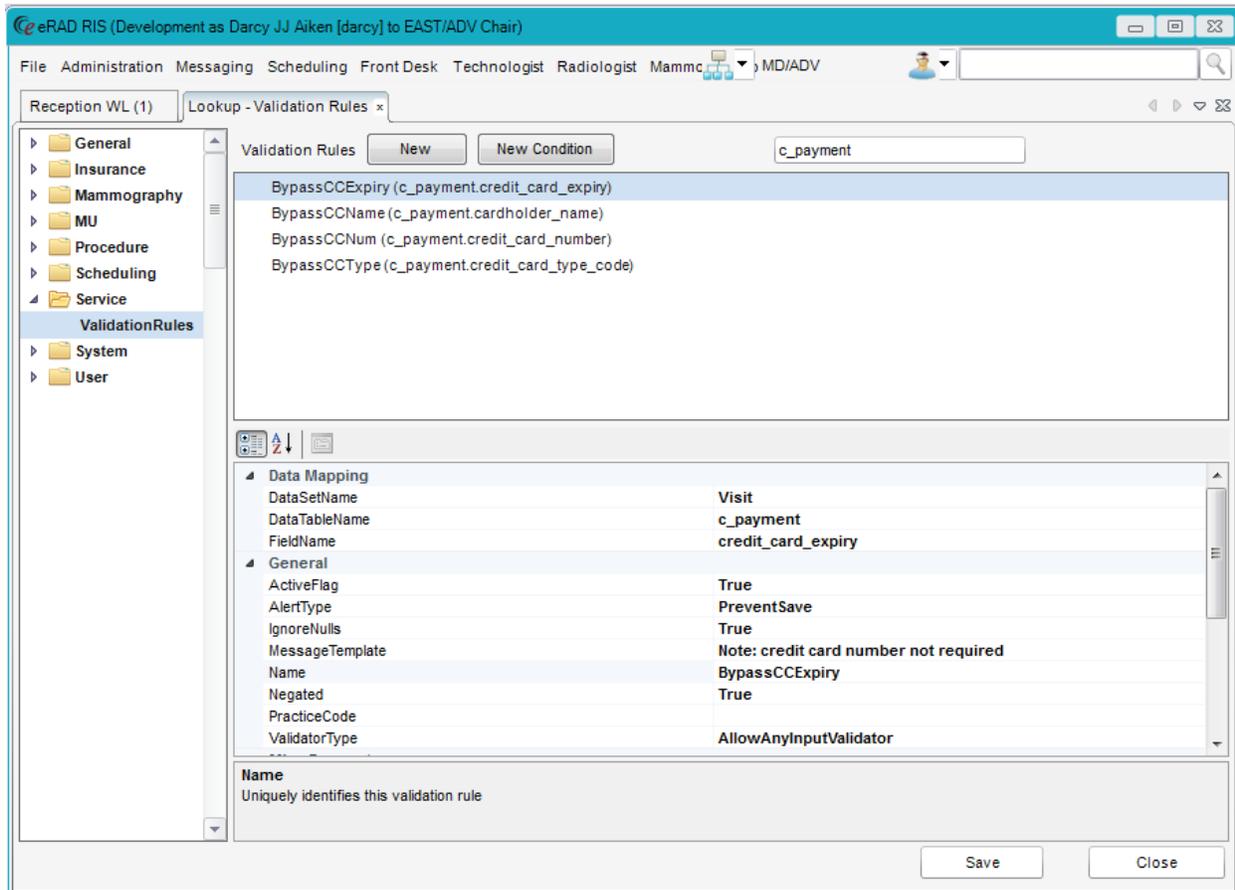
The RIS currently requires credit card information to be entered if the payment type is 'credit card.' It was desired by a number of customers to allow the custom validation framework to manage these required fields, which would allow them to be configured as optional.

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.

