

User Release Notes

for eRAD RIS

Version 1

Build 38

Server Patches 38.001 and 38.002 included

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1. Purpose

This document describes some of the new features and changes implemented in eRAD RIS as of the end of Sprint 38. This version of eRAD RIS is referred to as Build 1.2.38.

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

2. Intended Audience

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

3. Installing/Accessing the Application

The installation instruction for the eRAD RIS client are included with this software release and can be found in the _Documentation > Installation folder. They have also been posted to the RadNet Wiki page at <http://mdbal01rdtweb/Wiki/>

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

Username: rRIS

Password: Summerside

Please note that Build 1.38 is considered a new core release of the application and will require a reinstallation of eRAD RIS. This is accomplished by navigating to the eRAD RIS shared installation drive and running the CoreInstall.bat file (ex: I:\RISDeployment\CoreInstall.bat)

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

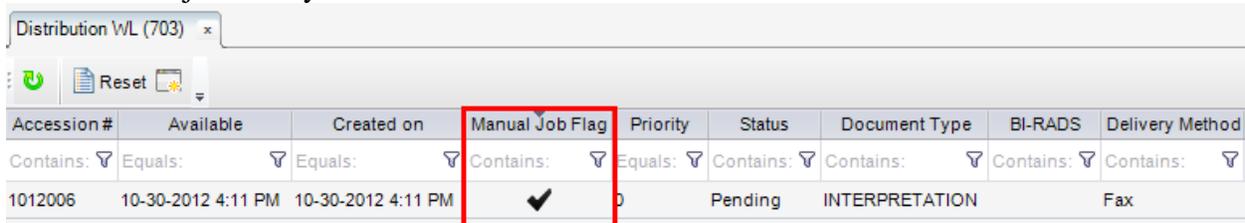
3a. eRAD RIS Release Version Numbers

Build	Patch	UI Version	Core Version	WS Version	DB Version	Notes
37	-	1.2.37.12843	1.2.37.12782	1.2.37.12843	1.2.37.12843	
37	1	1.2.37.13040	1.2.37.13040	1.2.37.13039	1.2.37.13003	
37	2	1.2.37.13069	1.2.37.13040	1.2.37.13069	1.2.37.13003	
37	3	1.2.37.13069	1.2.37.13040	1.2.37.13069	1.2.37.13003	Just WebAPI updated, no version changes
37	4	1.2.37.13171	1.2.37.13040	1.2.37.13165	1.2.37.13171	
37	5	1.2.37.13347	1.2.37.13040	1.2.37.12979	1.2.37.12979	Bug was discovered with version numbers, this is why it appears we went backwards in the version number but we really did not.
37	6	1.2.37.13665	1.2.37.13040	1.2.37.13580	1.2.37.12979	
37	7	1.2.37.13807	1.2.37.13040	1.2.37.13799	1.2.37.13807	
37	8	1.2.37.13807	1.2.37.13040	1.2.37.13827	1.2.37.13807	
37	9	1.2.37.13807	1.2.37.13040	1.2.37.13839	1.2.37.13807	
37	10	1.2.37.13895	1.2.37.13040	1.2.37.13895	1.2.37.13895	
37	11	1.2.37.14161	1.2.37.13040	1.2.37.14161	1.2.37.14161	
37	12	1.2.37.14285	1.2.37.13040	1.2.37.14300	1.2.37.14285	
37	13	1.2.37.14326	1.2.37.13040	1.2.37.14326	1.2.37.14326	
38	-	1.2.38.14486	1.2.38.14486	1.2.38.14486	1.2.38.14486	
38	1	1.2.38.14748	1.2.38.14748	1.2.38.14748	1.2.38.14748	
38	2	1.2.38.15182	1.2.38.14748	1.2.38.14748	1.2.38.14748	

4. New Features and Enhancements

Document Distribution – Manual Job Column

A new column titled Manual Job has been added to the Distribution WL and Distribution History by Date WL. A check mark in this column indicates that the job was created manually, otherwise the job was system created.



The screenshot shows a web application window titled "Distribution WL (703)". Below the title bar are icons for refresh, reset, and help. The main content is a table with the following columns: Accession#, Available, Created on, Manual Job Flag, Priority, Status, Document Type, BI-RADS, and Delivery Method. The first row of data is highlighted with a red box around the 'Manual Job Flag' column, which contains a checkmark. The other columns in this row are: 1012006, 10-30-2012 4:11 PM, 10-30-2012 4:11 PM, Pending, INTERPRETATION, and Fax. Above the table, there are filter options for 'Contains:' and 'Equals:' for each column.

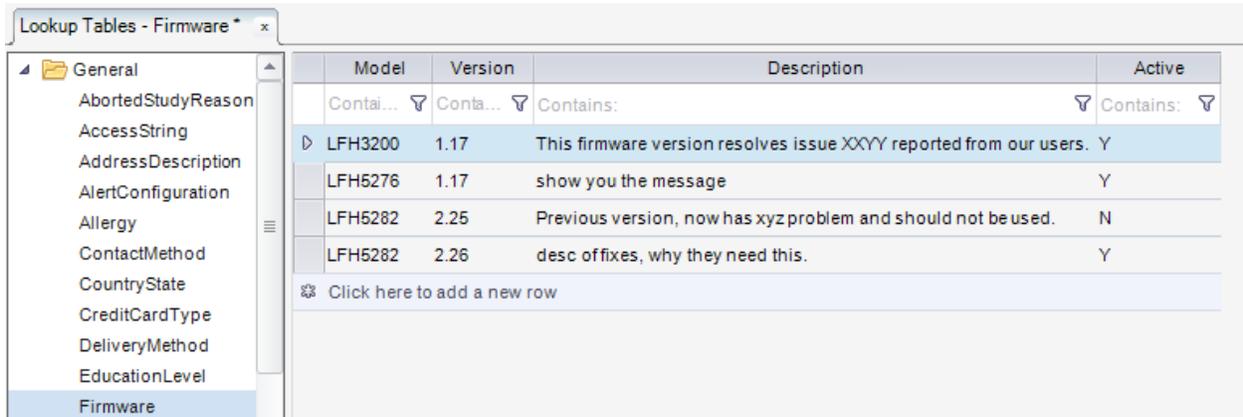
Accession#	Available	Created on	Manual Job Flag	Priority	Status	Document Type	BI-RADS	Delivery Method
1012006	10-30-2012 4:11 PM	10-30-2012 4:11 PM	✓		Pending	INTERPRETATION		Fax

Figure 4.1 – Document Distribution WL displaying new Manual Job column

Firmware Version Check

Users have experienced issues in the past when the firmware version was old and out of date. To circumvent these issues a firmware version check of the SpeechMike can now be performed at the time of logging into the application.

A new lookup table called Firmware that allows the eRAD RIS administrator to add different models numbers of SpeechMikes, the firmware at which it should be at, a description for the admins as to why this firmware upgrade is being requested, and if the models and version prompt should be active.



Model	Version	Description	Active
LFH3200	1.17	This firmware version resolves issue XXXY reported from our users.	Y
LFH5276	1.17	show you the message	Y
LFH5282	2.25	Previous version, now has xyz problem and should not be used.	N
LFH5282	2.26	desc of fixes, why they need this.	Y

Figure 4.2 – Firmware lookup table

If the firmware version of the SpeechMike is not met, the user will be prompted with the following message upon login of eRAD RIS.



Figure 4.3 – Message prompt displayed when Model XX firmware does not match with lookup

Meaningful Use Clinical Summary Reports

The Clinical Summary Report is a summary of the patients visit. Details in the report include patient name, date of exam, modality description (shows all studies for the day based off of procedure group description), reason for the exam (chief complaint), allergies and severity, patient medications, relevant history (medical history) and any pending appointments the patient may have.

Clinical Summary

1 of 1 100% Find | Next

ADVANCED RADIOLOGY

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Advanced Radiology
Lutherville
1209 York Road Suite 100
Lutherville, MD 21093

Phone:
(410) 580-2240

Fax:
(410) 580-2270

Thank you for visiting Advanced Radiology today!

Visit Overview

Patient Name:	Darcy Noye
Visit Date:	10-10-2012
Exam Type:	Plain Film/Xray/CR - Chest
Reason for Visit:	Chest pain

Allergies

Bee Sting	Mild
Contrast	Mild

Medications

No known medications.

Relevant History

Metal In The Body

Previous Ct Contrast Reaction

Pending Appointments

No pending appointments.

End of visit summary.

Figure 4.4 – Print preview of Clinical Summary Report

The report is configured in the Forms and Labels lookup editor with form category of Exam. Printing criteria can be configured to print upon a specific action (such as checking in). The form can also be accessed from work lists context menu > print forms option. This opens the Print Forms window. From this window the report can be previewed as displayed in the figure above and also printed from the preview window. It can also be sent directly to the printer without preview by selecting the Print check box for Clinical Summary and selecting the OK button.

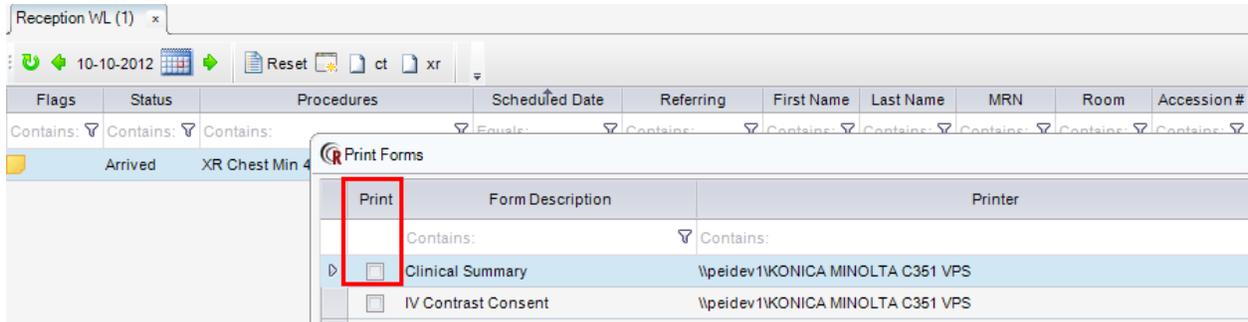


Figure 4.5 – Print Forms window from Reception WL

Meaningful Use Quick Add Edit Dialog Changes

Within the Quick Add Edit Dialog window, two new options have been added under Medical History. Hypertension is linked to Indication (ICD-9) code 401.9 and Renal Disease is linked to 593.9.

The screenshot shows the 'MU Quick Add Edit Dialog' window. It is divided into three main sections: Medications, Medical History, and Allergies. The 'Medical History' section contains a list of conditions with checkboxes, where 'Hypertension' and 'Renal Disease' are highlighted with red boxes. The 'Allergies' section is a table with columns for 'Substance', 'Mild', 'Mod', and 'Severe'.

Substance	Mild	Mod	Severe
Adhesive Tape	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bee Sting	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Betadine (Topical Iodine)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Contrast (Medical Imaging)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dog, Cat or Animal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Dust	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fruit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Grass / Pollen	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Latex	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lidocaine / Novacaine	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mold	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Peanut or other nut	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Penicillin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rubbing Alcohol	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shellfish	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sulfa Drug	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Figure 4.6 – MU Quick Add Edit Dialog additions

Management Report - Meaningful Use Automated Measures Details

The MU Automated Measures Details report was created to assist in determining which patient is missing meaningful use criteria. The report is sorted by patient id (MRN). The user has the ability to search by all practices or individual practice. A Radiologist must be selected along with a specific reporting period. The user also has the ability to search for a patient accession number if they only want to view details on a single record.

Practice: Radiologist:
 Start Date: End Date:
 accession number: NULL

1 of 1 100% Find | Next

MU Automated Measures Details

Radiologist: Noye, Darcy Thane
 Practice: All Practices
 Date Range: 10/1/2012 - 12/31/2012
 Last Updated: 11/8/2012 3:55:24 PM

Description: This report displays the details of the selected practice, selected radiologist and the resulting Meaningful Use measures. Indicators as to whether or not the individual has met, failed or not applicable results within the selected date range.

MRN	Accession#	Problem	Medication	Allergy	Demo	Education	CPOE	Vitals	Smoking	Lab	eHealth	Reconcile	Summary	Timely	eRx	Clinical	Reminder	Total												
<input type="checkbox"/>	11510	<input checked="" type="checkbox"/>	0/0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0/0	0/2	<input type="checkbox"/>	2																			
<input type="checkbox"/>	11833	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0/0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0/0	0/1	<input type="checkbox"/>	1																
<input type="checkbox"/>	11934	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0/0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0/0	0/2	<input type="checkbox"/>	2																
<input type="checkbox"/>	12400	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0/0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0/0	1/1	<input type="checkbox"/>	1																
<input type="checkbox"/>	12405	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0/0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0/0	0/1	<input type="checkbox"/>	1																
<input type="checkbox"/> 1011684		N	N	N	Y	Y	Y	Y	N	N	N	0	1	Y	57	0	0	N	Z	Y	N	N	N	N	100	0	0	N	N	57
<input type="checkbox"/>	12407	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0/0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0/0	0/1	<input type="checkbox"/>	1																
<input type="checkbox"/>	12416	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0/0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0/0	0/2	<input type="checkbox"/>	2																
<input type="checkbox"/>	12420	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0/0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0/0	0/3	<input type="checkbox"/>	3																
<input type="checkbox"/>	12424	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0/0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0/0	0/1	<input checked="" type="checkbox"/>	1																
<input type="checkbox"/>	12557	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0/0	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0/0	0/1	<input type="checkbox"/>	1																
<input type="checkbox"/>	12566	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0/0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0/0	0/1	<input type="checkbox"/>	1																
<input type="checkbox"/>	12592	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0/0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0/0	0/1	<input checked="" type="checkbox"/>	1																
<input type="checkbox"/>	12618	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0/0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0/0	0/1	<input type="checkbox"/>	1																
<input type="checkbox"/>	12711	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0/0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0/0	0/1	<input type="checkbox"/>	1																
<input type="checkbox"/>	12763	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0/0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0/0	0/1	<input type="checkbox"/>	1																
<input type="checkbox"/>	12781	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0/0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0/0	0/2	<input type="checkbox"/>	2																
Total		12/16	12/16	12/16	12/16	0/16	1/1	0/16	11/16	0/0	1/2	1/16	1/1	1/16	0/0	1/22	0/2	16												

MU Automated Measures Details Confidential and Proprietary Date Run: 11/8/2012 3:55 PM

Figure 4.7 – MU Automated Measures Details

Order Level Attachments (Scan Docs)

We use the SSRS to create a graphical representation of the order much the same as the diagnostic reports are produced for faxing. The image produced by SSRS is then attached as a scan doc to the newly created order.

These shows up as Order Level scan docs in the UI. The following screenshot shows the editing of an order for a patient that has several orders each with its own scan doc. The Show All checkbox is checked.

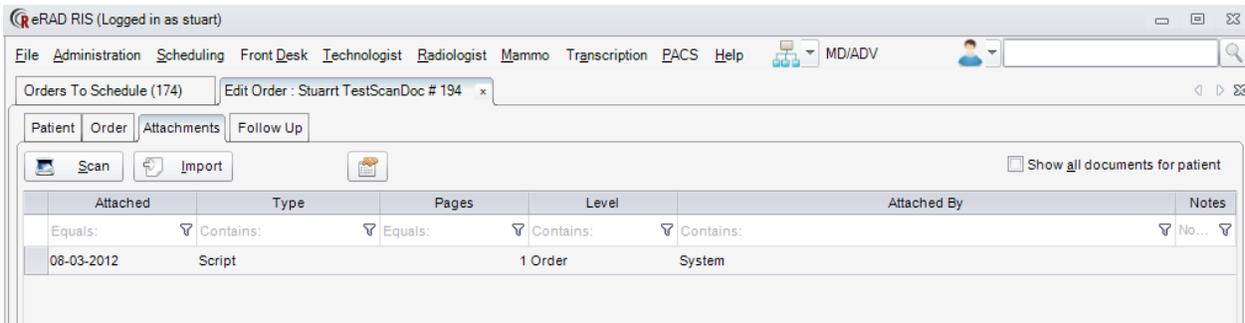


Figure 4.8 – Patient order displaying attachment at order level

In this build the documents can be scanned in or imported at the patient level, then from the Attachments tab changed to order level.

A new order via HL7 will result in a scan doc being automatically created and attached to the order.

Limit Practices in Template Macro Editor

The Template Macro Editor Practice selection will be auto filtered to the practices the logged in user is associated with in the Personnel Editor.

The screenshot shows the 'Personnel Editor' interface with several tabs: 'General', 'Resource', 'Account', 'Notes', 'Attachments', and 'Preferences'. The 'Resource' tab is active. Under 'Resource Type', 'Radiologist' is checked. Under 'Referring Flags', 'Direct referral program' and 'Pre-auth program' are unchecked. The 'Resource information' section includes 'NPI+' (9876541231), 'UPIN', and 'DEA'. The 'Practices' field is highlighted with a red box and contains two entries: 'Advanced Radiology' and 'Papastavros Medical Imaging'. The 'Specialties' field contains 'Radiology', 'Diagnostic X-Ray', and 'Occupational Therapy'. There is also a checkbox for 'Emergency Access' and fields for 'Primary State License' and 'License #'. At the bottom, it says 'Preferred radiologists'.

Figure 4.9 – Displaying Practices for logged in user

Looking at the figure above you can see that this user is associated with 2 practices. If this user opens the Template Editor, they can only create a template for these 2 practices.

The screenshot shows the 'Template Editor' interface. The 'Practice' dropdown menu is highlighted with a red box and shows two options: 'ADV - Advanced Radiology' and 'PAMI - Papastavros Medical Imagi...'. The 'Details' section on the left has fields for '*Name:' and '*Description:'. The 'Base Template' section on the right says 'Select a base document model'. At the bottom, it says '© 2010 Multimodal Technologies, Inc. - AnyModal Edit 7.75.2'.

