

	External Release Notes Abbott Rapid Diagnostics (ARDx) Informatics		Template No. D10036037 Rev AA
Document Type:	FORM	Governing Document:	D10046628

1. Introduction

Welcome to RALS™ version 8.5.3 build 23.44.0483. This document details the new features, improvements, and fixes found in the RALS 8.5.x version series. For information regarding the installation, features, functionality, and use of this product, please refer to the Resources section.

2. New Device Types and Enhancements

- Abbott i-STAT® added support for the Abbott i-STAT High Sensitivity Troponin I Cartridge (hs-TnI).
- Abbott Cholestech LDX® now supports firmware version 3.43, which includes comment lines following the Test Result value lines.
- Added support for the Werfen GEM® Premier™ 7000:
 - Blood Gas System Hemolysis Detection.
 - Bidirectional communication via direct connection with RALS or through GEMWeb® Plus⁵⁰⁰.

3. New Features and Enhancements

- "New" Saved Notes Feature Set
 - New Configuration Page: A new page under Configuration to manage saved review notes.
 - Role Permissions:
 - Saved Notes Manage: Granted to the POCC role by default.
 - Saved Notes Read: Granted to the POCC Assistant role by default.
 - Deletion Capability: Saved notes can now be deleted.
 - Note: Deleting a saved note does not affect existing records.

4. Customer Requested Enhancements

- Updated the import/migration functionality to support additional resources:
 - Evaluation Criteria Sets
 - Comment Sets w/Comments.
 - Flag Configurations
 - Patient Range Sets
 - System Settings - Email
- Package Updates
 - RALS now uses .NET 8.
 - RALS now uses Angular 17
 - RALS now uses Mirth 4.5.2
- Resource Specific Result Printing to improve the layout and styling of printed Result records.

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- Column Picker Multi-picking: Multiple columns can now be added at once when configuring a data table.
- Dashboard Widget for Multiple Views Counts: Added a new type of dashboard widget for displaying record counts of views.
- Scanning Workflow for Data Tables: Added a new option to data table columns to “show values while scrolling”.
- Password Reset via System Admin Workflow: Password reset requests will now be sent to the system admin for operator’s without defined e-mail addresses; requires e-mail be configured in RALS

5. System Requirements

- For existing customers remaining on an ARDx Informatics Provided Image (R70 platform) the following minimal requirements should be available to upgrade to this version of RALS:
 - C Drive must have at least 10 Gb of free space.
 - D Drive must have three times the size of the backup file.
- For customers implementing in a Customer Provided Environment the following minimal requirement should be available:
 - See [Specifications for Customer Provided Environments](#)

6. Supported Environments

- Supported Browsers:
 - Microsoft Edge
 - Google Chrome
 - Mozilla Firefox

7. Required Third Party Components

- No additional third-party components required. All components are installed on the RALS server as part of the product installation.

8. Bug Fixes

- Roche cobas® liat® System
 - If the device's location time zone isn't supported, RALS will now try to match it with an equivalent supported time zone. If no match is found, RALS will not send a time zone to the cobas liat device.
This change will remove communication failures caused by the device receiving time zones not in the devices supported list.
- Siemens epoc® Blood Analysis System
 - The Specimen Type parameter is now available for outbound configuration panels.



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- Abbott Glucose
 - A timing issue was corrected, removing the increase in session failures.
 - Improved device communication stability with RALS: resolved an issue introduced in 8.5.0 that can cause the MIG service to crash when receiving specific message sequences from Abbott Glucose meters (e.g., Precision Xceed Pro®, FreeStyle Precision Pro®). This fix enhances overall system reliability for customers using Abbott Glucose meters.
- i-STAT
 - The firm ware version of an i-STAT 1 device is now accurately reported in RALS, updating only when a new result with a later timestamp is received.
 - Added configurability to i-STAT/DE session logs to prevent performance issues resulting from long-running i-STAT/DE sessions.
 - Deactivated locations are now properly handled when uploading operator lists to a DE server. Operators belonging only to deactivated locations within an institution are not uploaded for that institution
- Data Managers (NovaNet, i-STAT DE Server, GEMweb® Plus 500)
 - Resolved an issue where large, complex operator lists could fail to upload to the data managers.

9. Resources

www.rals.com

10. Contact Information

If you have any questions regarding this information, contact Abbott Rapid Diagnostics Informatics at: rals.support@abbott.com or **877-627-7257**