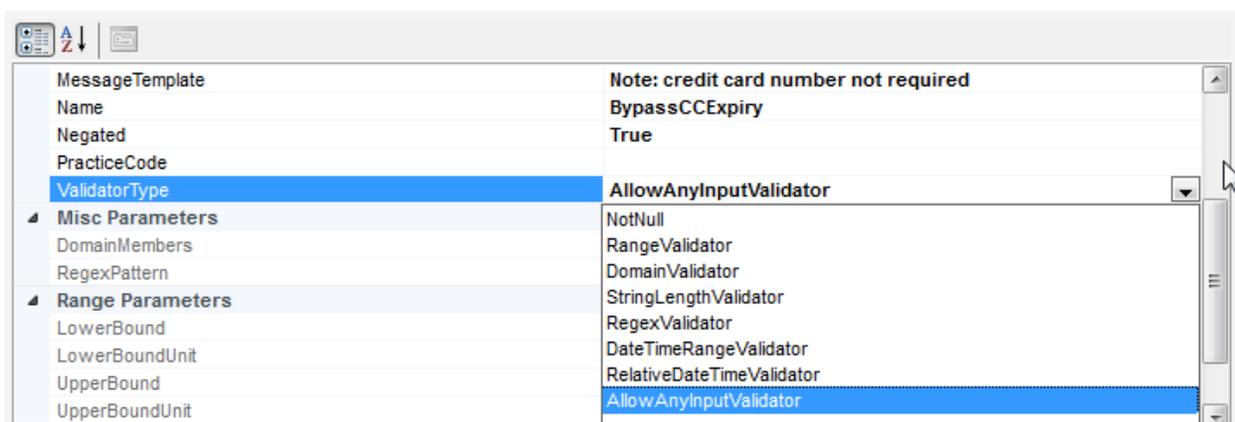
How to enable the feature:

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

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.

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.”

Contact Information

Address 1	215 Duke Street	Zip	90610	Home phone	5559998123
Address 2	Apt 678	Country	US	<input type="checkbox"/> No alternate phone	
City	Whittier	Marketing messages <input checked="" type="radio"/> Permitted <input type="radio"/> Prohibited		Work phone	
State	California	Email	test@mail.com	Cell phone	
Preferred contact method		Preferred delivery method	Email	<input type="checkbox"/> Do not send reminders	

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.

Patient Search

Search Criteria

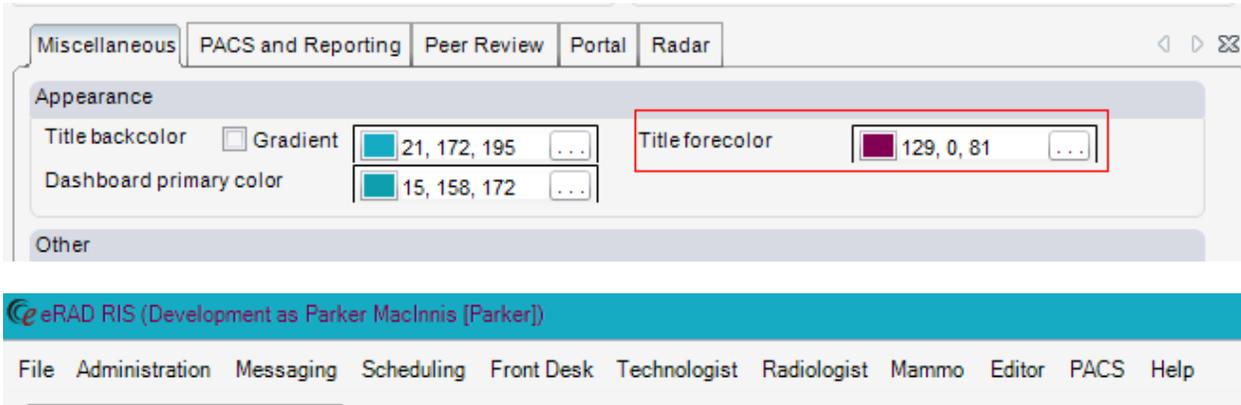
First Name:	<input type="text"/>	Birth Date:	MM-dd-yyyy
Last Name:	<input type="text"/>	Phone #:	<input type="text"/>
<input type="checkbox"/> Search Other Variations		Zip Code:	95620
MRN:	<input type="text"/>	<input type="button" value="Search"/>	<input type="button" value="Reset"/>

New Pt + Apt ▾

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.

The screenshot shows the 'Reception WL (8)' window. The table below has the following columns: Flags, Status, Order #, Procedures, Scheduled Date, Referring, Room, and Accession #. A red arrow points to the 'Order #' column.