Figure 4.10 – Template Editor filtered by practice for user

If for some reason a practice is removed from the users personnel account, the template will still be available for edit to the user, but if creating a new one, the practice that is no longer associated will not be available.

Reporting – QA Workflow

QA Workflow has been introduced in build 38 to allow transcribed reports and signed reports to be reviewed by QA personnel.

To start explaining what is involved in implementing this process we will start with a new lookup table that has been added. The User Id column is list of all users with the resource types of either Radiologist or Transcriptionist. The Quality Review Rate is the frequency in which the users transcribed or signed report is reviewed. Only the users added in this lookup table will be sent to QA.

User Id	Quality Review Rate	Description	Display Order	Active
radtest	5	Dr. Rad will have every 5th reviewed	2	Y
transtest	2	Trans every 2	3	Y
transadmin	4	Transadmin every 4	3	Y
Betty1	1	Every single one	2	Y
spencer	2	every second	1	Y
ian	2	every second	1	Y
dale	2	every second	1	Y
stick				Y
darcy				
kevin				
spencer				
hardingc				
BPowell				
harry				
darcyn				
JHobbs				
LGraves				
Terra				

Figure 4.11 – Quality Review Distribution lookup table

Looking at the figure above, the user id radtest will have every 5th signed report sent to QA.

The Push Signature Service must be running on the database. The Push Signature Service, up until now has been used for the “Signed, Pending Release” feature (AKA as “Oops” or “Tentatively Signed”). The QA work flow now also utilizes this service. Even if the users don’t use the “Oops” feature, this service must be running.

Transcription Pending QA work flow

Transcription edits will be sent to the work list Edits Pending QA WL. The work list is accessed from the Transcription menu and granted access from the access string

WL.MT.ReportDraftedQA. The work list provides many details such as who transcribed the report, who the report is currently assigned to and transcribed and dictated dates.

Flags	Status	Procedures	Referring	First Name	Last Name	MRN	Locked By	Room	Accession #	Transcribed By	Assigned Trans	Transcribed Date	Dictated By	Dictated Date
	Transcribed	XR Foot 2 Views, Bilat [RD30] - Foot...	Laurie Graves	Barbara	Beaton	11895		Outside...	1011112	transtest		11-07-2012 2:33 PM	radtest	04-27-2012 2:54 PM
			David	Cunningh...	12071		CT1EL	1011267	transtest	darcyn		11-07-2012 2:34 PM	darcyn	10-01-2012 2:10 PM
			Harold	Benson	12285		CT1FH	1011469	transtest			11-07-2012 2:36 PM	stuart	10-03-2012 1:44 PM
			Henry	Hudson	12263		XR1EL	1011478	transtest	transtest		11-07-2012 2:32 PM	darcyn	09-25-2012 5:12 PM
			Connor	Stately	12491		CT1FH	1011758	transtest	transtest		11-07-2012 2:33 PM	darcyn	10-22-2012 10:59 AM
			Bonnie	Brinks	9775		XR1EL	1012037	transtest			11-01-2012 11:00...	darcyn	11-01-2012 10:38 AM
			Hugh	Dough	12807		XR1EL	1012097	transtest			11-06-2012 10:40...	darcyn	11-06-2012 10:34 AM

Figure 4.12 – Edits Pending QA WL

From this work list, QA personnel can open the Verify Edits window to begin the process of QA. Various other options can be available from the context menu based on permission for the user.

Within the Verify Edits window the QA user can verify the report or reject. If the report is verified the report is released from the QA process and the Radiologist is then able to sign the report. If the report is rejected, the QA personnel can complete the edits required and transcribe the report. The report will then be available for the Radiologist to complete the work flow.

The report can also be rejected and assigned to a particular user via the Assign To data pane within the Verify Edits window. On the initial load of the window the buttons in the lower right are Verify Edits and Close. If the Reject/Edit button is selected the Verify Edits button will change to Transcribe. If the edit is assigned to a Transcriptionist, Problem or QA, the button will then change to Assign. See figure below

If the report is assigned to a specific transcription user, the report is returned to the Reports Drafted WL for further correction

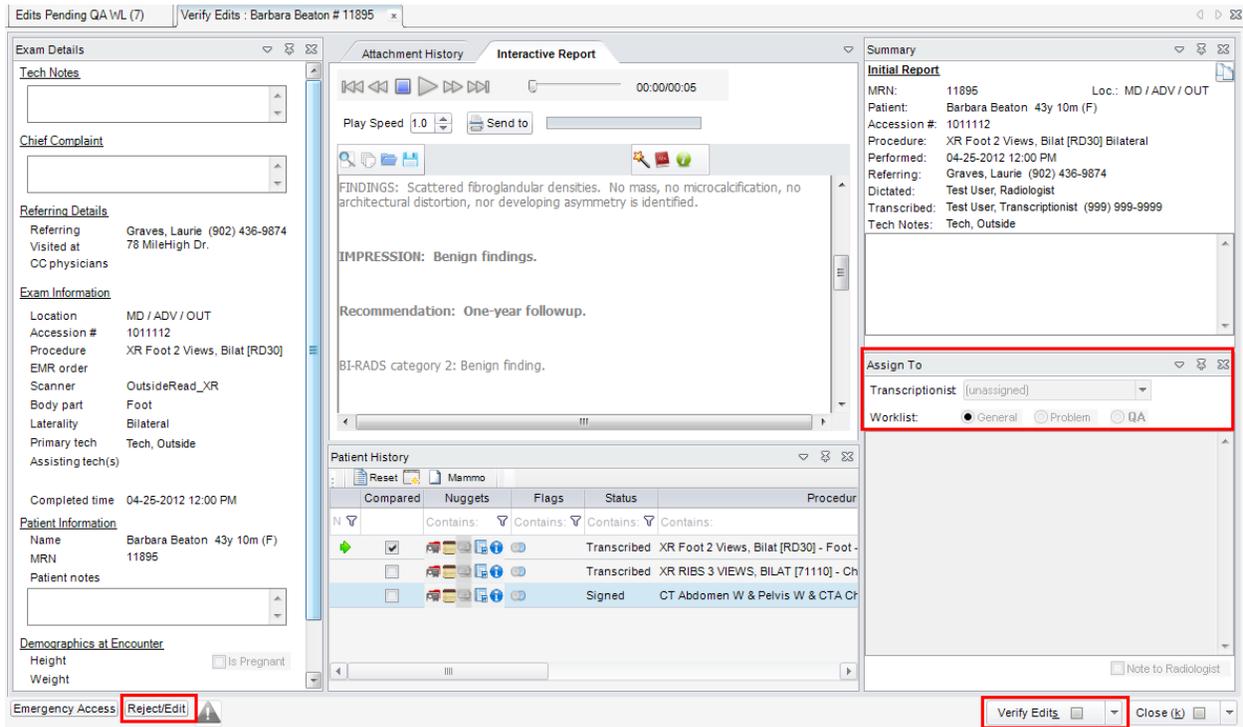


Figure 4.13 - Verify Edits window

Radiologist Pending QA work flow

Radiologists can also have signed reports sent for QA. Signed reports marked for QA are sent to the All Signed Pending QA WL. Similar to the Signed Pending Release WL, the status of the study will be Signed*, until the QA personnel action the study from the Verify Report window. The WL is accessed from the Radiologist menu. The access string

The work list itself has numerous columns for display (49 in total) that offer patient information, study information, dictating and signing Radiologists, dates for signing, dictation, etc...

Access to the Signed Pending QA WL is granted from the access string **WL.RAD.QA**

The context menu offers many option based on the user permissions and the action buttons in the lower right are Dictate and Verify Report.

Flags	Status	Procedures	Scheduled Date	Referring	First Name	Last Name	MRN	Birth Date	Age At Study	Room	Modality...	Accession#	Signed By	Signed Date
Signed*		US Scrotum with Doppler [US31]	11-07-2012 3:50 PM	Ian Power	Max	Power	11510	03-04-1998	14 years	US2LU	US	1011783	dale	11-07-2012 3:06
Signed*		XR Spine Survey 2 Views I720101 - Lum...	11-07-2012 3:35 PM	Dale Yeo Sr	Max	Power	11510	03-04-1998	14 years	DX1LU	XR	1011796	dale	11-07-2012 3:06
		Dictate	11-07-2012 3:15 PM	Ian Power	Max	Power	11510	03-04-1998	14 years	MR1EL	MR	1012143	dale	11-07-2012 4:03
		Assign to Chair	11-07-2012 3:15 PM	Ian Power	Max	Power	11510	03-04-1998	14 years	XR1EL	XR	1012146	dale	11-07-2012 4:04
		Assign to Transcriptionist	11-07-2012 3:15 PM	Ian Power	Max	Power	11510	03-04-1998	14 years	XR1FH	XR	1012141	dale	11-07-2012 4:02
		Set Problem Flag	11-07-2012 3:10 PM	Ian Power	Max	Power	11510	03-04-1998	14 years	US1FH	US	1012139	dale	11-07-2012 4:01
		Remove QA Flag	11-07-2012 2:45 PM	Ian Power	Max	Power	11510	03-04-1998	14 years	DX1LU	XR	1011775	dale	11-07-2012 3:05
		Set Suspended Flag	11-07-2012 2:45 PM	Ian Power	Max	Power	11510	03-04-1998	14 years	US1EL	US	1012138	dale	11-07-2012 3:08
		Print Forms	11-07-2012 2:45 PM	Dale Yeo Sr	Max	Power	11510	03-04-1998	14 years	US1LU	US	1011772	dale	11-07-2012 3:05
		Image Request	11-07-2012 2:40 PM	Ian Power	Max	Power	11510	03-04-1998	14 years	XR1EL	XR	1011859	dale	11-07-2012 3:08
		Change Dictated by Radiologist	11-07-2012 2:35 PM	Ian Power	Max	Power	11510	03-04-1998	14 years	XR1EL	XR	1011860	dale	11-07-2012 3:08

Figure 4.14 – Signed Pending QA WL

The Verify Report window allows the QA personnel to Verify Report, which will remove the QA flag and the study will be moved to Signed status.

If radiologists are using the “Oops” feature they will still have the same amount of hold time before the report is released. What may happen is that a radiologist’s hold time is 5 minutes but it gets set to QA. If it stays in QA for 20 minutes and then gets “Verified” it will go out immediately because the “Hold Pending Release” time has expired. Alternatively if the report was verified at minute 2 it would stay in the “Pending Release” status until the 5 minutes expired.

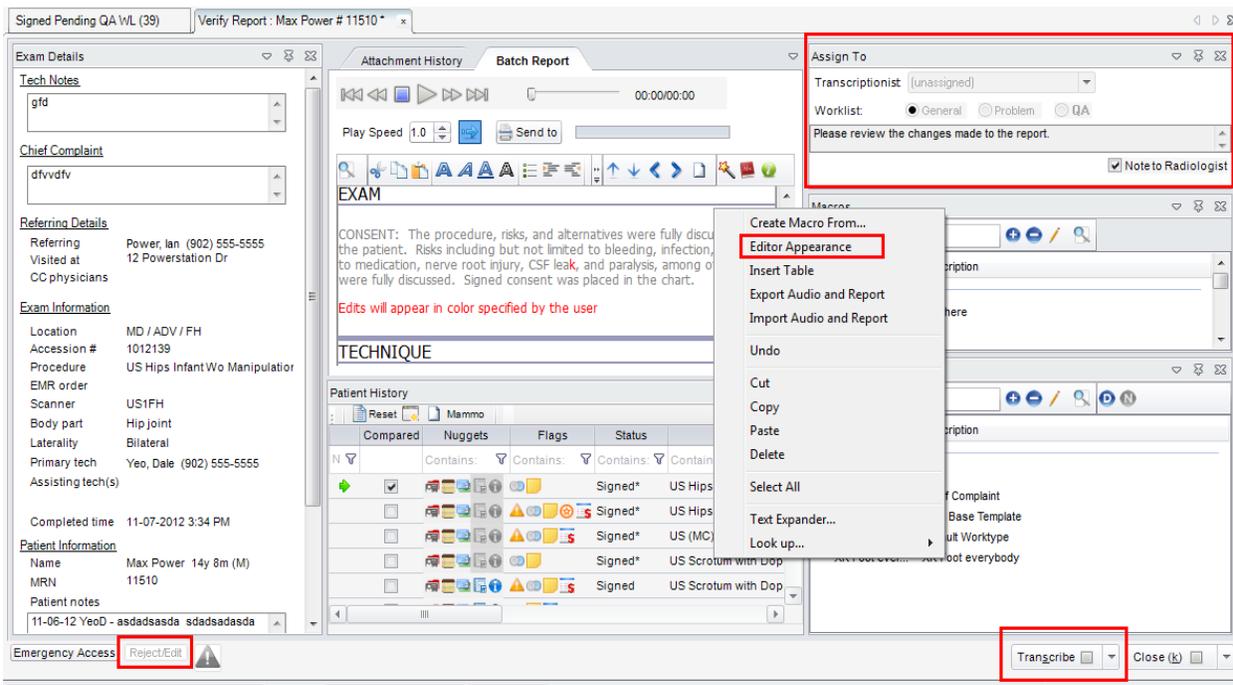


Figure 4.15 – Verify report window displaying rejected example

If the user determines edits or changes are required then they should click the Reject/Edit button on the bottom left which will enable all of the controls for further editing. At this point the user can edit the existing report in the same way a transcriptionist would. The notable difference in this window is the “Note to Rad” check box will be auto selected with a note entered. If the QA personnel so chooses, they can add additional notes.

When rejecting the user can then edit and transcribe the report, which will give them credit, or re-assign it to the original MT and let them make the changes required.

QA Edit Text Color

When QA personnel edit the report after rejecting we track the edits typed and these changes can be displayed in a different color. The new editor color is called QA Edit Text and is accessible from the right click Editor Appearance in report editor. This is a user setting so if user “A” changes his/her color it doesn’t mean it will appear that way to the radiologist or user “B”.

Reporting – Enhancements to Navigation

To assist Radiologists when reporting we have implemented three simple but very helpful features.

Volume Meter

Similar to the volume meter we already in the MicWizard, the Radiologist reporting window will also have a volume meter for a visual confirmation that what is being dictated is recording.

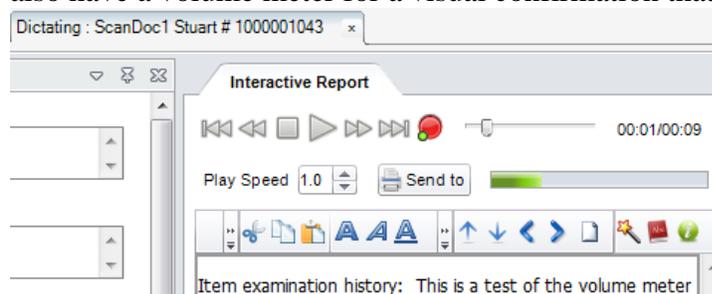


Figure 4.16 – Volume meter in reporting window

Interactive Cursor

In the reporting window the Interactive Cursor is a larger cursor indication to show the current location. If the user current focus is in another application, the Radiologist may still be recording. The enlarged marker gives a visual representation of where in the report the cursor is.

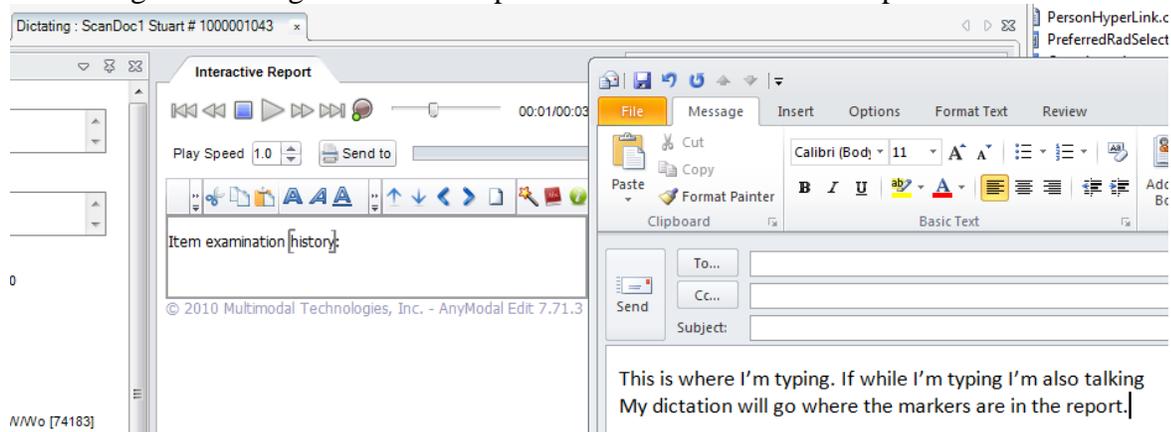


Figure 4.17 – Markers in the report.

Interactive Info Prompt of last voice command used

The Interactive Info Prompt is a popup message can be displayed near the users current mouse pointer position, or can be set to display in a fixed location.

So if the Radiologist has the mouse in the PACS and they issue a command, the popup message displays the command near the mouse to let the user know the command was captured and executed.

If the popup is configured to be in a fixed location, the user can position the popup by clicking and dragging to the desired location with the mouse.

