eRAD RIS

RELEASE ANNOUNCEMENT

Build 4.2024.121

UPDATED DECEMBER 6, 2024

TABLE OF CONTENTS

PUBLICATION HISTORY

Revision	Author	Description
December 6, 2024	Kevin Brooks, Michelle Mahabir / Hilary Saltmarsh	▪ Commercial release.

SUMMARY

Release Announcement

This release of ERAD RIS 4.2024.121 introduces a C-CDA regeneration and retry workflow and resolves CURES C-CDA generation and QRDA issues.

New Features

This release introduces the following features and enhancements:

Category	Redmine #	Subject	Description
C-CDA	35746 36038	C-CDA Regeneration and Retry Workflow	This enhancement to C-CDA extends the workflow allowing C-CDA documents to be regenerated and re-sent when previously failed to due missing NPI or Signing Radiologist.

Refer to the FEATURE DETAILS section below for configuration and usage information.

Resolved Issues

This release resolves the following issues:

Category	Redmine #	Subject
35799	C-CDA	Resolved C-CDA issue where addresses for facility, referring, and signing were not populating correctly in the exported document.
35780	CURES	This is a service-only change with no customer-facing functionality. Resolved CURES issue where QRDA Import Tool would time out when attempting to clear data.
35785	CURES	Resolved CURES issue where QRDA export that was causing timeout errors.

SORTED BY CATEGORY AND REDMINE

New Known Limitations

The following new Known Limitations were identified with this release:

- FEATURE #36228 – UPDATE NPI VALIDATION ALGORITHM
- FEATURE #36227 – C-CDA TRANSMIT FAILURE WORKFLOW
- BUG #36313 – ISSUE WHEN USING DROPDOWN ARROW ON VIEW BUTTON ON CLINICAL TAB
- BUG #36189 – MULTIPLE TABS DO NOT ALWAYS SHOW UP IMMEDIATELY IN C–CDA SCREEN

Refer to the FEATURE DETAILS section below for more information.

FEATURE DETAILS

C-CDA

Feature #35746, #36038 – C-CDA Regeneration and Retry Workflow

Summary

This enhancement to C-CDA extends the workflow to allow C-CDA documents to be regenerated and re-sent when previously failed due to missing NPI or Signing Radiologist.

Background

Previously, there was no workflow for retrying C-CDA transmission to Darena when failures occurred. To implement this new workflow, the existing Clinical Task worklist has been leveraged.

Feature Description

With this change, C-CDA transmission failures, including failures due to a missing NPI or signing radiologist, will now fall to the Clinical Task worklist to be triaged by the end user.

A nightly task will check for failures outside peak hours and create a `C-CDA generation failure due to NPI/Missing Person` task for the following reasons:

- No valid NPI found for signed studies
- No NPI found for signed_by_user_id
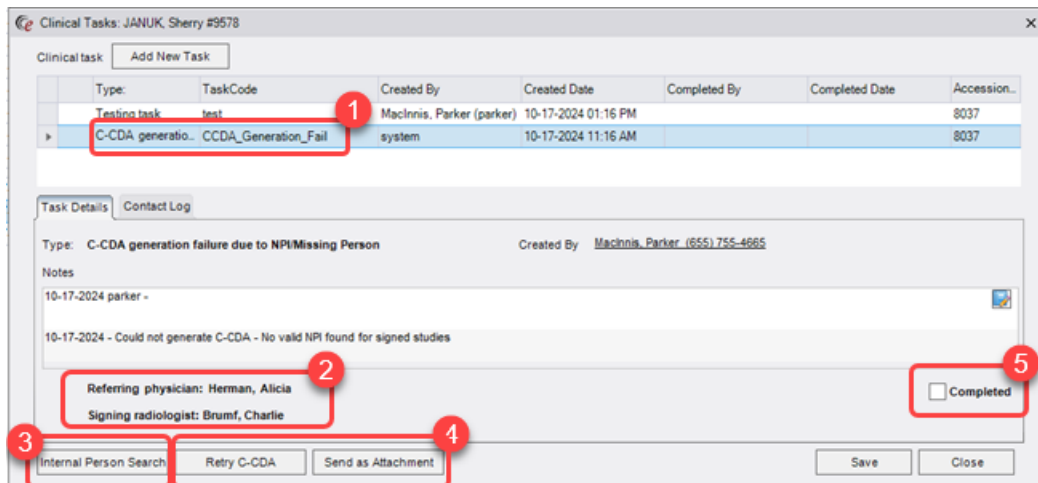- No person found for signed_by_user_id

Additionally, a task may be created due to a previous retry attempt:

- Failed retry send of C-CDA
- Failed upload of C-CDA image
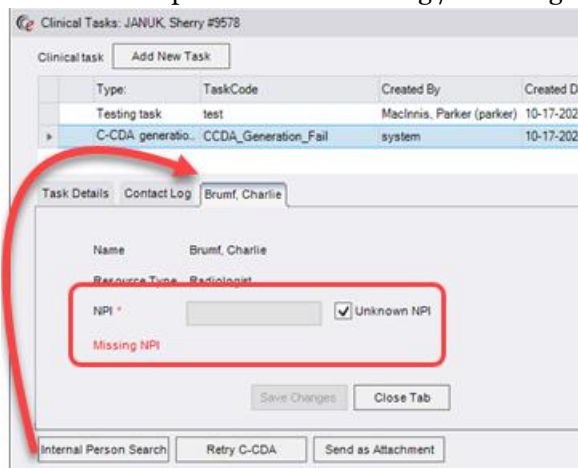
Workflow for correcting an invalid NPI

Failures will appear on the Clinical Task worklist. Multiple lines items may appear if there are multiple failures.