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:

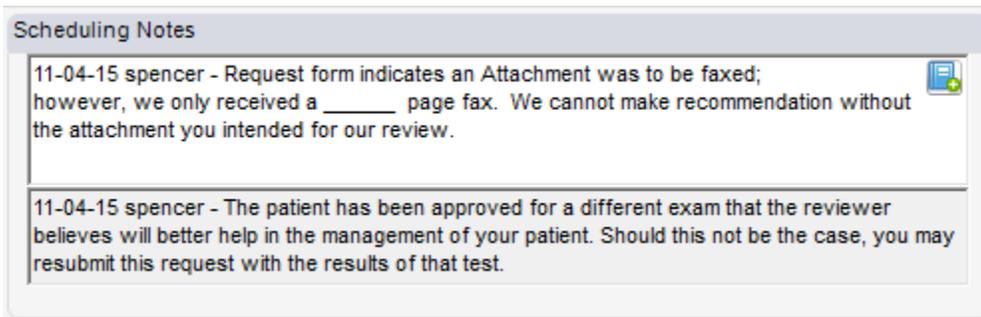
- The default WL refresh interval is 1 minute.
- If the RIS screen is locked, the refresh will not occur.
- If RIS is minimized, the refresh will not occur.
- If a radiologist reporting screen is the current tab, the refresh will not occur.
- If a transcription reporting screen is the current tab, the 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

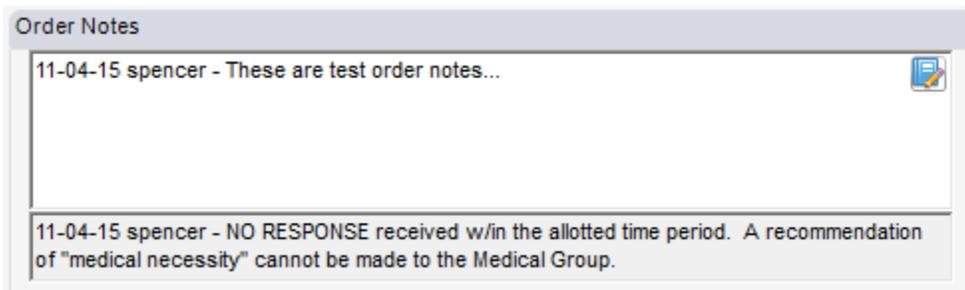
The log controls (notes fields) in eRAD RIS can be configured to support Autotext. Customer feedback has indicated that confusion can occur because the user must know to right-click in the log control in order to select 'Autotext' from the context menu. This is not intuitive as the user may try to type 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.



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.



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.

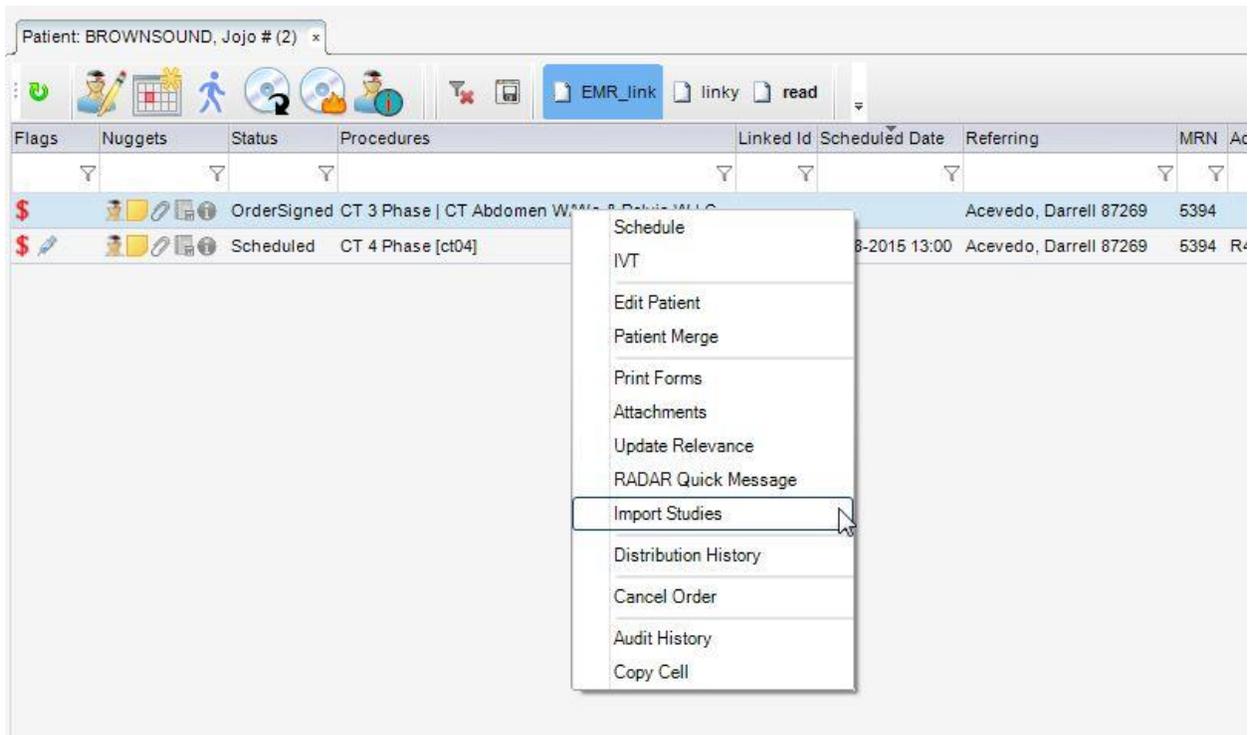
12188, 8136 - ADD FUNCTIONALITY TO ALLOW FOR MORE COMPLEX EMR ORDER MAPPING

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.

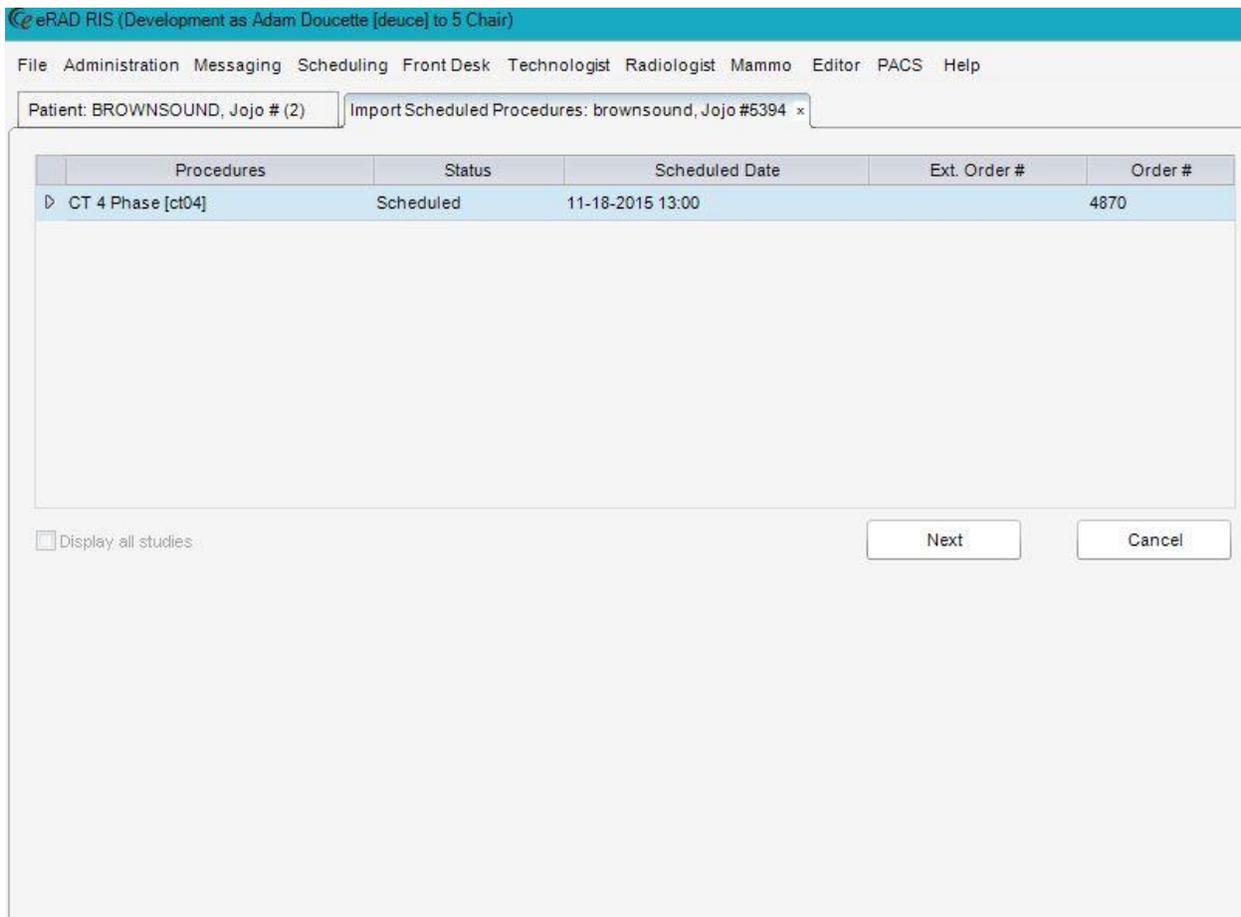
To handle scenarios of this nature, it is now possible to choose which exams to import from one order into an EMR order. If all exams are selected, the source order is cancelled after all exams are imported to the EMR order. If only a subset of exams is selected, the source order will continue to exist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