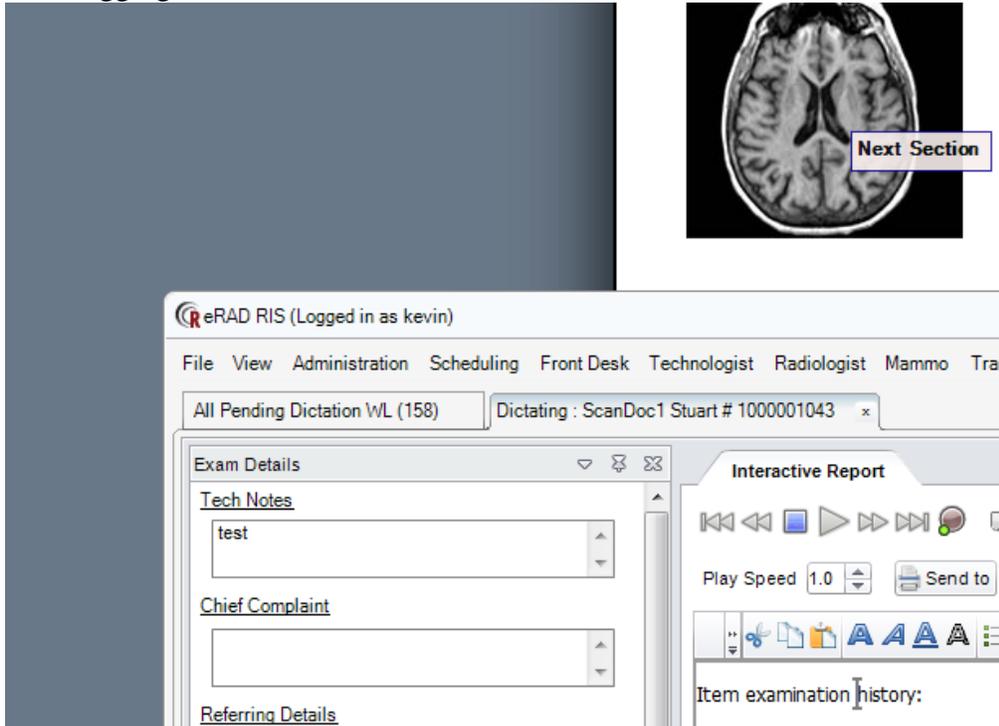


Figure 4.18 – Interactive Info Prompt message displaying Next Section command

The Interactive Info Prompt and Interactive Cursor options are configurable from the User Preferences window > Report Editor tab.

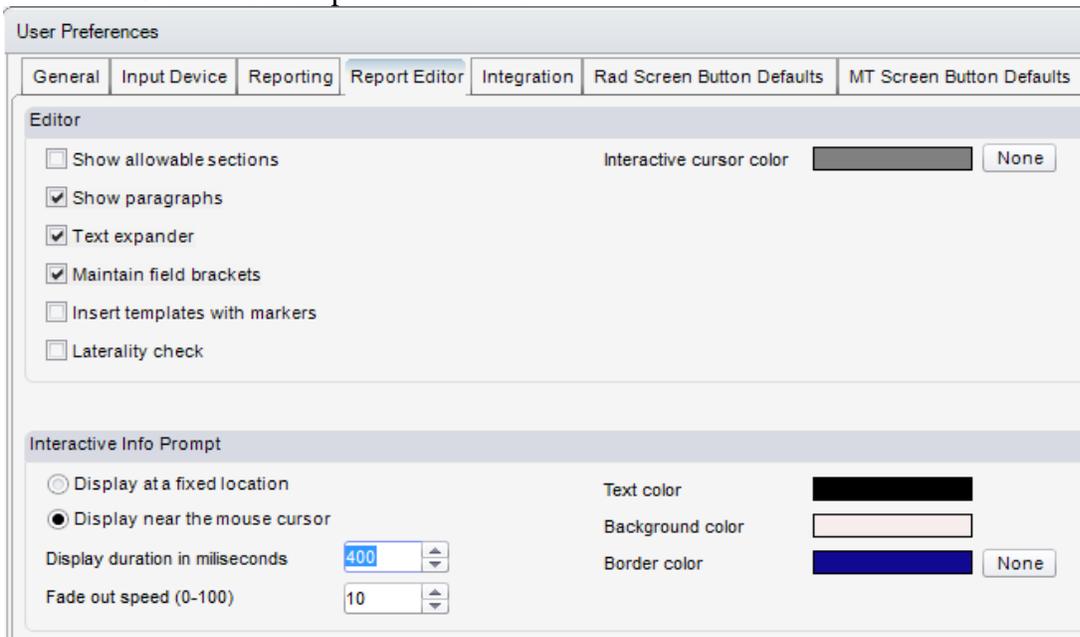


Figure 4.19 – User Preferences window

Interactive Cursor Color - color to use for the interactive voice cursor location when we are in another application (RIS Application is inactive).

Fixed/Mouse based Popup Location - popup opens at the mouse location; otherwise, it opens to the last position it was displayed at. Note user can click on a popup message and move it around the screen or right click on the popup message to change this behavior.

Duration/Fade out - duration in ms to display the popup before fading/ Fade out is a value between 0 and 100. 1 fades slower while a larger number fades faster up to 100, which fades instantly.

Popup Color Text/Background/Border - Click on the color to change it. The border can also be set to "none".

Reporting – Auto Populating Macro Fields

When opening the reporting window, users will now have the option to automatically have values pre-populate in the Exam and Technique sections of the report editor specific to the study being read.

To accomplish this, an “Auto Macro” must be created using the Template Macro lookup editor. The following are the steps to create an “auto populating macro field”

- Administration -> Configure
- Expand procedure section and double click TemplateMacro.
- Select Auto Macro in the radio buttons just above the list.
- Click Create new...

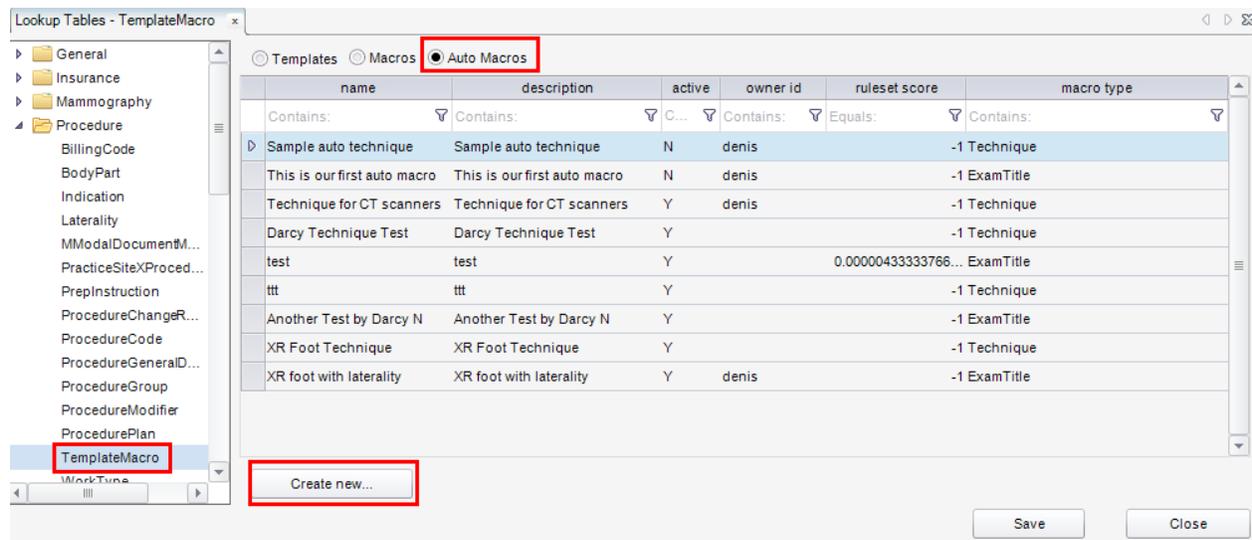


Figure 4.20 – Template Macro lookup

- Select an AutoMacro Type in the top drop down. (Currently there is only Exam Title and Technique)
- Enter Name and Description for the Auto Macro
- Adv. Assignments allows the user to add practices and procedures the Auto Macro is available for. If the practices and procedures are left blank, the Auto Macro will be available to all.
- Enter text in the Macro (ex: XR Knee)

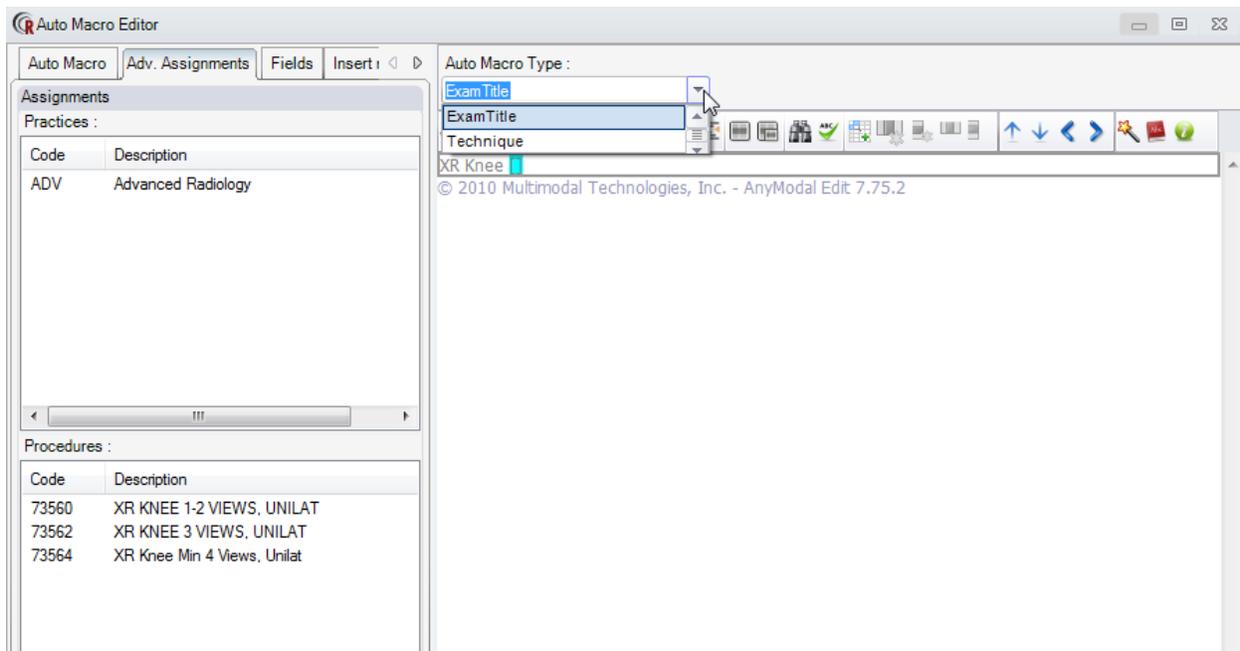


Figure 4.21 – Auto Macro Editor window

In the example above I have created an Auto Macro for XR Knee procedures that will populate the Exam Title with “XR Knee [laterality]”. The field for laterality is a custom macro that was created earlier and inserted.

Next Create or Edit a Template

Now that we have the Auto Macro created, we must create or edit a template(s) that will utilize it.

- Administration -> Configure
- Expand procedure section and double click TemplateMacro.
- Select Template in the radio buttons just above the list.
- Click Create new...

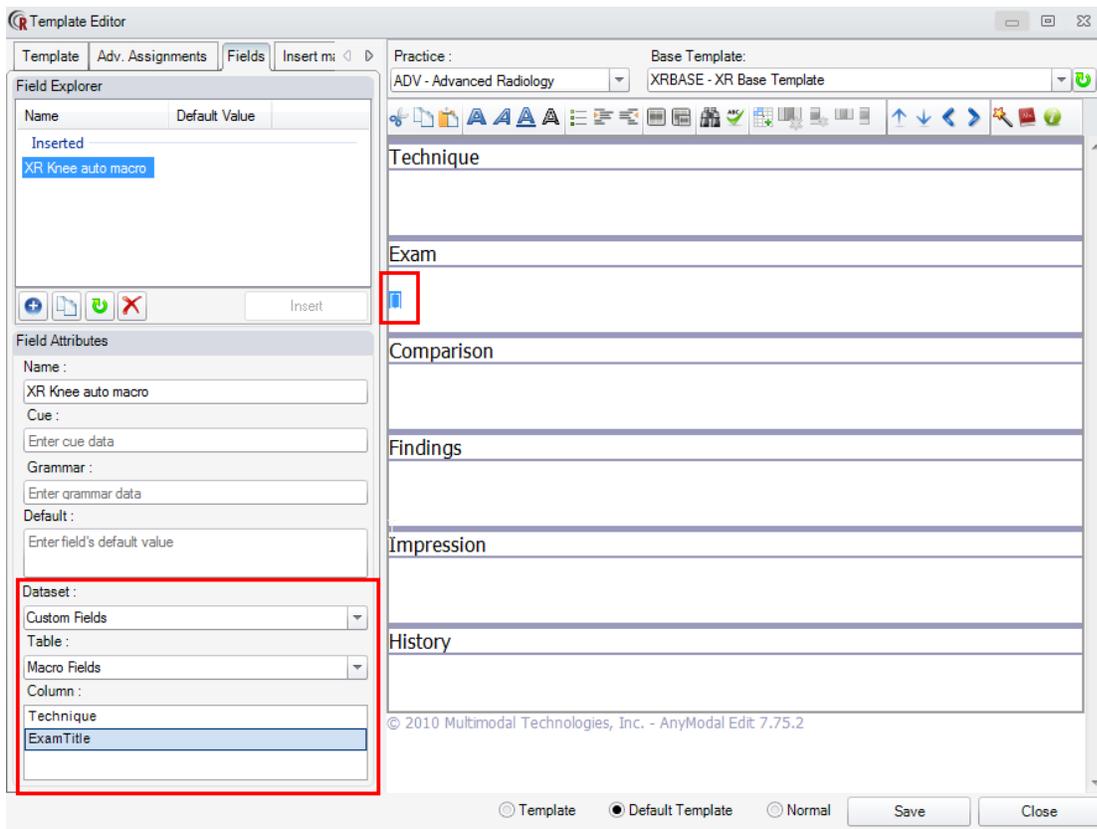


Figure 4.22 – Creating template that auto populate exam title

- On the fields tab select the Add field button , enter a field name.
- Dataset select **Custom Field**
- Table select **Macro Fields**
- Column selects either **Technique or Exam Title**. This should match the Auto Macro Type that was chosen earlier.
- Insert the field in the template
- The template must be assigned to a specific practice, and a base template selected
- Procedure(s) and users can be assigned. A default owner can also be set. In this example the template is available to the same procedures selected in the Auto Macro.
- Save the template.

Now when opening a procedure the template is assigned to the Exam section within the editor will be auto populated with the exam title and laterality.

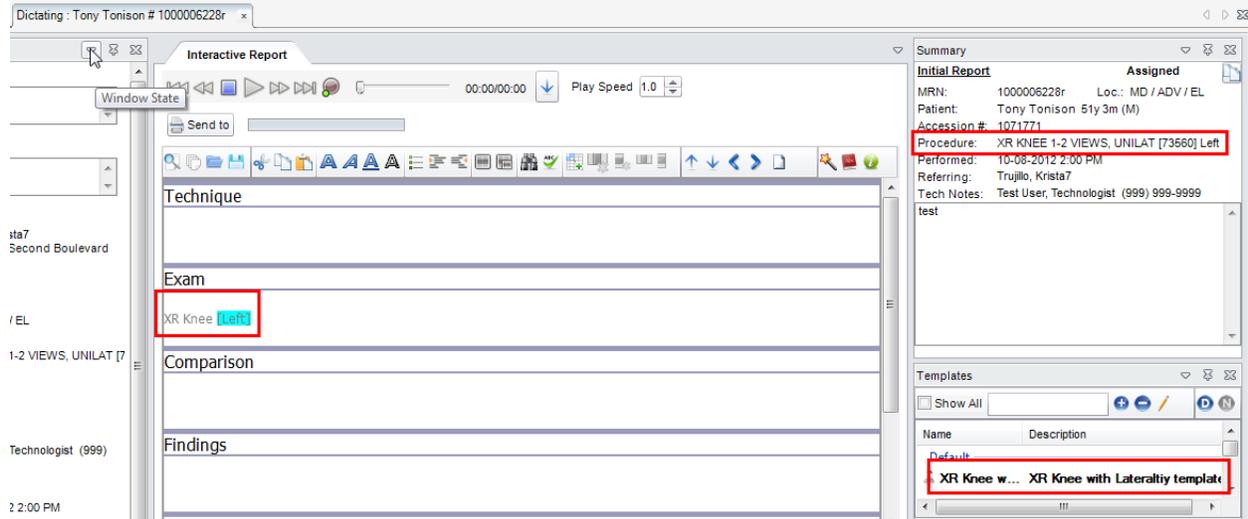


Figure 4.23 – Dictate window displaying auto populated exam title

Reporting – Release Report Workflow Enhancements

A couple of minor additions have been added for the Release Report Workflow.

First addition is the Signed, Pending Release WL has had the context menu option to “Set Suspended Flag” added. Once the Suspended Flag is set, the study is removed from the Signed, Pending Release WL and will appear on the Suspended WL. Also, when the Suspended flag is removed, the study will reappear on the Signed Pending Release WL

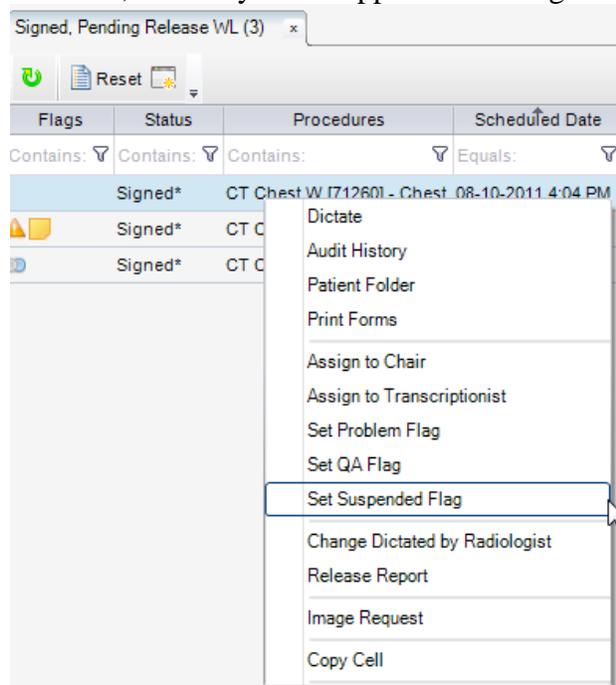


Figure 4.24 – Signed, Pending Release WL context menu options

Second addition is a new access string called "Reporting.ReleaseOthersTentativeSignedReports". This access string will allow other users who did not sign the report, have the option to manually release the report from the context menu.

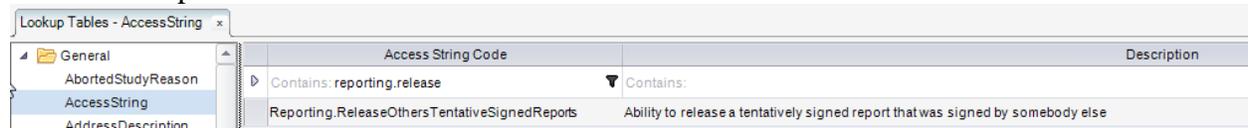


Figure 4.25 – Access string lookup displaying new string "Reporting.ReleaseOthersTentativeSignedReports"

As always, it is suggested that the access string permission be set at the User Group level and not from the Access String lookup.

Reporting – New User Preference for SpeechMike and Speech Commands

Two new Speechmike button actions have been added in Build 38. The DeleteField and DeleteFieldAndMoveNext options can be assigned to buttons on your Speechmike.

The screenshot shows the 'User Preferences' dialog box with the 'Reporting' tab selected. Under the 'SpeechMike™ Button Actions' section, the following assignments are visible:

Key	Action
F1:	NextField
F2:	PreviousField
F3:	DeleteFieldAndMoveNext
F4:	DeleteField
EOL:	SignDictation
Instr:	Nothing
Trigger:	DeleteFieldAndMoveNext

The F3 and F4 rows are highlighted with a red rectangular box.

Figure 4.26 – New Speechmike button action possible assignments

1. Delete Field(Selection)
This will delete the selected field or selected word(s) only. Cursor will stay at the current location for further dictation.
2. Delete Field and Next Field
This will delete the current field and proceed to the next available field in the report. This allows for quick deletion of fields in the report. As some doctors like to have all options in fields and delete the selections they want to keep.

Reporting – Reporting Window Toolbar Additions

The Dictate window toolbar has 3 new icons added in build 38. The Mic Wizard, Dictionary and Document Model are now accessible from these 3 icons.

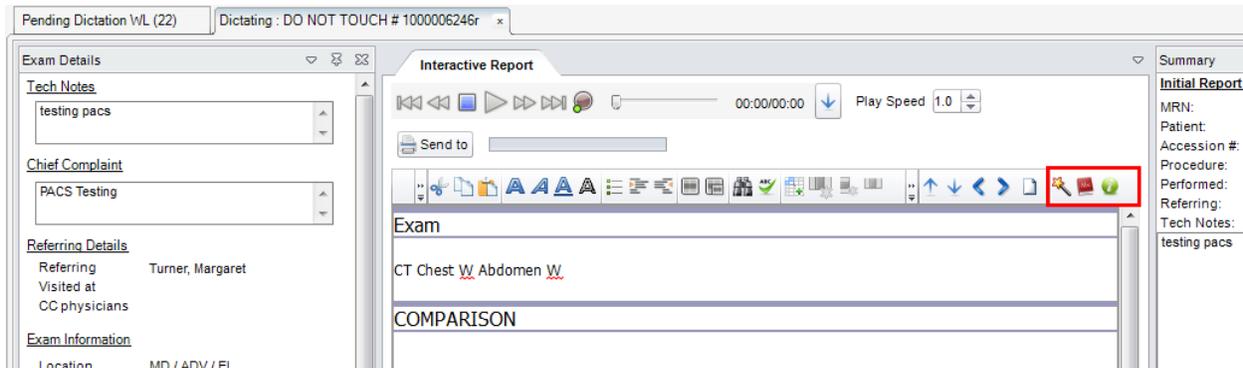


Figure 4.27- Reporting window new icons

Mic Wizard

The Mic Wizard in previous version could only be accessed from user preferences window. In build 38 the Mic Wizard can be accessed in the “Dictate” window (aka reporting window).

Selecting the Mic Wizard icon  from the toolbar will open the MicConfig window. By following the series of windows in the wizard, the user can configure their microphone for current eRAD RIS session.



Figure 4.28 – MicConfig window

Dictionary

The Dictionary can now also be accessed from the Dictate window. Similar to the Mic Wizard, the Dictionary was only access via the User Preferences window.

Selecting the Dictionary icon  will open the Interaction Dictation Dictionary window.

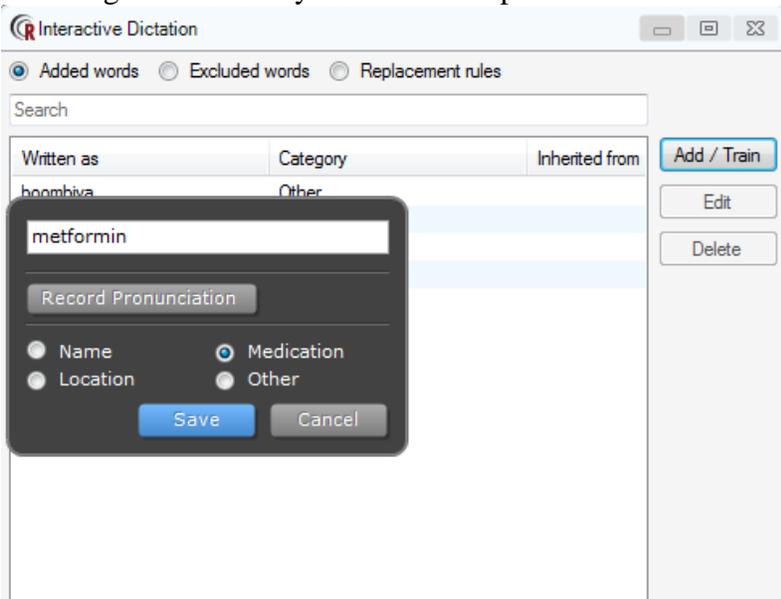


Figure 4.29 – Dictionary window

The Dictionary allows the user to enter uncommon words or words that are not as easily recognizable when spoken. The user enters the spelling, records the pronunciation, select the appropriate radio button to associate the latest word and save. The next time the word is used it will be recognized and inserted into the report.

Document Model

The 3rd new icon added to the toolbar is too access the Document Model information .

The window that is presented to the user provides information about the setting and rules for the base template being used for the currently selected template in the editor. This is a read only window and is used for information purposes only.

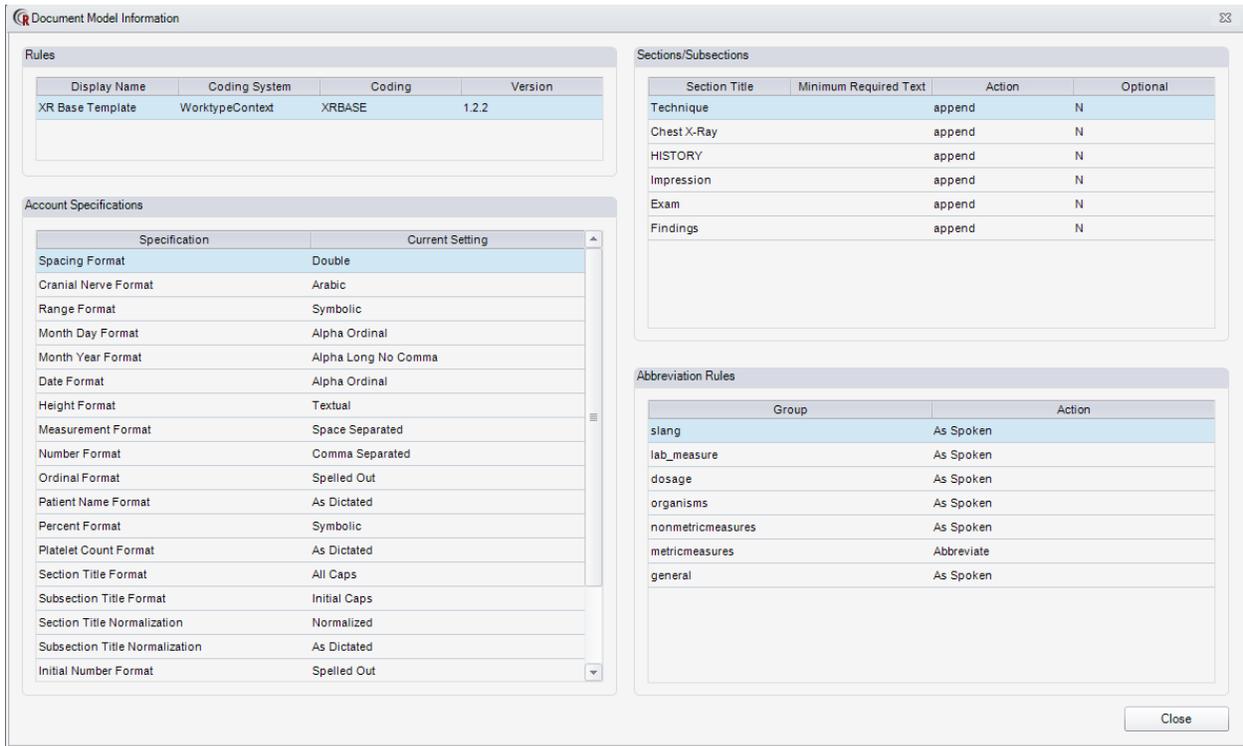


Figure 4.30 – Document Model information window

Reporting – Correction Dialog Box

When dictating in Interactive mode a means to correct words and add them to the dictionary in a more fluid and user friendly matter was needed.

In build 38 a popup correction dialog has been implemented that can be instantiated by using the “correct <utterance>” command. Utterance is a specific word or group of words. Try to limit this utterance to 3 or 4 words. Anything beyond that will be unproductive to use this dialog.

You can also instantiate the correction dialog by issuing “correct <word> through <word>”.

Additionally you can instantiate the correction dialog by issuing “correct selection” which will open the correction dialog with the selected text in the editor.

When this dialog is opened the users can easily dictate a new word or correct the existing one by typing. In this case I would choose to type the word “cylinders” because it is not in the dictionary.

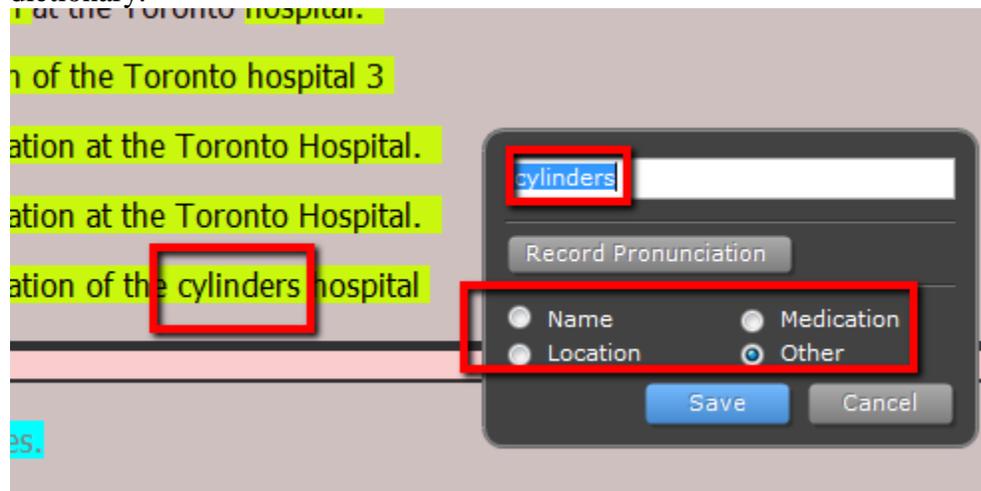


Figure 4.31 – Correct dialog

As you can see after I typed “cylinders” in the correction dialog it added it automatically to the list of added words in my dictionary.

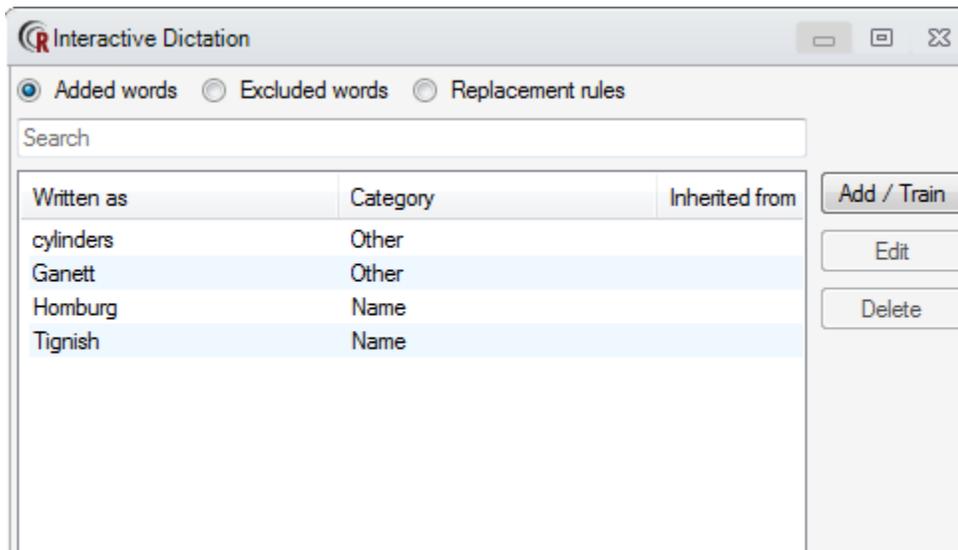


Figure 4.32 - Corrected word added to dictionary

After users correct the word by typing or dictating it can be saved or cancelled. Users can train the word by clicking the Record Pronunciation button. It will change color to RED and then automatically turn off. Click “save” to keep changes.

Reporting - Upgrade MModal to Latest Version

We received new set of .dll files from MModal which were integrated into the current code stream.

The files are housed in the rRISSetup.msi file and are installed locally when a full install is completed (running coreinstall.bat file).

The files included are:

AnyModalCaptureControl Version **v7.75.7751.215**

AnyModalEdit control version **7.75.2.97**

AnyModalCaptureUILib version 7.75.25.342

Reporting – Laterality Discrepancy Check

This new feature can be enabled / disabled with a new user preference added to the Report Editor tab of the User Preference window.

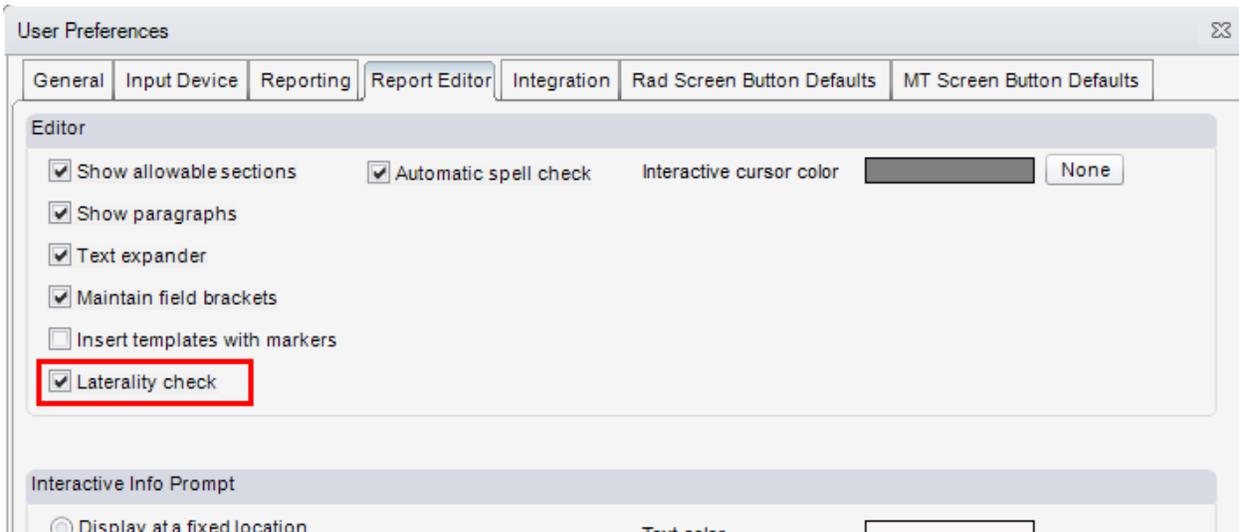


Figure 4.33 – Laterality check user preference

With the laterality check user preference enabled, if the user attempts to sign a report in which the laterality of the procedure conflicts with the laterality within the report the user will be presented with a message box.

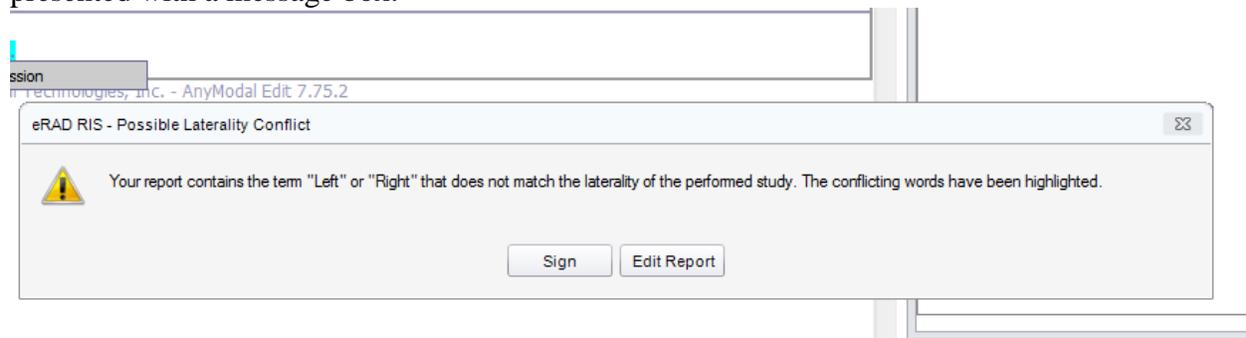


Figure 4.34 – Possible Laterality Conflict message

The conflicting laterality's will be highlighted within the report. The procedure laterality will be highlighted in green, and the conflicting "left or right" text will be highlighted in orange. The screenshot below is displaying the procedure with laterality in the Summary pane. In the report we can see the laterality that matches within the report is green and the one that doesn't is orange.