Double-clicking a line item will open the `Clinical Tasks` dialog and display all of the errors:

1. Select the task and review the details.
2. Note the Referring physician and Signing radiologist.

3. Search for the problematic Referring / Radiologist and correct the NPI if possible.

If the NPI issue was corrected,

4. Use the new `Retry C-CDA` button to resend. The task will automatically be marked as completed.

If the NPI issue cannot be corrected,

5. Use the new `Send as Attachment` button to send the C-CDA as a .pdf attachment. The task will automatically be marked as completed.

Workflow for addressing a failed send or upload

If the `Retry C-CDA` action has failed,

1. If the error is suspected to be due to a known system or network issue, attempt another `Retry C-CDA` action. The task will automatically be marked as completed.
2. If the retry continues to fail, use the `Send as Attachment` action. The task will automatically be marked as completed.

If the `Send as Attachment` action has failed,

1. If the error is suspected to be due to a known system or network issue, attempt another `Send as Attachment` action. The task will automatically be marked as completed.
2. If the retry continues to fail, complete a manual follow up according to local procedures and then manually mark the task as completed.

Known Limitations

The following significant limitations have been identified and should be communicated to affected users:

- FEATURE #36228 – UPDATE NPI VALIDATION ALGORITHM
  o **Issue**: Currently, NPI validation in RIS is limited to confirming it is the correct number of digits in length.
  o **Impact**: A C-CDA containing an NPI considered valid by RIS may be rejected when sending to Darena due to invalid NPI.
  o **Workaround**: Utilize the `Send as Attachment` functionality per FEATURE #35746.
- FEATURE #36227 – C-CDA TRANSMIT FAILURE WORKFLOW
  o **Issue**: There is no workflow for retrying a C-CDA sent from RIS to Darena that is rejected due to an unknown condition.
  o **Impact**: These failures are written to the `c_action_queue` with no other reporting or followup.
  o **Workaround**: Manual monitoring.
- BUG #36313 – ISSUE WHEN USING DROPDOWN ARROW ON VIEW BUTTON ON CLINICAL TAB
  o **Issue**: Currently, if the `View Current Exam` option is selected via the dropdown arrow, only the selected exam will be available for export in the C-CDA report.
  o **Impact**: This will cause all other exams in the checkbox list to be ignored.

- o **Workaround**: Avoid using the dropdown arrow on the `View` button; instead, select the option directly from the button.
- BUG #36189 – MULTIPLE TABS DO NOT ALWAYS SHOW UP IMMEDIATELY IN C-CDA SCREEN
  - o **Issue**: Currently, multiple tabs are not showing up immediately when selected in the View Clinical Document (C-CDA) screen when in View/Edit.
  - o **Impact**: Tabs may not show up immediately when selected from the procedure list.
  - o **Workaround**: Deselect and reselect the procedure from list.

> *Carefully review all Known Limitations identified here and in the release notes of all other versions being applied and communicate relevant items to all those affected.*

Service Team Upgrade Instructions

The Service Team must complete the following actions to deploy this feature:

Database

Changes to Database Jobs

1. An overnight job will need to be created to run the `c_WL2_CheckForFailedCCDAs` stored procedure outside of peak hours.
   - o This stored procedure is not run automatically like other worklist filling stored procedures.
   - o Sites must consider performance. This procedure queries for failed CCDA audit entries in the last 30 days. Sites with large data volumes will need to consider alternate solutions, such as an overnight job to copy relevant data from the audit table into a new custom table and create a variant of the stored procedure that queries that new table (with fewer rows) instead.

Configuration Instructions

System Administrators must complete the following actions to enable this feature and Service Team assistance is required for some actions.

RIS Client

Changes to **QueueSubscription** Lookup Table Settings

Add a queue subscription to the existing DARENA queue:

1. From the `l_queue_subscription` tab for `DARENA`, add the subscription row if one does not already exist:
   - 1.1. `queue_name` = `DARENA`
   - 1.2. `main_action` = `UI_UploadDocument`
   - 1.3. `Db_action` = `ExternalAccessUploadCCDADoc`
   - 1.4. `exclusion_flag` = `N`

⚠️ *Note that Darena Solutions, provider of MeldRX functionality, have updated the URLs used in the MeldRx production environment.*

Refer to ERAD RIS SERVICE BULLETIN 20241023 – UPDATED DARENA SOLUTIONS MELDRX URL CONFIGURATION for details.

VERSION DETAILS

Code Stream

The following source code branches have been merged into this release: