2025 Assist Tracking Updates

January 2025

- Admin Web Site – Interface Type Maintenance. Credential User, Credential password, API Json checkbox, and API Call String. Added the fields indicated to the interface type maintenance screen to provide for extended interface functionality for API Json based interfaces.

- Interface Utility – AIR Finder Json API utility. Created a robot utility to read from the Link Labs Airfinder web site to support Assist GPS tag tracking applications.

- Admin Web Site – Clinical Office Master. Geo Area Name and Geo zone name. Added fields for Geo Area and Geo zones to the maintenance screen to support Geo fencing of clinical offices.

- Admin Web Site – Distribution Auto Exception Report. Added Eventual Distribution Column. On the exceptions report, added a column for the doctor to which an accession was eventually distributed so that evaluation can be done regarding whether or not an excepting case was ever successfully distributed.

- Admin Web Site – Client Facility Maintenance. Geo Area Name and Geo Zone Name. Added fields for Geo Area and Geo zones to the maintenance screen to support Geo fencing of client facilities.

- Admin Web Site – Lockbox Maintenance. Geo Area name and Geo zone name. Added fields for Geo Area and Geo zones to the maintenance screen to support Geo fencing of lockboxes.

- Admin Web site – Route Detail Maintenance – Added clinical office and lockbox. Extended the route detail maintenance screen information to include clinical offices and lockboxes as seperate route stops. Previously, the only choice was client facilities.

- Admin web Site – Route Maintenance. Broke into seperate. The route maintenance screen previously held both the route header and the details associated with the route. The screen was a little too complicated and pull the route header out into a seperate screen.

- Admin Web Site – Equipment Type Maintenance – GPS Tag. Added a checkbox to the equipment type maintenance screen to allow for the specification of equipment type as a GPS tag.

- Admin Web Site – Equipment Maintenance. MAC Address. Added the MAC Address as a piece of information that can be entered for equipment. It allows for this information to be captured for all equipment.

- Admin Web Site – Accession Cross reference Type Maintenance. Created this screen to provide for maintenance over the types of accession cross references that might exist in Assist. This is a section of the data model where different accession numbers can be tied into a single accession for an LIS/Assist perspective.

- Interface Utility – Accession Cross Reference Utility. Culture Interface. Created an interface to pull culture accession numbers into the accession cross reference tables from the micropath LIS to associate culture numbers in MicroPath to an Assist accession number.

- Print Center – Vial/Culture Labels. Created a new label print screen to support the printing of Vial/Culture labels from the accession cross reference table. A scan of a culture number checks to the accession in the Accession cross reference table an prints a vial label for use on a molecular bead tube.

- Admin Web Site – MFG Employee Task Total Report. Created this report to provide a summary total view of manufacturing tasks scanned by employee with a case count by date or in total over a specified date range.

- Admin Web Site – MFG Workflow Status Maintenance – Case Hold Connection. Added a case hold drop down to the screen to allow for the connection of a manufacturing workflow status to a case hold.

- Admin Web Site – File Builder Maintenance. Created this screen to provide maintenance over file builder information. This data represents the "header" record for file building features inside Assist. This is used for flexible creation/management of drop files for cassette/slide printers and interfaces.

- Scoreboard – Block Count Clock. Created a new scoreboard that displays a production countdown clock with block totals for grossing, embedding and microtomy to show production data as the "production day" progresses toward day end.

- Closeout – Log Column data truncation. Modified the doctor closeout log to truncate the doctor name and order type to make sure there was no overlap on the columns for really long doctor names. Also added an active only filter where the log ties back to patient name and/or accession alias information.

- Admin Web Site – Distribution Location Maintenance. Holding Location. Added a check box to the screen to allow for the marking of a distribution location as a holding location rather than an actual distribution to a doctor or facility.

- Distribution – Object Already Scanned Logic. Holding Location warning exemption. Added logic to suppress the warning about a requestion/accession having already been distributed if the original distribution location was a "holding location".

- Distribution – View Case Documents Button. Added a button to the distribution screen to allow for the display items from the image list where the image type is set up for document retrieval (ex. Requisition, case summary, etc.).

- Distribution – Auto Open Case Documents. Added a check box to the screen to allow for the automatic opening of a case document record if the checkbox is checked.

- Distribution – Manifest view from/to and refresh button. To allow for more accurate refresh and retrieval of data from the manifest view, a refresh button was added along with from/to date criteria to filter the list.

- Distribution – Manifest close on print. Added a feature to allow for a manifest to moved to a closed status when it is printed. This is needed in sites that do not have a "natural" situation where a subsequent scan point will close a manifest.

- Accessioning – Write to transaction log on label print. Modified the module to write a transaction log entry for chain of custody when requisition and/or bottle labels are printed.

- Admin Web Site – Accession History Report. Cleaned up accession number fields. There were a couple of issues with the visuals on how the fields were printing. There were no dashes to separate the various components of the accession number.

- Admin Web Site – File Builder Fields Maintenance. Created this maintenance screen to allow for the maintenance of the fields that can be used in the file builder logic.

- Universal Cassette POU – Cassette checked off if it was scanned in error. Discovered that in the universal cassette POU screen that the routine that checks off cassettes if they are scanned was checking them off even if the cassette was scanned in error (ex. mismatch). Fixed this issue.

- Universal Cassette POU – Reload of cassette window in manual mode fix. The cassette window was not reloading correctly when in manual mode. Corrected this issue.

- Admin Web Site – File Builder Details Maintenance. Created this screen to allow for the maintenance of file builder details. This screen is where drop files are specified in terms of which fields should be included.

- Distribution – Notes moved on screen. Moved the notes up on the screen to not have it be overlaid by an error message.

- Distribution – Work Queue Button and pop up screen. Added the work queue button to the screen. When clicked, the work queue pop up screen is displayed with the details of work queue contents.

- Admin Web Site – Batch Export File Type. Version Number. Modified this maintenance screen to include the version number. This allows for the concept of different versions of file exports.

- Admin Web Site – Gender Maintenance. Gender Code. Added a gender code to the gender maintenance screen to support governmental reporting.

- Admin Web Site – Accession Prefix Summary Report. Cleaned up criteria and modified Slide count calculation to include protocol. Made cosmetic changes to this report with the criteria and also modified the slide count calculation to go beyond a simple slide calculation by including the protocol.

- Admin Web Site – Digital Slide Transmission Control. Created this screen to allow for the maintenance of transmission control records. This data is used to control the filtering of number wheels when working with digital slide exporting to AI platforms.

- Interface Utility – Digital Slide Batch – Remote site routing and transmission control. Added a robot job to allow for pulling slides that have been scanned out of the transaction log for use with communicating a digital slide batch. Added a transmission control to allow for routing at the number wheel level.

- Admin Web Site – Day End Report – Prior Day End, Auto Distributon Date, and Auto Distribution performed. Modified this report to include the new fields for prior day end, auto distribution date and a "Y/N" for whether or not auto distribution has been performed.

- Admin Web Site – Day End Maintenance – Auto DistributionDate and Auto Distribution performed. Modified the maintenance screen to allow for the reset of the auto distribution performed flag (and date) if needed to perform overrides.

- Admin Web Site – MFG Issues Maintenance – Requires Resolution. Added a checkbox to the screen to allow for a Manufacturing Issue to be marked as requiring the capture of resolution reasons.

- Digital Manager – MFG Issue Deletion – Use requires resolution logic. Added the logic to the digital manager module to prompt and require a resolution if the issue requires it when the issue is cleared (deleted).

- Admin Web Site – Race Ethnicity Maintenance. Added this screen to provide for the maintenance of an ethnicity list to support capture of patient demographics to support roll up for regulatory reporting.

- Admin Web Site – Race Maintenance. Added this screen to provide for the maintenance of a race list to support capture of patient demographics to support roll up for regulatory reporting.