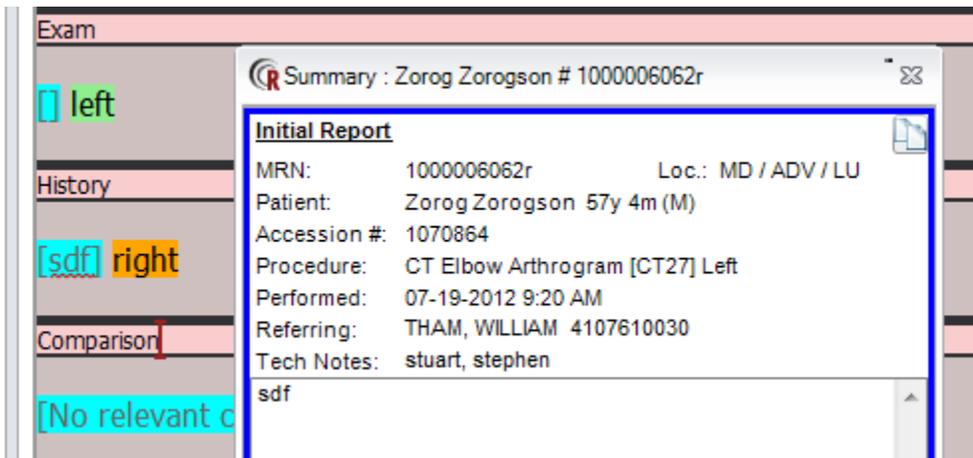


Figure 4.35 – Conflicting laterality’s highlighted in report

Correction Dialog User Preference

The “Correction Dialog” box is displayed in the reporting window. It allows the user to correct and train with speech word(s) that have not been recognized as originally dictated, and going forward when the user dictates this word(s), it will continually be recognized.

The “Correction Dialog” box is now controlled with a new user preference added to the Reporting tab of the User Preference window. When unselected the “Correction Dialog” window will not appear with the “Correct <utterance>” command is used.

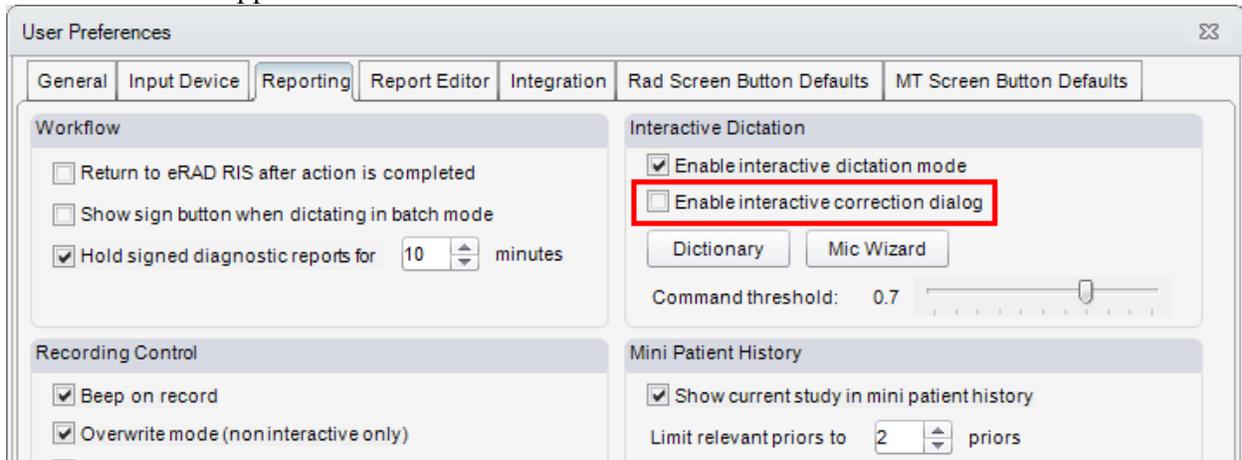


Figure 4.36 – Enable interactive correction dialog user preference

Also of note, in previous builds the “Correction Enabled” in the Interactive Panel controlled this feature, but it only applied to the current RIS session. The new user preference will also control the “Correction Enabled” check box in the Interactive Panel.

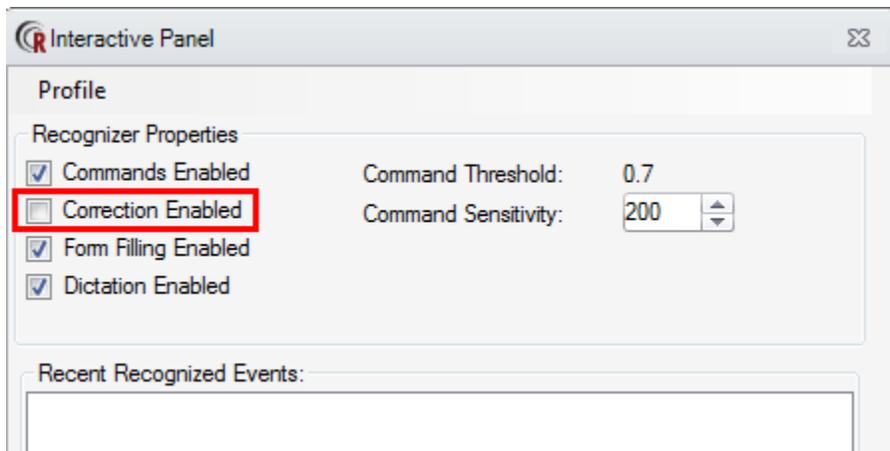


Figure 4.37 – Correction Enabled in Interactive Panel

Signed, Pending Release enhancement

The Signed, Pending Release WL now includes the Sign Reports button. This new button is located in the lower right of the work list. Selecting this button will open the Signing window. This is the same window that is opened from the Pending Signature window.

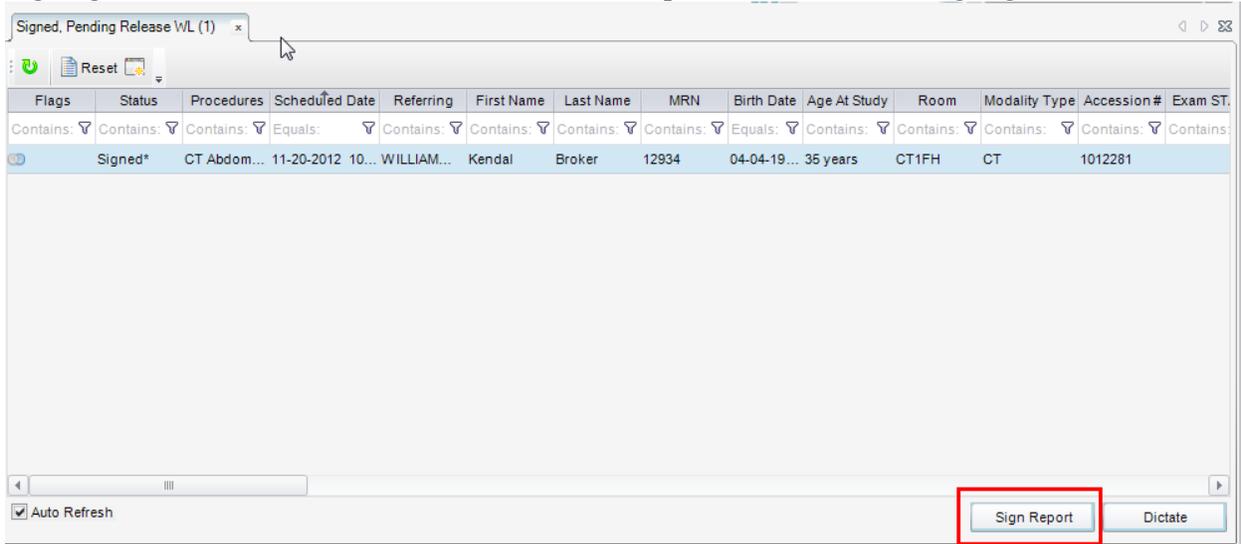


Figure 4.38 – Signed, Pending Release WL with Sign Report button

SpeechMike Mappings to Functional Buttons

In previous builds there were options for “Sign Report”, “Sign Dictation”, “Submit Audio” and “Cancel Dictation”, but they didn’t work when mapped to any of the functional keys on the SpeechMike. This has been resolved in server patch 38.002.

CTRN (Radar) Reminder Request

This is for Build 38 – 38.002. On the Schedule Review tab in build 38 there is a Reminder Request button that will allow the user to enter in a phone number, email, or mobile phone number to send a reminder request. For build 38 this button is controlled but the access string “Clinical.Schedule.ReminderRequest”.

Billing Exception for Missing Billing Codes

If the exam being performed has an inactive billing code or the code is set to inactive during the technologist workflow, the exam will now go to the billing exception work list and a note will be posted in the Billing Notes section.



Figure 4.39 – Billing exception posed for study without an active billing code

Chair Service

Chair workflow is used to help divide studies between radiologists. In prior sprints we had developed functionality to show a chair ID and qc flag on the worklist, but we were leaving it up to external systems to maintain these fields.

In Build 38 we have enhanced the RIS client to support setting these fields. In addition, we have also added a Hard copy prior's flag.

When a radiologist logs in with a practice that supports Chair workflow, they will be prompted to select their “Primary” chair. The list of chairs is determined by the radiologist’s current practice. The number in parenthesis represents the number of exams pending dictation that have been assigned to each chair.

This setting will be persisted for their entire log in session and will be used to assign credit to a chair when a Rad dictates or signs an exam.

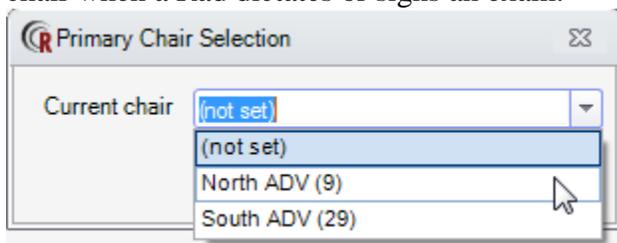


Figure 4.40 – Primary Chair Selection after login

Once a selection is made, the primary chair selection will be displayed in the title bar of the application.

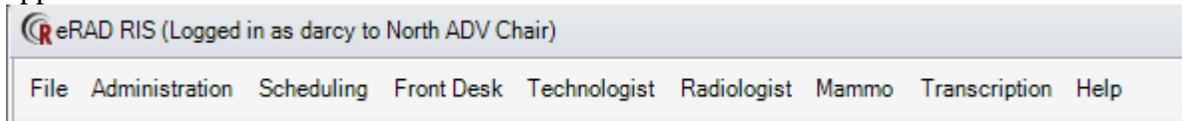


Figure 4.41 – eRAD RIS title bar displaying primary chair

If the user dismisses the primary chair selection dialog box or chooses (not set), they will be prompted to make a selection later when/if they open the My Pending Dictation WL or when they try to dictate/sign an exam.

The status bar of the RIS client now includes a Chair control which displays a chair icon (subject to change) and the current chair (if set). This control launches a Chair Selection dialog box which allows the radiologist to set an additional Chair filter for any open work lists that are chair enabled (currently only the Pending Dictation Worklist is chair enabled).

This control will only be visible for a user who is configured as a radiologist, and it will only apply to a practice that is chair enabled.

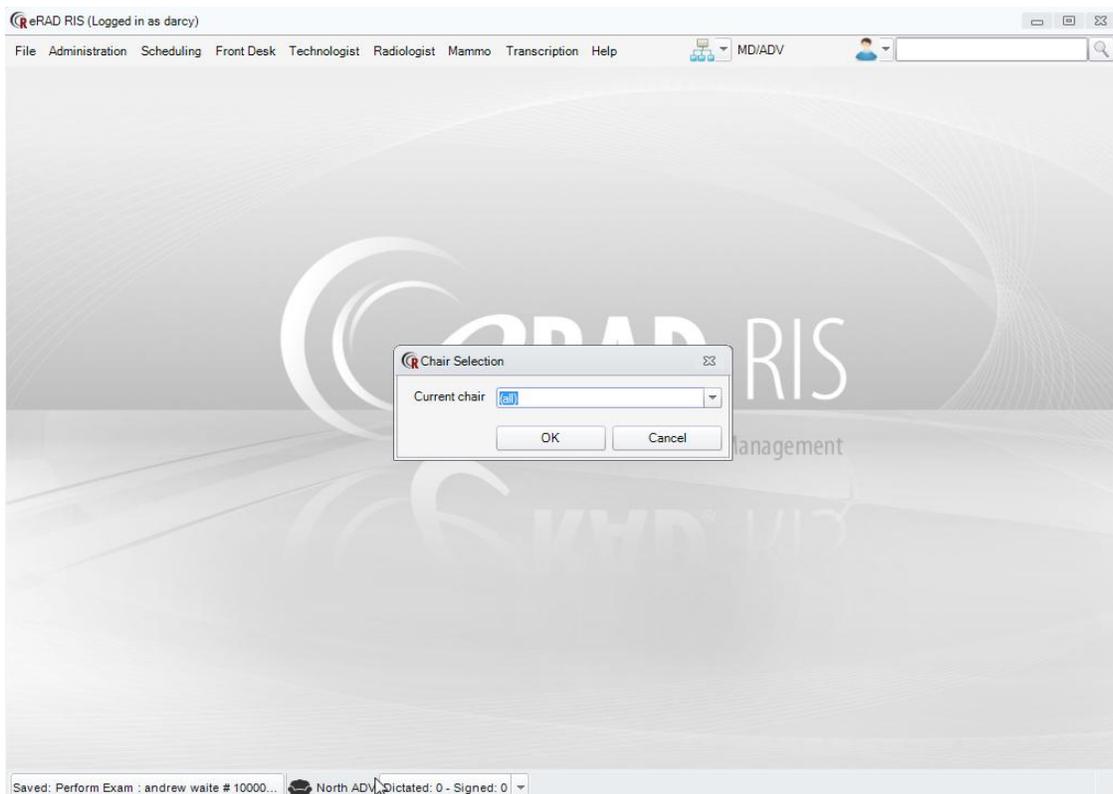


Figure 4.42 - Access to chair selection and current selection in status bar

The Chair Selection dialog box can be triggered in 1 of 3 ways:

- 1) The radiologist clicks on the chair icon on the status bar
- 2) The radiologist opens a chair enabled worklist when the active chair is not set (or is set to “all”)
- 3) The radiologist has previously specified a chair, but switches the current practice to another chair enabled practice using the “Org Picker”.

Like the “Org Picker”, the chair control automatically applies a filter and adds it to the user’s current filters. Example: if a radiologist has a “My View” configured for CT Exams, they do not need to create one for each practice or chair.

If the primary chair has not been set, the chair icon will set both the primary chair and the chair filter for the dictated work list. After the primary chair has been set, the chair selection will only be used as a work list filter, and will not update the title bar in the RIS client. To be clear, it is the primary chair shown in the title bar that is used to assign credit to a chair, not the work list filter shown on the bottom of the RIS in the status bar area.

Changes to work lists

A new item was created for the context menus on the Pending Dictation work list. The user can now select one or more rows and choose Assign to Chair to open a dialog box that allows them to specify the Chair settings.

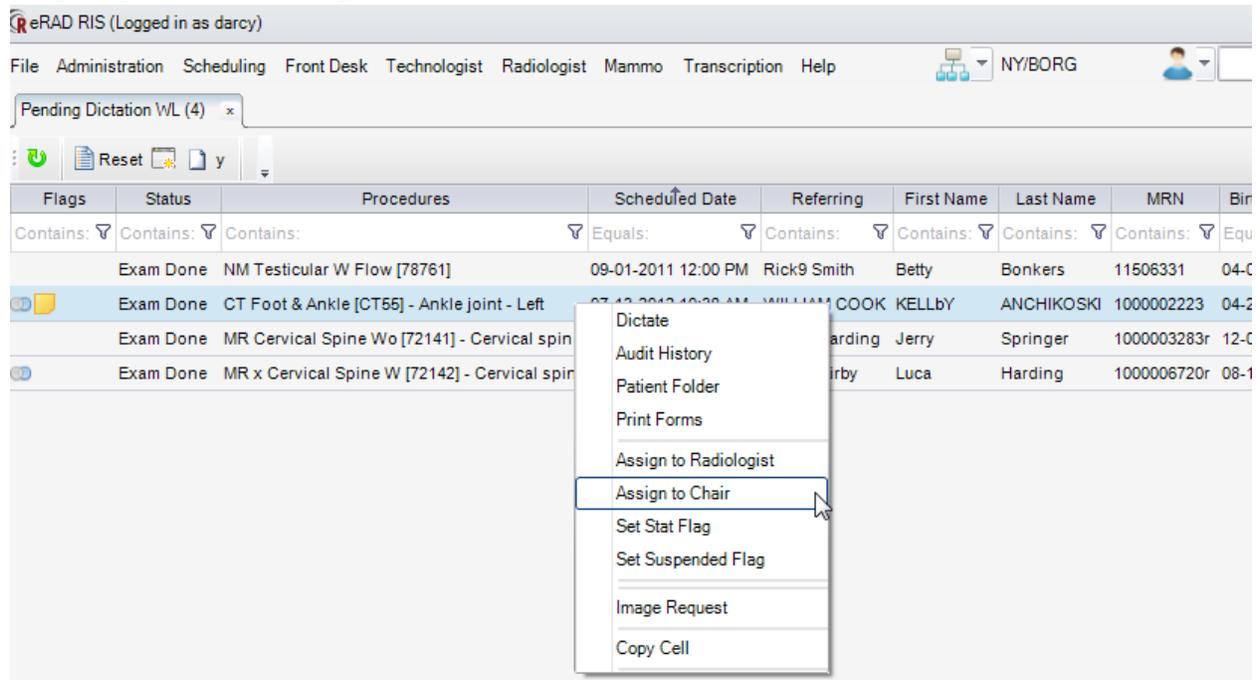


Figure 4.43 – Context menu for Pending Dictation

Selecting this menu option will open the Assign to Chair window.

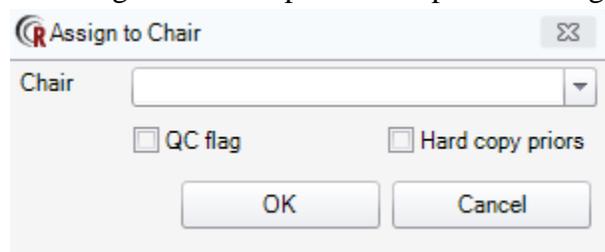


Figure 4.44 – Assign to Chair window

Chair assignments from the work list are audited and logged in an action table so they updates are able to be sent out to third party systems using Mirth.

“Hard copy priors” was added to both the radiologist’s work lists and the activity work list.

When a radiologist opens the Dictation or Signing Screen, if they have not yet selected a chair, they will be presented with the following message:



Figure 4.45 – Message displayed when opening Dictate or Sign Reports window if chair has not been selected

Selecting OK to the above message will present the user with the chair selection window.

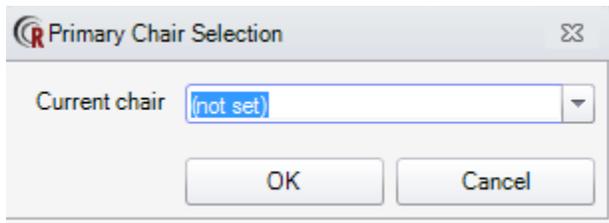


Figure 4.46 - Primary Chair Selection window

If Cancel is selected, the user is returned to the work list. To access the dictation or sign reports window, the user must select a chair then OK.

If the Radiologist signs or dictates an exam for which no chair has previously been assigned, the Radiologist’s Primary Chair will be assigned to that exam.

Technologist window changes

We have added a hyperlink to the tech screen to describe the current chair settings:

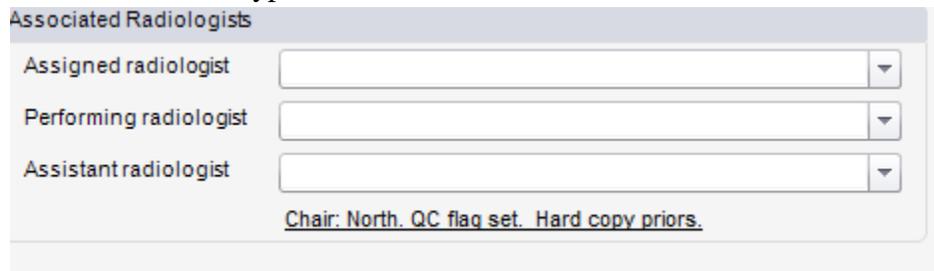


Figure 4.47 - chair hyperlink on tech screen describes the current chair settings

When the link is clicked, the following dialog box appears:

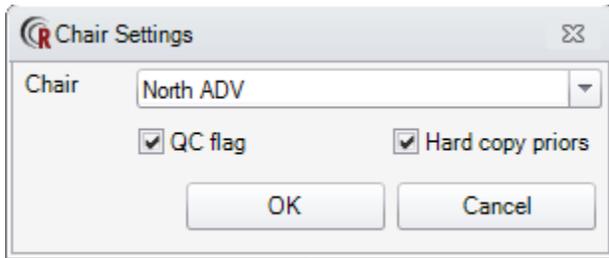


Figure 4.48 - Chair Settings dialog box as displayed from tech screen

The Chair Settings dialog box will provide a list of chairs for the current practice, a QC Flag checkbox and a Hard copy priors checkbox. If the user presses “OK” the changes will be saved immediately (i.e. it is not dependent upon the user saving and closing the tech screen). Changes triggered from this dialog box are logged to the audit table and they are also stored as an action that can be delivered to external systems via Mirth.

Chair Configuration / Setup

A new lookup table titled “Chair” has been added and is accessed from the Administration > Configure > System > Chair.

Chairs can be defined with a unique chair code, user friendly description, and an associated practice.

A practice can have 0 or more chairs. A single chair can belong to only one practice.

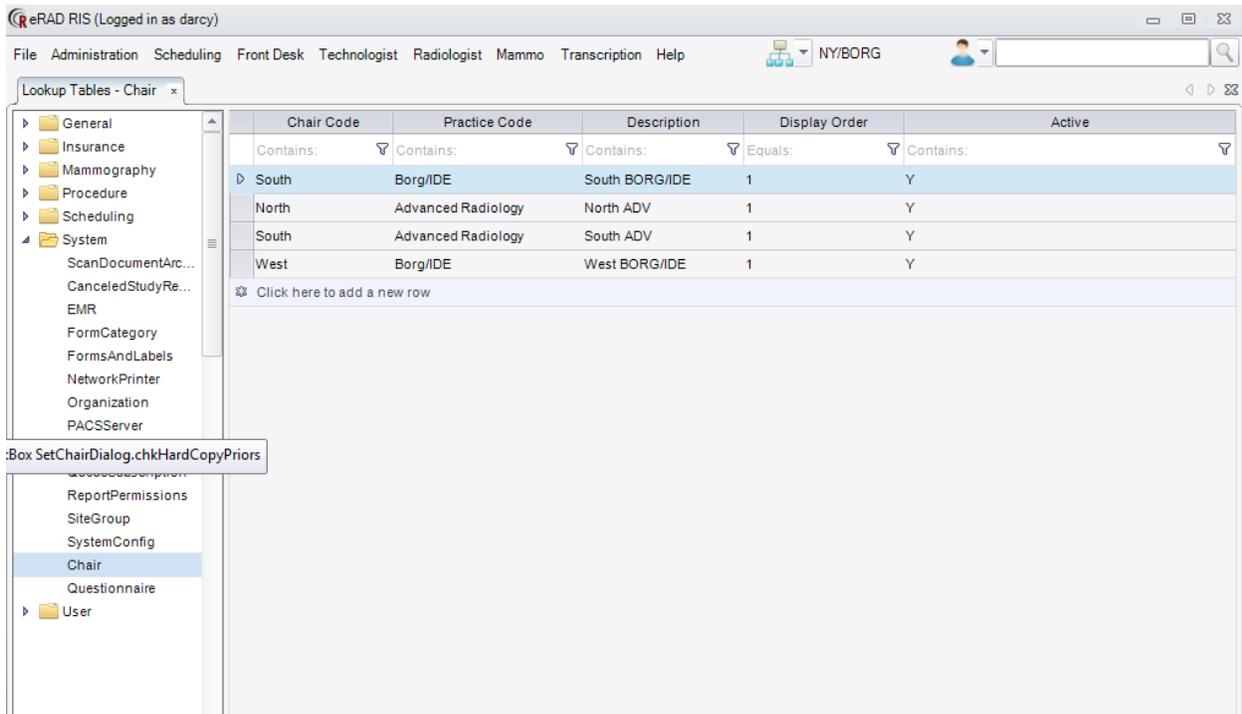


Figure 4.49 – Chair lookup table

The Organization lookup has also seen a change. To enable Chair work flow for a practice, edit the desired Practice and check to the Chair enabled work flow check box.

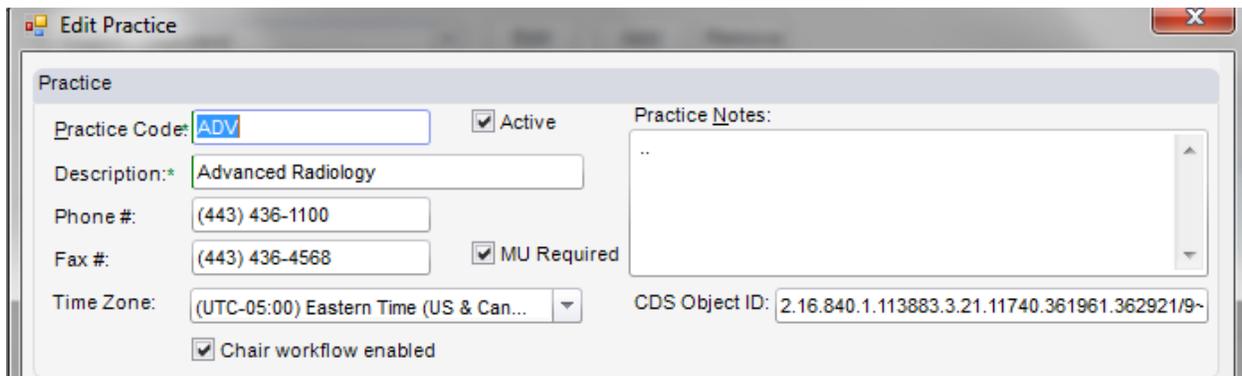


Figure 4.50– Practice enabled for chair work flow

Scheduling Across Rooms

A new dynamic column in the scheduled order window has been introduced to give the user a visual representation of the rooms to be selected without reserving the times. In the advanced search > details view the room is displayed in the search results when procedure with different modalities are chosen.

The screenshot displays the 'Schedule Order' window with the following components:

- Order List:** A table with columns: Order, Studies, Duration, Room, Scheduled Date. It lists three studies: 'XR RIBS 3 VIEWS, BILAT', 'CT Chest W Abdomen WChes', and 'XR Chest PA Lat, Obliques(Ches'.
- Filters:** 'Body part' set to 'Chest' and 'Laterality' set to an empty dropdown.
- Summary Table:** A grid showing study slots for rooms EL, FH, and LU from 11-09-2012 to 11-13-2012. The table is organized by date and room.

EL			FH			LU		
Fri, 11-09-2012								
7:30 AM	XR RIBS 3 VIEWS, BILAT	XR1EL	7:45 AM	XR RIBS 3 VIEWS, BILAT	XR1FH	7:45 AM	XR RIBS 3 VIEWS, BILAT	DX1LU
9:00 AM	CT Chest W & Abdomen W	CT1EL	7:50 AM	CT Chest W & Abdomen W	CT1FH	7:50 AM	CT Chest W & Abdomen W	CT1LU
10:00 AM	XR Chest PA Lat, Obliques	XR1EL	8:20 AM	XR Chest PA Lat, Obliques	XR1FH	8:20 AM	XR Chest PA Lat, Obliques	DX1LU
Fri, 11-09-2012								
7:30 AM	XR RIBS 3 VIEWS, BILAT	XR2EL	7:45 AM	XR RIBS 3 VIEWS, BILAT	XR2FH	7:45 AM	XR RIBS 3 VIEWS, BILAT	XR1LU
9:00 AM	CT Chest W & Abdomen W	CT1EL	7:50 AM	CT Chest W & Abdomen W	CT1FH	7:50 AM	CT Chest W & Abdomen W	CT1LU
10:00 AM	XR Chest PA Lat, Obliques	XR1EL	8:20 AM	XR Chest PA Lat, Obliques	XR1FH	8:20 AM	XR Chest PA Lat, Obliques	DX1LU
Fri, 11-09-2012								
7:35 AM	XR RIBS 3 VIEWS, BILAT	XR2EL	7:50 AM	XR RIBS 3 VIEWS, BILAT	XR1FH	7:50 AM	XR RIBS 3 VIEWS, BILAT	DX1LU
9:00 AM	CT Chest W & Abdomen W	CT1EL	7:55 AM	CT Chest W & Abdomen W	CT1FH	7:55 AM	CT Chest W & Abdomen W	CT1LU
10:00 AM	XR Chest PA Lat, Obliques	XR1EL	8:25 AM	XR Chest PA Lat, Obliques	XR1FH	8:25 AM	XR Chest PA Lat, Obliques	DX1LU
Fri, 11-09-2012								
7:40 AM	XR RIBS 3 VIEWS, BILAT	XR2EL	7:50 AM	XR RIBS 3 VIEWS, BILAT	XR2FH	7:50 AM	XR RIBS 3 VIEWS, BILAT	XR1LU
9:00 AM	CT Chest W & Abdomen W	CT1EL	7:55 AM	CT Chest W & Abdomen W	CT1FH	7:55 AM	CT Chest W & Abdomen W	CT1LU
10:00 AM	XR Chest PA Lat, Obliques	XR1EL	8:25 AM	XR Chest PA Lat, Obliques	XR1FH	8:25 AM	XR Chest PA Lat, Obliques	DX1LU

Figure 4.51 – Schedule order window displaying new column for rooms when multiple studies of different modalities

Modality Editor Lookup Restriction by Site

This new feature will prevent users from adding or modifying modalities for other practices. This is controlled by a new access string “Config.LookupEditor.Modality.ViewAll”

Full access to the above access string will allow the logged in user access to all modalities in the Modality lookup editor. Access as none, will grant access to only those modalities the user is associated with.

Organization Picker Title Bar Color

To assist users who may select different practices from the Organization Picker, each practice can be assigned a designated color that will change the color of the title bar. This is accomplished by editing the practice from the Administration menu > Configure > Organization > then select the practice and open for edit.

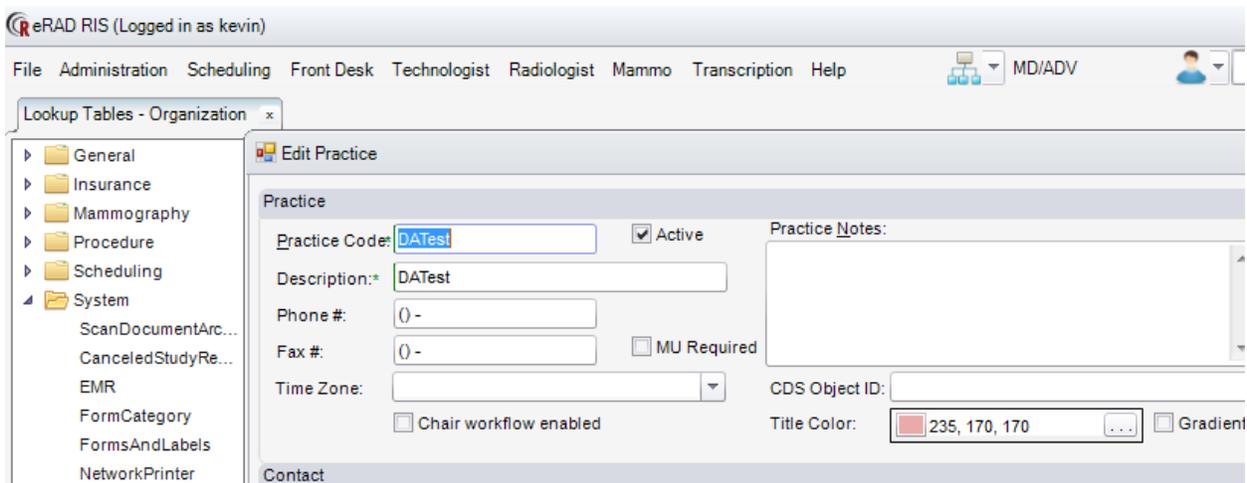


Figure 4.52 – Edit Practice displaying how to set title bar color

With the above practice configured for the color shown above, when the user selects this practice from the Organization Picker, the title bar will be of this color. This color will also be displayed upon logging into the application to this practice



Figure 4.53 – Colored title bar

Schedule Order not displaying locked times

Desired by the users the removal of locked appointment times in the schedule order window. Previously we relied on the red boarder around the Scheduled Date in the procedure picker row to inform the user that a specific time wasn't available.

We have added a system configuration setting:

ReservedTimeSlotsReturnedinSearchResultsEnabled



System Config Code	Value	Default	Description
Contains: reser	Contains:	Contains:	Contains:
ReservedTimeSlotsReturnedinSearchResultsEnabled	True		(value = Y/N) Determines if a Reserved Time s...
Click here to add a new row			

Figure 4.54 – SystemConfig table display new system config code

When set to true, which is the default setting, search results will return as they always have.

When set to false, if user A has a time selected in the search results, user B completes a search, the time selected by User A does not return in the search results for user B.

If user A has a schedule order window open and selects a time slot to reserve or lock it, then user A opens a second instance of the schedule order window, the locked time in first schedule order window will appear in the search results, but as before, when selected a red boarder will appear around the Scheduled Date column on the procedure picker row indicating it is not available.

Management Report – Addended Mammography Exams

The Addended Mammography Exams report displays a list of mammography exams that have been addended and dictated within the selected date range. Identification of a mammography exam is based on the procedures mammo type code value being configured.

Parameters:

- From & To Dates (based on dictation date)

Date references:

- Study, interpretation and patient tables

Addended Mammography Exams
 Date Range: 8/6/2012 - 9/6/2012
 Description: This report displays a list of mammography exams that have been addended and dictated within the selected date range. Identification of a mammography exam is based on the procedures' mammo type value being configured.

Accession #	MRN	Patient Name	Status	Dictated by	Signed by
		[Redacted]	Signed1	harinn	harinn
		[Redacted]	Signed1	giulianoc	giulianoc
		[Redacted]	Signed1	zelenkon	zelenkon

Figure 4.55 – Addended Mammography Exams report

Management Report – Last Login by User ID

The Last Login by User ID report displays the audit information capturing the last login for each user for eRAD RIS. This report will be used for security audits. The report is accessed under the Management Reports \ Maintenance menu.

Parameters:

- None

Data references:

- C_audit table
- L_user table

Last Login by User Id

Description: This report displays the audit information capturing the last login for each user with the RIS.

User Id	User Name	Active	Last Logon
stick	Stick Powell	Y	10/4/2012 11:22:30 AM -04:00
denis	Denis Doiron	Y	10/4/2012 10:38:52 AM -04:00
regtest	Registration Test User	Y	10/4/2012 10:28:53 AM -04:00
darcyn	Darcy Noye	Y	10/4/2012 9:34:00 AM -04:00
lan	Ian Power MD	Y	10/4/2012 7:33:27 AM -04:00
gordon	Gordon Craig	Y	10/4/2012 7:09:37 AM -04:00
hardingc	Clifton Harding	Y	10/3/2012 3:10:17 PM -04:00
darcy	Darcy Aiken	Y	10/3/2012 12:12:24 PM -04:00

Figure 4.56 – Last Login by User Id report

Management Report – QA Radiologist Review

The QA Radiologist Review report displays the current status of studies that have been flagged for review. The report can be viewed in the eRAD RIS from the Management Report window \ Statistics \ Radiologists.

Dictated By	Modality Type	Accession	Status	Quality Code	Reviewed by	Reviewed Date
Clifton Harding						13
	<input type="checkbox"/> CT					5
	<input type="checkbox"/> MA					5
	<input type="checkbox"/> MR					3
Darcy Noye						9
	<input type="checkbox"/> CT					8
		1070823	CT Chest W & Abdomen W [CT4] - Chest			
			Transcribed	REJECTED	darcyn	09-21-12 11:51 AM
		1070873	CT Thoracic Spine W [72129] - Lumbar spine			
			Signed1	REJECTED	darcyn	09-25-12 12:50 PM
			Signed1	REJECTED	darcyn	09-25-12 01:28 PM
			Signed1	REJECTED	darcyn	09-25-12 01:31 PM
			Signed1	REJECTED	darcyn	09-25-12 01:33 PM
			Signed1	REJECTED	darcyn	09-25-12 01:37 PM
			Signed1	REJECTED	darcyn	09-25-12 01:38 PM
		1071081	CT Abdomen W & CTA Chest W/Wo [CT66] - Abdomen			
			Transcribed	REJECTED	darcyn	09-21-12 12:04 PM
	<input type="checkbox"/> XR					1
Denis Doiron						2
	<input type="checkbox"/> CT					2
Roman Embleton						1
	<input type="checkbox"/> CT					1
System						1
	<input type="checkbox"/> CT					1

Figure 4.57 – QA Radiologist Review report

Management Report – Referring Physician List

The Referring Physician List report displays the complete list of referring and unknown referring physicians that are active in the eRAD RIS. Also displayed are the NPE, UPIN, License #, DEA#, address, phone, and fax numbers. The report is accessed under Management Reports\Maintenance.

Parameters:

- None

Data reference:

- Person and person address

Referring Physician	NPI	UPIN	Licence #	DEA#	Address, Phone & FAX
[REDACTED]					asdfasdf asdf . Phone: FAX:
[REDACTED]					150 White Cowley Road 135 Rocky Milton St. Iowa, Denver 72068 Phone: FAX:
[REDACTED]					37 Milton Boulevard 15 Oak St. Georgia, San Diego 31720 Phone: FAX:
[REDACTED]					214 South Clarendon Road 757 Green Cowley Drive Wisconsin, Pittsburgh 67825 Phone: FAX:
[REDACTED]					938 West White Clarendon St. 89 Green First Way North Carolina, Aurora 18944 Phone: FAX:

Figure 4.58 – Referring Physician List report

Management Report – Referring Physician Volumes

The Referring Physician Volumes report displays the volumes of orders placed by referring physicians within the practice(s), site(s) date range selected. The report is accessed under Management Reports \ Operations.

Parameters:

- Practice
- Site(s)
- From, To Dates

Data references:

- Order table, person table for active referring physicians

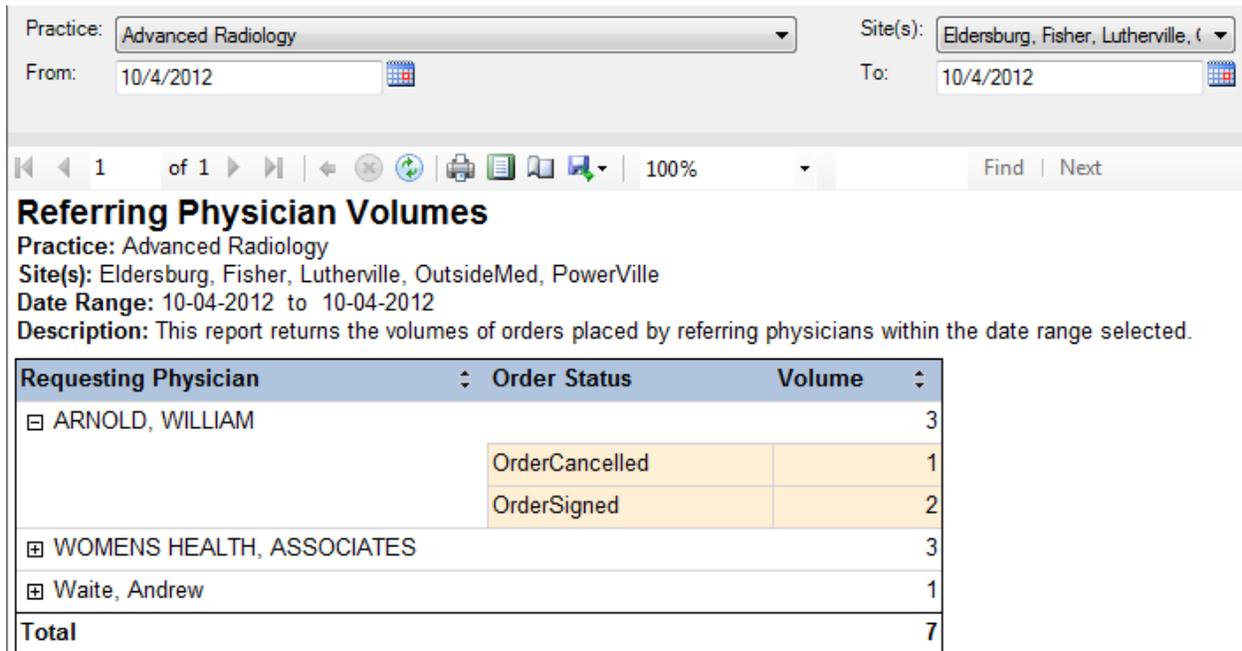


Figure 4.59 – Referring Physician Volumes report

Management Report - Chief Complaint Audit

The Chief Complaint Audit report displays a list of chief complaints captured on exams. The report is based on the date range selected for date of service.

Parameters:

- Date Range

Data references:

- Order and study tables (excluding cancelled and aborted status)

Chief Complaint Audit

Date: 9/7/2012

Description: This report displays a list of the chief complaints identified on exams based on the date of service falling between the dates selected.

DOS	Patient Name	Status	Scheduled By	Arrived By
09-07-12	[REDACTED]			
	Accession #: 1000032714 Procedure(s): MA Digital Screening Mammo W CAD [G0202] - Breast - B Chief Complaint: PREV 8/25/11 NO CHANGES			
	[REDACTED]			
	Accession #: 1000031800 Procedure(s): MA Digital Screening Mammo W CAD [G0202] - Breast - B Chief Complaint: ROUTINE			
	[REDACTED]			
	[REDACTED]			

Figure 4.60 – Chief Complaint Audit report

Management Report Deployment Changes

Separation of samples from the management reports deployment.

Reason for doing this are:

- Smaller deployment of management reports (reduction of 270+MB)
- The sample forms were specific to Radnet, and may not be appropriate to share with external operations\competitors.

Also modified report deployment to enable the implementation team the ability to drop files into the following folders:

- Upload Forms (and a subfolder called SubReports)
- Upload Diagnostic Templates (and a subfolder called SubReports)

These folders should never have files in them from R&D. They are designed solely for the implementation team to upload files they wish to include. The files will be uploaded into the site-specific folder called Forms or Diagnostic Templates depending on the type of file being uploaded.

Ie: if the implementer is setting up a new site and have 40 new forms to copy up to a site, this will enable them drop those files in the folder and it will upload them in bulk vs manually uploading and changing the datasource for each file.

The files will override files that exist in the folder with the same name. At the same time the script does not delete anything out of the destination folders.

Running the deployment now will give the user options to Upload Forms and Upload Diagnostic reports.

As it already does with management reports the datasource for the uploaded forms and templates will be updated to use the destination datasource.

5. Access Strings

Access string	Controls Access to
WL.MT.ReportDraftedQA	Transcription Edits Pending QA WL menu option
WL.RAD.QA	Radiologist Signed Pending QA WL menu Option
Reporting.ReleaseOthersTentativeSignedReports	Enables users to release reports signed but other users
Clinical.Schedule.ReminderRequest	Enables Reminder Request button on the Scheduling Review window. This window is presented from New Appointment window after the Schedule button is selected and mandatory fields have been completed
Config.LookupEditor.Modality.ViewAll	This can restrict or enable a user to configure changes for all modalities in the Modality Lookup Editor
Config.LookupEditor.ImageUploader	This feature was not completed for Build 38, but the lookup table exists. If users don't have this access string they will not see the lookup editor option in the Configure window.

6. Resolved Defects Build 38

Bugs Suggested Features and Support Issues resolved in build 1.38. The extract is taken from Redmine bug tracking system and only displays defects resolved in 1.38.

#	Status	Tracker	Priority	Subject	Category	Found Version
1911	Closed	Bug	Urgent	EMR distribution jobs not updating to completed status	Web Services/DB	1.37
1770	Closed	Bug	Urgent	Reporting - Editing templates getting "Out of Memory Exception"	Thick Client GUI	1.37
2211	Closed	Bug	High	Modality closure - same day		37.13

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2179	Closed	Bug	High	Omin duration studies where obtain a lock of negative duration length		1.37
2135	Closed	Bug	High	Reporting - No way to turn spell checker off	Thick Client GUI	1.37
2134	Closed	Bug	High	Reporting - Global dictionary being over-written	Thick Client GUI	1.37
2116	Closed	Bug	High	River Ranch - experiencing issues when adding / editing insurance information.	Thick Client GUI	37.12
2111	Closed	Bug	High	Reporting - Sign, Skip etc and continue will kick you back to the worklist prematurely	Thick Client GUI	1.37
2109	Closed	Bug	High	RRanch - User(s) is sporadically receiving error messages with the subject of the error being insurance.	Thin Client GUI	37.11
2092	Closed	Bug	High	Reporting - Float a panel, close it, and save layout makes other panes disappear	Thick Client GUI	1.37
2053	Closed	Bug	High	Scheduling - Deleted row information cannot be accessed through the row.	Thin Client GUI	37.11
2033	Closed	Bug	High	Fax number not populating in Send To popup for MTs	Thick Client GUI	1.37
2013	Closed	Bug	High	Reporting - PSPLOG missing error message when logging into ris.	Thick Client GUI	1.37
1935	Closed	Bug	High	Relevance Calculation - patient history and relevance is only sorted on relevance percentage	Thick Client GUI	1.37

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1927	Closed	Bug	High	Inactive dictations can be lost if attempted to be played back in report history	Thick Client GUI	1.2.37.13895
1906	Closed	Bug	High	Sort order needed on preferred radiologist		1.37
1803	Closed	Bug	High	Transcribed by being overridden by rad user id.	Thick Client GUI	1.37
1791	Closed	Bug	High	Focus not set on report when editing	Thick Client GUI	1.37
1789	Closed	Bug	High	Case issue when assigning templates	Thick Client GUI	1.37
1747	Closed	Bug	High	Synch Macros	Thick Client GUI	1.37
1743	Closed	Bug	High	Study opens in Batch mode when it should be interactive.	Thick Client GUI	1.37.5
1729	Closed	Bug	High	Base template dropdown	Thick Client GUI	1.37
1724	Closed	Bug	High	Edit default template may return Concurrency violation	Admin Tools	1.1.2.37.13312
1648	Closed	Bug	High	Not able to change rooms - re-scheduling.	Thick Client GUI	1.36.12866
1640	Closed	Bug	High	Can't open image request editing form from Image request WL.	Thick Client GUI	1.37
1613	Closed	Bug	High	Reporting - Assign to Data pane will not open from view menu	Thick Client GUI	1.37
1563	Closed	Bug	High	Reporting - Update to the latest Radiology Recognizer	Thick Client GUI	1.36
2228	Resolved	Bug	Normal	the "*" character should not be part of the policy number in the ZIN segment	Web Services/DB	1.37

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2204	Resolved	Bug	Normal	accident code in HL7 ACC billing message needs to be in uppercase	Web Services/DB	1.37
2184	Resolved	Bug	Normal	Management Reports - multiple procedure groups	Web Services/DB	1.37
2183	Resolved	Bug	Normal	Management Reports - Accession Milestone Times	Web Services/DB	1.37
2175	Closed	Bug	Normal	Billing message IN1 segment does not contain the correct value for coordination of benefits priority	Web Services/DB	1.37
2165	Closed	Bug	Normal	Management Report - Daily Summary Report	Mgt Reports	1.37.13
2140	Closed	Bug	Normal	Management Report view for Payments	Web Services/DB	1.37
2138	Closed	Bug	Normal	error when re-ordering insurance priority	Thick Client GUI	1.37.14326
2123	Closed	Bug	Normal	Management Report - Transcription Dashboard	Web Services/DB	1.37
2115	Closed	Bug	Normal	slow view c_mgmt_rad_dict_activity	Web Services/DB	1.37.12
2110	Closed	Bug	Normal	Management Report - Unread Exams	Mgt Reports	1.37
2107	Closed	Bug	Normal	error on opening registration when patient has multiple orders for today	Thick Client GUI	1.37.12
2041	Closed	Bug	Normal	Reproting - Rewind doesn't work with interactive dictations	Thick Client GUI	1.37

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2025	Closed	Bug	Normal	Relevance includes all studies when modality is included in Acceptable Modalities	Thick Client GUI	1.2.37.14161
2015	Closed	Bug	Normal	Reporting - Transcribed by user id getting set to the radiologist		1.37
2008	Closed	Bug	Normal	Worklist Sort on column Time Pending Signature	Thick Client GUI	1.37
1995	Closed	Bug	Normal	Addendum report rendering not showing addendm title	Mgt Reports	1.37
1994	Closed	Bug	Normal	If you work on more than 1 person in personnel, any exception messages will show person[0] details, instead of the person you were working on		1.37
1979	Closed	Bug	Normal	Preferred rad order		1.37
1978	Closed	Bug	Normal	14. Preferred Rad if no modality is assigned it should assume all modalities.		1.37
1976	Closed	Bug	Normal	Enter Key in Referring Field should perform search		1.37
1975	Closed	Bug	Normal	Scheduled By user id		1.37
1972	Closed	Bug	Normal	Home/Business address displayorder.		1.37
1970	Closed	Bug	Normal	Include referring prefix/suffix in search results.		1.37
1969	Closed	Bug	Normal	DEFAULT PATIENT CLASS is being ignored		1.37
1965	Closed	Bug	Normal	schedule groups do not clone in the personnel editor.		1.37

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1961	Closed	Bug	Normal	For personal addresses, copy button for delivery address same as address.		1.37
1959	Closed	Bug	Normal	Quick Keys in Batch Reclassification of scan document types doesn't work.		1.37
1957	Closed	Bug	Normal	Copy from the ICD9 search results grid doesn't work.		1.37
1953	Resolved	Bug	Normal	Schedule Order - Can't see start and end dates		37.9
1952	Closed	Bug	Normal	HTML on Conformation WL is messed up		37.9
1950	Closed	Bug	Normal	Management Report - Transcription Dashboard - Beverly VR2	Mgt Reports	1.37
1948	Closed	Bug	Normal	RTAT slow		1.37
1945	Closed	Bug	Normal	Inability to prove polling workflow is being used.		1.37
1944	Closed	Bug	Normal	MTs losing credit on their work.		1.37
1938	Closed	Bug	Normal	FK_study_key error on reschedule of a single study to scheduling a series		1.37.13895
1936	Closed	Bug	Normal	Injury details are not deleted with the Insurance Policy	Thick Client GUI	1.2.37.13859
1928	Closed	Bug	Normal	Users marked as INACTIVE show HTML tag in internal person search	Documentation	1.2.37.13895
1921	Closed	Bug	Normal	Perceived slowness when dictating in minimized mode.	Thick Client GUI	1.37

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1919	Closed	Bug	Normal	duplicate key error when creating a new user with the same username as an already existing user	Admin Tools	1.37.12812
1917	Closed	Bug	Normal	Delete dictation and report is showing as a "Include Retrievals" type of entry	Web Services/DB	1.37
1916	Closed	Bug	Normal	PACS Integration - System Config Max Relevant Studies not relevant as user pref overrides it	Thick Client GUI	1.37
1914	Closed	Bug	Normal	MU Management Reports need Last Updated added to reports.		1.37
1903	Closed	Bug	Normal	Default access level on for VOID study is FULL		1.37
1902	Closed	Bug	Normal	Object reference error from Report on Accession number	Thick Client GUI	1.2.37.13864
1900	Closed	Bug	Normal	CDSService using UI actions	Web Services/DB	1.37
1893	Closed	Bug	Normal	DBNull error when printing patient summary form	Thick Client GUI	1.37.13858
1892	Closed	Bug	Normal	lab order received cannot be null	Thick Client GUI	1.37.13858
1890	Closed	Bug	Normal	Reporting - Document Model Sync cached lookup is out of date	Thick Client GUI	1.37
1889	Closed	Bug	Normal	Should not be able to record a dictation if dictation screen is opened read only		1.37
1885	Closed	Bug	Normal	frequent concurrency violation errors at ARS	Thick Client GUI	1.37.13858
1879	Closed	Bug	Normal	Management Report - Daily Summary Report	Mgt Reports	1.37

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1878	Closed	Bug	Normal	Management Report - Transcription Dashboard	Mgt Reports	1.37
1872	Closed	Bug	Normal	Management Report - Transcription Dashboard	Mgt Reports	1.37
1866	Closed	Bug	Normal	action data does not have all studies in the study container xml	Web Services/DB	1.37
1850	Closed	Bug	Normal	Image Request WL - Reset filters returns "unknown worklist type" error	Thick Client GUI	1.1.2.37.1366 5
1824	Closed	Bug	Normal	MU Measures Details	Thin Client GUI	1.37
1810	Closed	Bug	Normal	Management Report - Transcription Dashboard	Mgt Reports	1.37
1809	Closed	Bug	Normal	Management Report - Transcription Dashboard	Mgt Reports	1.37
1800	Closed	Bug	Normal	Template/Macro editor now filtering properly on initial load	Thick Client GUI	1.37
1799	Closed	Bug	Normal	Sign button is missing from Dictated by Date WL	Thick Client GUI	1.37
1792	Closed	Bug	Normal	Null Visit.PatientClassCode causes Error opening "Edit Billing"	Thick Client GUI	1.37
1786	Closed	Bug	Normal	Caret not attaching automatically after opening a draft.	Thick Client GUI	1.37
1782	Closed	Bug	Normal	Suspend button shortcut		1.37
1777	Closed	Bug	Normal	Management Report - Charge Audit Report	Mgt Reports	1.37
1773	Closed	Bug	Normal	Reporting - Ability to create macros from the template editor causes errors	Thick Client GUI	1.37

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1764	Closed	Bug	Normal	Management Report - 'Time to Schedule (Seconds)' shows inconsistent number rounding.	Mgt Reports	1.1.2.37.1334 7
1758	Closed	Bug	Normal	Saving template in Template Editor		1.37
1756	Closed	Bug	Normal	Management Report - Unread Exams	Mgt Reports	1.37
1750	Closed	Bug	Normal	Management Report - Transportation	Mgt Reports	1.37
1741	Closed	Bug	Normal	Assigned Radiologist needs to be on Activity List		1.37
1735	Closed	Bug	Normal	Studies were being signed off on that no active billing codes were assigned		1.37
1733	Closed	Bug	Normal	Reporting - Read-only in the reporting screen leaves QA and Problem active	Thin Client GUI	1.37
1726	Closed	Bug	Normal	Can Register ordered studies from patient folder	Thick Client GUI	1.2.37.13347
1725	Closed	Bug	Normal	View 'c_mgmt_sched_activity' is returning incorrect 'Hour' for 12:00 am	Mgt Reports	1.1.2.37.1334 7
1721	Closed	Bug	Normal	Enhancement to Transcription Dashboard	Mgt Reports	1.36
1716	Closed	Bug	Normal	Interactive Panel throws exception for non radiologist	Thick Client GUI	1.1.2.37.1330 4
1715	Closed	Bug	Normal	NewCrop a way to handle docs without a DEA number	Thick Client GUI	1.37
1713	Closed	Bug	Normal	Second Biopsy follow up returns error	Thick Client GUI	1.2.37.13255

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1711	Closed	Bug	Normal	Unique constraint in Tech window when Check box in patient history grid is selected and scan doc attached then try to start the exam	Thick Client GUI	1.2.37.13255
1709	Closed	Bug	Normal	Dictating in minimized mode, the volume meter is not working.	Thick Client GUI	1.2.37.13255
1701	Closed	Bug	Normal	unable to create outside read	Web Services/DB	1.37
1677	Closed	Bug	Normal	Tab text in template editor says macro.	Thick Client GUI	1.37
1664	Closed	Bug	Normal	Reporting - playback highlighter is red	Thick Client GUI	1.37
1659	Closed	Bug	Normal	Reporting - No space added when dictating measurements.	Thick Client GUI	1.37
1657	Closed	Bug	Normal	Setting playback speed on control is slow.	Thick Client GUI	1.37
1656	Closed	Bug	Normal	Report Editor - Ctrl+F default button is replace		1.37
1650	Closed	Bug	Normal	Exam Done(tech only) status has Register available in patient folder	Thick Client GUI	1.37
1629	Closed	Bug	Normal	Diagnostic Reports not rendering with double spacing.	Mgt Reports	B37
1628	Closed	Bug	Normal	Signature Approval Service	Web Services/DB	1.36
1617	Closed	Bug	Normal	Changing association of scan docs on Scheduling/Registration form doesn't "stick"	Thick Client GUI	1.37

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1611	Closed	Bug	Normal	View Template - Base Dropdowns visible and enabled	Thick Client GUI	1.37
1608	Closed	Bug	Normal	Referring column not added to the Dictated by Date and All Dictated work lists	Thick Client GUI	1.37
1606	Closed	Bug	Normal	Dictate window getting Error on GetData/DisplayData	Thick Client GUI	1.37
1602	Closed	Bug	Normal	RIS - Update installer does not install properly after "Multiple zip files error"	Thick Client GUI	1.36
1601	Closed	Bug	Normal	When set to 'floating' template browser disappears after you create / edit a template	Thick Client GUI	1.2.37.12837
1597	Closed	Bug	Normal	WPR workflow null exception when user opts not to create WPR study	Thick Client GUI	1.37
1576	Closed	Bug	Normal	Saving a new order can cause an empty "Patient Mode" list...		1.37
1570	Closed	Bug	Normal	Data consistency error with composite study	Thick Client GUI	1.37
1568	Closed	Bug	Normal	Installation Directory Name	Thick Client GUI	1.37
1536	Closed	Bug	Normal	Tech WL --> right click cancel a Checked In study = Object reference error	Thin Client GUI	1.2.37.12746
1503	Closed	Bug	Normal	Unknown referring match allows you to match an unknown referring to another unknown referring	Thick Client GUI	1.37

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1446	Closed	Bug	Normal	View Macro with description of Test Here - Error inserting selected normal with exception: The value for column 'name' in table 'l_macro' is DBNull	Thick Client GUI	1.37
1354	Closed	Bug	Normal	Management reports - when subreport for 'Report Turnaround' is open in the report viewer in RIS, and you click on a different management report, RIS throws an error.	Mgt Reports	1.1.36.11197
1336	Closed	Bug	Normal	on dated WL, adding or deleting a rView will change the display text for the "date"	Thick Client GUI	1.37
1319	Closed	Bug	Normal	View Edit button is not enabled for cancelled status	Thick Client GUI	1.35
1287	Closed	Bug	Normal	Carriers flagged as inactive cannt be found in search.	Admin Tools	1.36
1219	Closed	Bug	Normal	Unable to delete billing codes	Thick Client GUI	1.36
1214	Closed	Bug	Normal	From diagnose screen choosing Referring Extended from View Menu does not show pane	Thick Client GUI	1.36
1202	Closed	Bug	Normal	Registering studies early should pick current time	Thick Client GUI	1.36
1190	Closed	Bug	Normal	Error message appears twice	Thick Client GUI	1.36
1179	Closed	Bug	Normal	Walk-in	Thick Client GUI	1.36
1111	Closed	Bug	Normal	Billing exception for unknown carrier.	Thick Client GUI	1.35

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1084	Closed	Bug	Normal	External patients can be scheduled without having "System" MRN	Thick Client GUI	1.35
1070	Closed	Bug	Normal	Rescheduling an order that has a study cancelled will still show the cancelled study	Thick Client GUI	1.35
1062	Closed	Bug	Normal	Edit order with multiple procedures change one procedure and save	Thick Client GUI	1.35
1020	Closed	Bug	Normal	As SchedAdmin, add study to existing list of studies generates duplicate key	Thick Client GUI	1.35
993	Closed	Bug	Normal	When user opens "Appointment Book" from the Scheduling menu, the Left, right, and Refresh buttons (green) appear enabled but in fact are disabled until one of the dropdown menus are accessed.	Thick Client GUI	1.*
927	Closed	Bug	Normal	Issue with procedure picker type ahead when procedure is removed.	Thick Client GUI	1.34
1822	Closed	Bug	Low	Reporting - Speech Mike 3 barcoding will not work	Thick Client GUI	1.37
1781	Closed	Bug	Low	Submit/Transcribe button shortcuts		1.37
1765	Closed	Bug	Low	Blook worklist: items are not removed when MU entry marked inactive	Thick Client GUI	1.37
1742	Closed	Bug	Low	Activity WL needs "Assign to Rad" context menu	Thick Client GUI	1.37
1666	Closed	Bug	Low	Template Browser > View template prompted to save changes on close	Thick Client GUI	1.2.37.13040

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1665	Closed	Bug	Low	Blank help about message	Thick Client GUI	1.2.37.13040
1610	Closed	Bug	Low	If Patient Class for Tech Only is missing, scheduling from Orders to Schedule gives strange error.	Thick Client GUI	1.37
1603	Closed	Bug	Low	Action pending (Internal Patient) doesn't have suspended flag on work list removed	Thick Client GUI	1.37
1595	Closed	Bug	Low	Message boxes not focusing default button.	Thick Client GUI	1.37
1586	Closed	Bug	Low	Not Contains Worklist filtering does not work	Thick Client GUI	1.37
1553	Closed	Bug	Low	View menu option disabled on attachments in Patient edit	Thick Client GUI	1.37
1540	Closed	Bug	Low	GUI hung	Thick Client GUI	1.2.37.12724
1501	Closed	Bug	Low	Sync Labwork work list name	Thick Client GUI	1.37
1433	Closed	Bug	Low	Need to reduce flickering on save		1.37
1369	Closed	Bug	Low	Field name is needed for message prompt on missing field data	Thick Client GUI	1.36
1162	Closed	Bug	Low	Error from entering alpha numeric number in allergy field	Thick Client GUI	1.36
1128	Closed	Bug	Low	"All Dictated" worklist does not have option to "Transcribe"	Thin Client GUI	1.35.10273
1024	Closed	Bug	Low	Exception thrown when changing room in Confirmation window.	Thick Client GUI	1.35
975	Closed	Bug	Low	Billing exceptions WL Shows non-signed studies		1.*

748	Closed	Bug	Low	Patient Folder > nuggets can overlap with column to the right	Thick Client GUI	1.27
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7. Resolved Defects Build 38.001

Redmine #	Subject	Priority
2421	image_request completed date Error	Normal
2416	Reporting - Add user preference for Correction dialogue box	Normal
2415	scheduled_start_date column does not belong to c_client_worklist error when starting/completing an exam	Normal
2335	audit history does not display scrollbar when required	High
2332	When user schedules multiple studies, and cancels any of those studies, the billing codes are still appearing in IVT, and are marked as active	High
2326	Laterality check	High
2323	Resolve 7 vs 8 day retrieval for scheduling query	High
2321	Update priority of insurance	High
2320	Add IVT flag in Pending IVT status	High
2313	Set up Request reminder on Review Tab to be security driven	High
2300	Reporting - Commands button in user preferences remove	Normal
2291	ExamDoneTechOnly studies are not dropping off MWL after completion	Urgent
2290	Reporting - No sign button on Signed Pending Release	High
2289	Can save as order without procedure	Urgent
2246	Reporting - Interactive Dictation SpeechMike buttons not working when set to SubmitAudio	High
2231	MT Polling error in GetNextData	High
2183	Management Reports - Accession Milestone Times	Normal
2094	NPI Clearing out when clicking the grid for first person searched	Urgent
2024	Reporting - Macro Lookup Table taking a long time	High

8. Defects Resolved Build 38.002

Redmine #	Subject	Priority
2498	Close application while minimized, after logging in again the application does not appear	Normal
2246	Reporting - Interactive Dictation SpeechMike buttons not working when set to SubmitAduio	High

9. Known Limitations – Please see this section for important information

The following are Bugs Suggested Features and Support Issues found in build 1.38. This build is the current QE build and testing is ongoing. The list may increase in size. This document will not be updated or re-released.

I would like to elaborate on a few of the bugs listed known limitations in this list below:

Bug # 2209 – New work flow introduced that can be found in New Features section of this document. The previous work lists that contained studies marked for QA are no longer in the application. As a work around users may access the All Pending Dictation or the All Reports Drafted work lists and apply a filter on the QA column for results.

Bug # 2178 – Grids within the application can present a large Red X that will cover the area in which the grid was. This is usually the result of rapid mouse clicks in a grid or a cell within the grid. To avoid this issue do not rapidly click from one cell to the next within grids. Grids are found in most lookup tables, the Mange Policies window, the Insurance Policies data pane on the order tab, etc...

Bug # 2149 – Image Uploader was to be a new feature in Build 38. Late changes in the application had an adverse effect on this lookup table in which the images would not attach to the row properly. The will not affect the application and Image Uploader lookup table can be hidden from the Administration > Configure menu by not granting any UserGroups the permission for access string Config.LookupEditor.ImageUploader. The access string should be set to “none” by default in the AccessString lookup table.

#	Status	Priority	Subject
2209	New	High	All QA studies WL missing
2178	QE Rejected	High	RED X appearing on Insurance Policies grid

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2149	New	High	Lookup Editor - Image Uploader
2074	New	High	Patient distribution history - New button throws exception
1829	QE Rejected	High	Memory leak introduced in B38, needs to be fixed.
2215	New	Normal	Schedule details grid refresh issue
2214	New	Normal	Image request with scheduled study tab show (0) in registration window
2199	New	Normal	INTERNAL PATIENT - Suspend and continue throws exception
2197	New	Normal	User occasionally has to click previous / next multiple times to move to the prev / next date when on a date worklist
2195	New	Normal	When user has 4 or more procedures to schedule, the 'Details' window cuts off the top procedure in the top time slot
2194	New	Normal	Tech Only - External Report Workflow
2193	New	Normal	Image request not saving "Same as requested by"
2192	New	Normal	Image request on discontinued exams
2190	New	Normal	Error On Edit Image Request on Tech screen after status change
2185	New	Normal	eRx - Practice Zip Code Invalid characters
2182	New	Normal	Procedure picker row does not display procedure code
2176	New	Normal	Error on fast clicking schedule button
2171	New	Normal	Large historical patient notes will display double scroll bars
2170	New	Normal	Cache Problem when changing user Permissions

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2166	New	Normal	Inactive referring addresses cause issues later in work flow
2163	New	Normal	Studies in Edits Pending QA can be signed off
2162	New	Normal	Cannot create a scantype with a document level or order level
2159	New	Normal	QA Work flow - Reports verified are sent to Signed, Pending Release WL again
2155	New	Normal	Schedule Group drop down clears out when you hit save
2151	New	Normal	Audit log should show user friendly terminology
2150	New	Normal	Audit log displaying user who released report as UI_ReportSigned
2137	New	Normal	Reporting - Skip and continue external reports loop
2117	New	Normal	'Assigned radiologist is required due to referring's preference.
2099	New	Normal	can't clear selection of dataset when creating an auto macro
2097	New	Normal	duplicate field insertion when editing field in auto macro editor
2096	New	Normal	Reschedule on locked exam does not prompt that the booking is locked.
2094	New	Normal	NPI Clearing out when clicking the grid for first person searched
2091	New	Normal	Confirmation Review tab
2089	New	Normal	Referring Search
2087	New	Normal	Macro Editor - Modifying Macro's Default keeps inserting it
2086	New	Normal	Edit Address on user
2070	New	Normal	Internal Person Search - Can search with blank criteria causing exception

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2068	New	Normal	Perform exam throws error on complete
2067	New	Normal	Walk-in - New Patient - Issue with Patient Folder displaying patient name
2063	New	Normal	Cancelled appointment requires default fields
2054	New	Normal	New user cannot access WL
2039	New	Normal	Print preview of Dx Report within transcription window when multiple addendums
2018	New	Normal	Reporting - Resolve Problem Assign to other rad will leave previously assigned if not selected
1894	New	Normal	validation of dtpScheduleDate failed
1873	New	Normal	Object error in system config lookup
1842	New	Normal	Reporting - CdsInteractive Text Color not consistent
1830	New	Normal	Interactive dictation - Correct selected text removes space when inserted into the report
1819	New	Normal	Studies can be scheduled on any modality (despite config)
1804	In Progress	Normal	View / Edit a cancelled exam prompts for required fields on Documentation tab
1795	New	Normal	Saving Manage Policies window add new column to Insurance policy grid
1794	New	Normal	Reporting - New setting to run report verification when in QA workflow
2213	New	Low	Image request location list box
2210	New	Low	Payments range message
2201	New	Low	Interactive Panel label for Playback / Recording cut off
2196	New	Low	Check in date - cast error

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2187	New	Low	Scheduling - Testing Procedure Plan(Darcy duration 0 test)
2180	New	Low	When we wrap buttons in patient folder due to screen resolution, the wrong button wraps
2173	New	Low	Configure Save button
2169	New	Low	UserGroupPermission - Able to enter non validate access strings
2168	New	Low	Chair Workflow - Able to remove a chair from the lookup that have the chair assigned to a study
2142	New	Low	Reschedule permission does not make 'reschedule' appear in context menu
2106	New	Low	Lookup Editor - TemplateMacro Should have Double click functionality
2105	New	Low	Lookup Editor -TemplateMacro
2088	New	Low	Macro Editor - Tab Order needs to be reveiwed
2079	New	Low	Overbook Reason - No max length, causes exception
2071	New	Low	Window handle error from Dictate window
2069	New	Low	Add image request to Discontinued study
1991	New	Low	Locked RIS may not show in taskbar
1855	New	Low	Reporting - Exam details - Proceudre name my not display completely
1853	New	Low	QualityReviewDistribution is not listed alphabetically in General menu
1797	In Progress	Low	Perferred Language field is not marked as required when on the patient tab
1783	New	Low	Chair Workflow - Select a chair dialog I can type in the dropdown.
1744	New	Low	Preferred Rad Assignment window bottom border missing