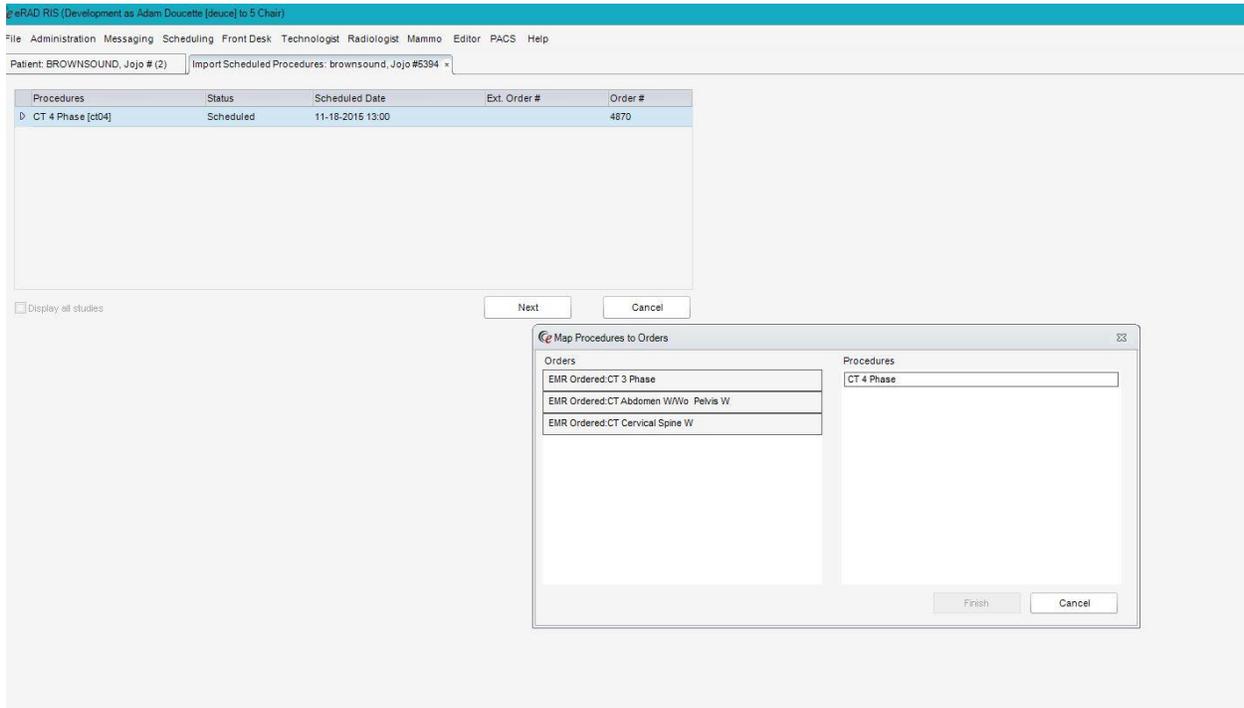


The menu item for Import Studies is available for studies in an *OrderSigned*, *Scheduled*, *CheckingIn*, or *Arrived* status. To access, the user must have the access string **Clinical.ImportStudies** set to Full.

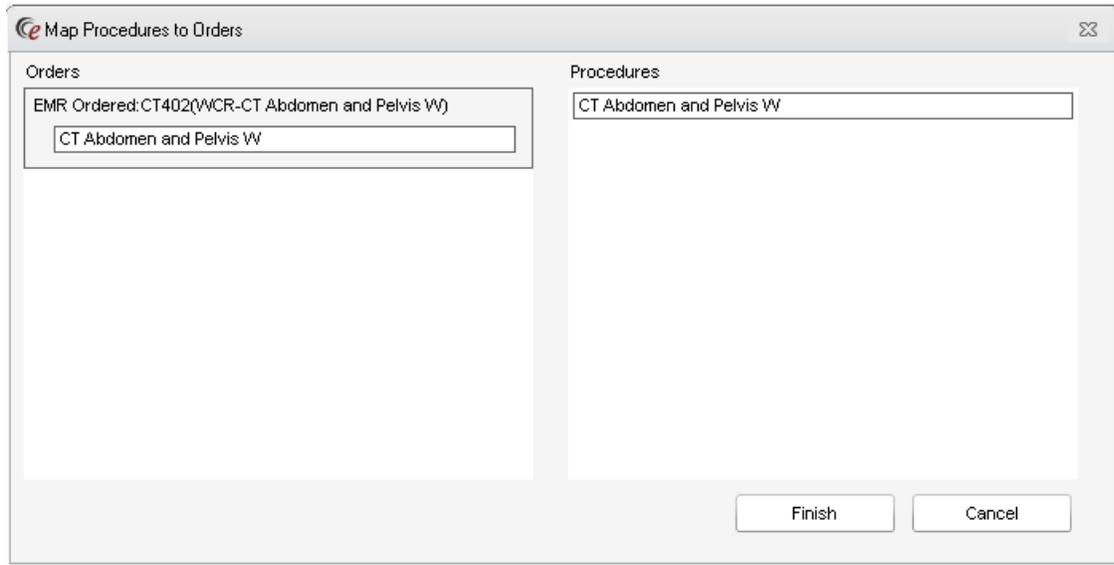
The Import Scheduled Procedures window will open in a new tab.



