1. Introduction

Welcome to RALS™ version 8.4.0 build 23.43.0337. This document details the new features, improvements, and fixes found in this product version. For information regarding the installation, features, functionality, and use of this product, please refer to the Resources section.

2. Device Type Enhancements

- Abbott i-STAT®
  - RALS now recognizes DE servers as devices which allows support for connecting to multiple DE servers. This change enables the ability to configure the time zone of each DE server and thus supporting multiple time zone functionality with customers connecting to i-STAT devices.

- Werfen GEM Hemochron™ 100
  - Added support for a "Rolling" Lockout Interval device configuration for QC & EQC.

- Haemonetics® TEG® 6s
  - Added support for the heparin neutralization cartridge with one new test type:
    - Citrated K,KH,RTH,FFH

- RALS Manual Tests Entry Updates
  - New Manual Tests:
    - Microscopic UA
    - Fentanyl
  - Rapid DAT Manual Test now includes Fentanyl parameter.

- ARDx Informatics CONNECT Universal Gateway
  - Added support for using CONNECT Universal Gateway for devices to communicate on the customer network. Allowing the devices to no longer require direct connection into the CONNECT Universal Gateway.
  - Feature requires the RALS system to be installed in an Abbott Provided Cloud Environment and CONNECT Gateway version 7.0.0 or higher.

3. New Features and Enhancements

- Test Systems Updates introduce new features to help distinguish and manage test systems more effectively. Here are the key updates:
  - New System Setting:
    - A new setting allows you to configure a RALS system as a "Test System."

- This setting visually distinguishes a test system from a non-test system, making it easier to identify.
  - o Database Management:
    - Test systems now allow for restoring a database over an existing populated database. This is useful for testing purposes where you might need to synchronize to production setting more efficiently.
  - o System Settings – Purge Values:
    - Test systems remove the minimum limits for purge values in system settings. This flexibility is beneficial for testing scenarios where you might need to adjust these values more freely.
  - o These updates are designed to enhance the functionality and management of test systems, making it easier to conduct tests and manage data within the test system environment.

- New Certification Groups feature introduces a server-wide functionality that allows operators to have one certification per device type and certification group combination:
  - o Opt-in Feature: This feature is optional and must be enabled. Once enabled, it cannot be disabled.
  - o Reports Feature: Enabling certification groups will disable the reports feature.
  - o Default Certification Group: Upon enabling, a default certification group is created and associated with the health system. All existing institutions and locations will inherit their certification groups from their parent entities.
  - o Association of Existing Data: All existing results, operator certifications, and device-type eQuiz quizzes are associated with the default certification group.
  - o Recertification Sets: Existing recertification sets must be assigned to certification groups.
  - o System-wide Access: Certification group access applies across the entire system.
  - o This feature helps streamline and organize certifications, making it easier to manage operator qualifications across operators who need certifications for a single device type with different criteria and certification dates for various locations.

4. **Customer Requested Enhancements**
   - The device type column on the operators data table now exports as two columns: Device Type and Certification Status
     - o The following data table columns also now export as two columns:
       - Tasks – Due Time
       - Download Points – Last Ping Time
       - Materials – Expiration Date

- - Devices – Download Time
        - Operators – Last Message
    - Implemented new grid-based configuration of widget size and dashboard layout.
    - Improved the layout and styling of printed Linearity records.
    - Added a new "Expand Menu" operator preference to configure the system to Pin the Navigation Menu
    - New System Admin w/Email field to configure an admin e-mail address intended to be a customer contact to the local system administrator. When configured, new contact options are added to login page and the help(?) menu.
    - Tooltips are now displayed when hovering data table cells containing lists.
    - RALS now supports multiple LMS Configurations with new pages under Data for management.

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

- SQL timeout error no longer occurs when exporting selected rows from an operators data table when certifications were not collapsed.
- Recertification service no longer fail when an eligible operator had run more than 32767 eligible results.

- Roche ACCU-CHEK® Inform II recertification sets configured to use the OTS feature that have OTS criteria changes, the associated operators will be provided the updated OTS option.
- Recertification no longer fails for exam dates in the year 0202.

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**