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

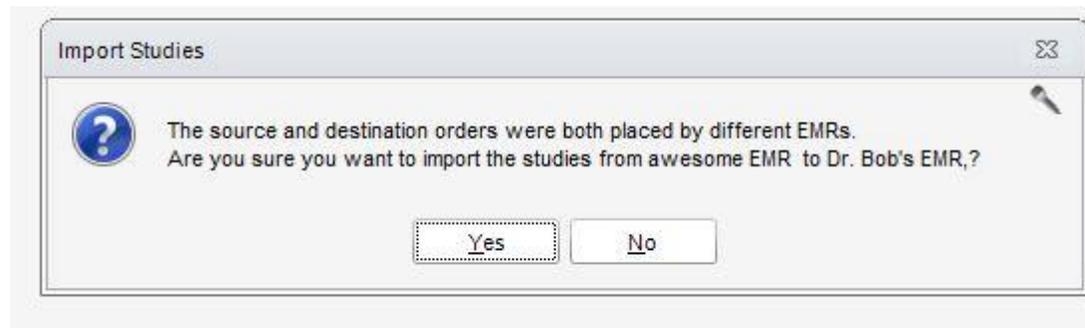


The user can match the Procedure to the appropriate EMR order by dragging.

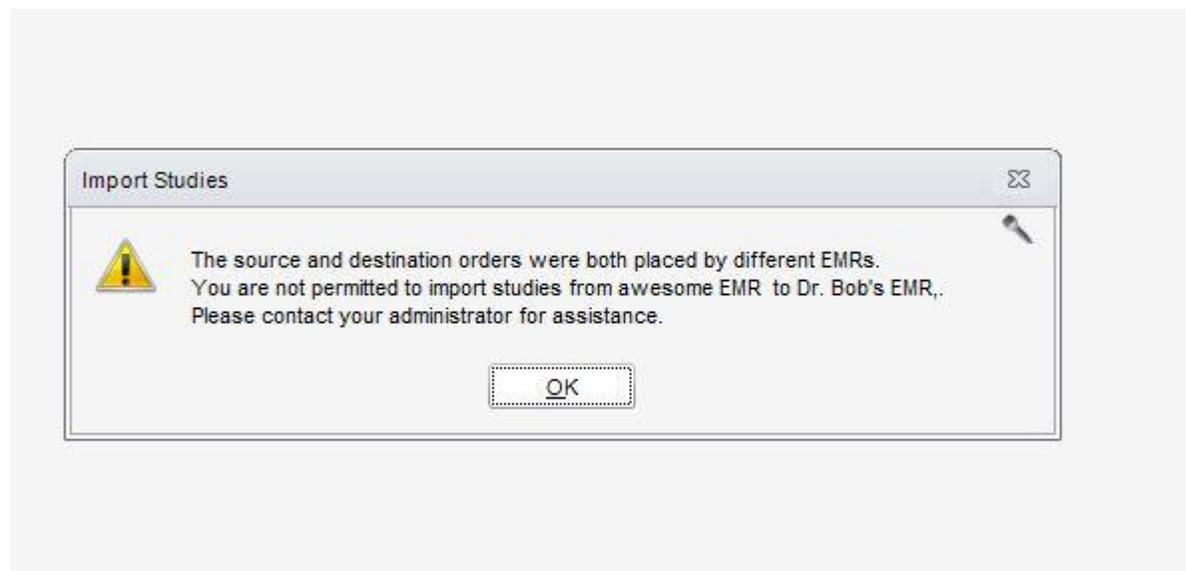


If the Procedure that is being mapped into an EMR order is already associated to a *different* EMR, a user must have additional permissions to continue. Access string **Clinical.ImportStudies.AcrossEMRs** must be set to Full for the user to continue.

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.

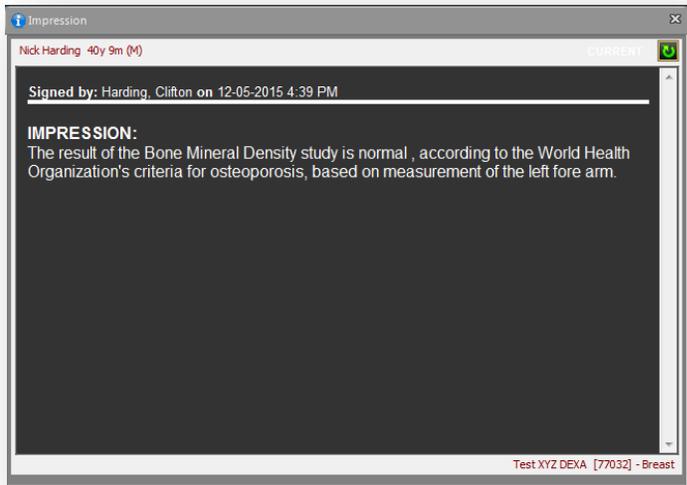


12273 - IMPRESSION NUGGET NEEDS TO SUPPORT ERAD AND POWERSCRIBE REPORTING MODES

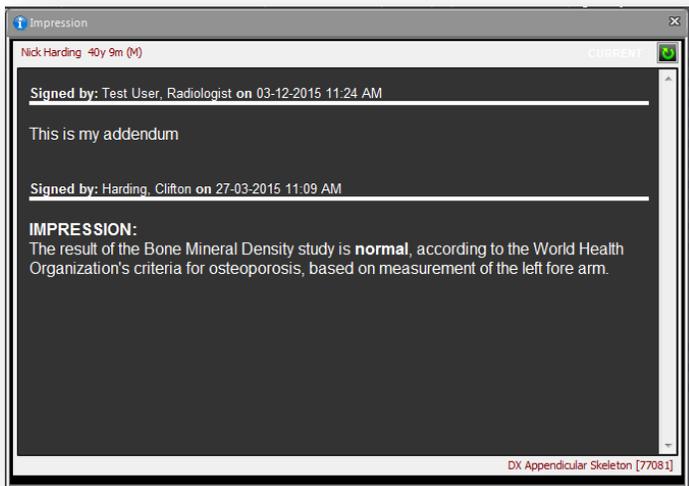
The Impression data nugget in eRAD RIS now supports PowerScribe 360 and eRAD reporting modes. Previously, the Impression data nugget only supported M*Modal sections named "Impression." The 'impression' string is now configurable so that terms such as 'conclusion' or 'assessment' can be used to drive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



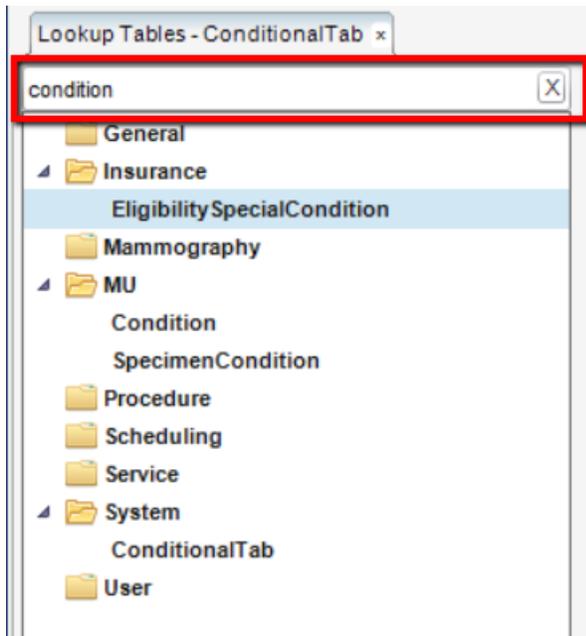
How to enable the feature:

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 Radiology, Radiology, Radiology*

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
Advanced Radiology	0%	100%	2	0%	2%	120	0%	3%	61	0%	3%	183
Chilmark	0%	100%	1	0%	2%	60	0%	2%	60	0%	2%	121
Falm	0%	100%	1	0%	0%	59	0%	100%	1	0%	3%	61
Lathrop	0%	0%		0%	100%	1	0%	0%		0%	100%	1
Advanced Radiology	0%	0%		0%	0%	59	0%	0%		0%	0%	59
Advanced Radiology	0%	0%		0%	0%	59	0%	0%		0%	0%	59
Total	0%	100%	2	0%	1%	238	0%	3%	61	0%	2%	301

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.

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.

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

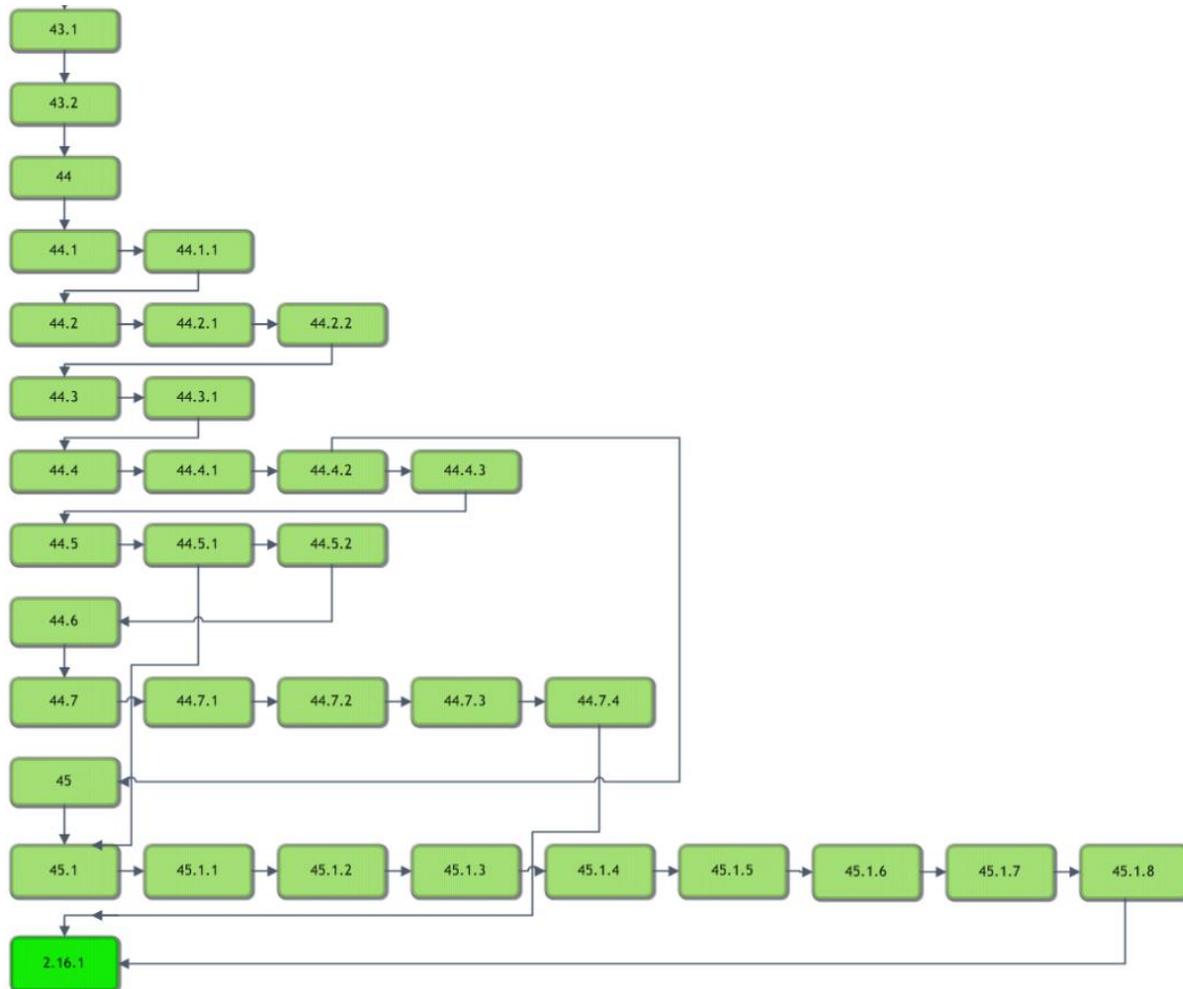
This will update a B44.x database to 44.7.0.32125.

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

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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, SQLReporting, Questionnaire, 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, 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, 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, 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, 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, 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	Web Service for Wedge only. Version number of Wedge is 45.1.6.32614
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
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

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 (next build)	CD Import	CD Import thows exception if DOS on disk cannot be found and time format is not dd-mm-yyyy
12005	Urgent (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 (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 (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 c_study_item_certification.downcoded_procedure_code
11911	Urgent (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 (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 intermitently 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

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

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

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 (next 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 (next 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

RADNET Inc. – eRAD RIS Release Notes

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

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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

12120	Urgent (next 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 (next 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 ois 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 Instruction 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 FLag 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