- Admin Web Site – MFG Additional Task Maintenance. Font Color. Added the font color to this maintenance screen to allow for the display of tasks in different font colors.

- Hub – Number Wheel Utility. Created this screen within the Hub module. It provides the ability to duplicate number wheels from one year to the next and also provides the ability to renumber the sort order of all number wheels to allow facilities to better manage the display of data in the drop downs.

- Interface Utility – GPS Tag Interface. Multiple site downloads Added logic to this robot job to support multiple API keys for sites that might have multiple web site instances to represent individual labs.

February 2025

- Admin Web Site – Message Alert Maintenance. Alerts table name change. To more logically support specimen transfer alert tracking, the SQL table for "Alerts" were changed to "Message Alerts" for the scoreboard so that "Alerts" could be more appropriately utilized. The web maintenance screen was changed to support this new naming convention.

- Scoreboard – Message Board. Alerts table name change. Modified the scoreboard message board to change the table name for message board alerts as explained above.

- Admin Web Site – Alert Type Maintenance. Created this table to support the concept of alert types (ex. Temperature, Humidity, etc.) when tracking specimen transit.

- Universal Slide – Body Source Truncation Variable. Added a "maximum length" variable for body sources when printing them on a slide to better control visual presentation.

- Admin Web Site – Facility Location Maintenance. GEOZone and GEOArea. Added the GEO zone and area fields to the facility location maintenance so that GPS tracking technology can be applied to facility locations in addition to remote client sites.

- Universal Module – Slide POU. Tracking number written to transactionlog. Added logic to write slide tracking numbers to the transaction log when a slide is scanned that has the tracking number in the bar code.

- Scanner Module – Transaction log client number and tracking number placeholder. Added logic to write slide tracking numbers to the transaction log when a slide is scanned that has the tracking number in the bar code. When a "non slide" is scanned this involves making sure a placeholder is written instead of null.

- Accessioning Module – Transaction log client number and tracking number placeholder. Added logic to write slide tracking numbers to the transaction log when a slide is scanned that has the tracking number in the bar code. When a "non slide" is scanned this involves making sure a placeholder is written instead of null.

- Admin Web Site – Route Maintenance. Adhoc checkbox. Added a checkbox to the route maintenance screen to mark a route as an "Ad Hoc" route that is built on demand as opposed to regularly scheduled routes.

- Admin Web Site – Route Status Maintenance. Created this screen to allow for the maintenance of route status values such as open, in progress, completed, etc.

- Universal Cassette – Magazine on End. Added a variable to the drop file logic to put the magazine value on the end of the drop file string to support printing platforms that need the magazine at the end.

- Admin Web Site – Client Configuration Detail Report. Created this report to support the review of the detailed configuration data inside Assist. With the ability to export to excel it can also be used as a tool for saving the configuration settings before/after go live and migrations.

- Admin Web Site – Alert Maintenance. Created this screen to allow for the maintenance of alerts. These can be used to keep track of things such as temperature alerts while transporting specimens and things of that nature.

- Admin Web Site – Clinical Master Maintenance. Address and phone number fields. Added phone number and address fields to this maintenance screen to allow for more information to be captured for a clinical office site.

- Admin Web Site – Route Result Reason Maintenance. Created this screen to support the maintenance of route result reasons. These are values that are associated with route stops by a courier and can be used to indicate the reason why a stop was not made and/or was cancelled, etc. to be used for service level analysis by management of courier/client routes.

- Interface Utility – Auto Distribution Robot – Write to auto distribution doctor capacity log. Modified this robot job to capture the capacity values for a doctor at the beginning of the robot run so that line of sight exists on what the values were at run time.

- Admin Web Site – Auto Distribution Doctor Capacity Log. Created this report to provide visibility to the capacity values that were utilized by the auto distribution robot at the time of the robot running for post-run analysis.

- Admin Web Site – Product Type Maintenance. Product category. Added the product category to the product type maintenance screen to allow for more of a hierarchy to be established with the product structure inside Assist.

- Admin Web Site – Client Order Status. Active Flag Checkbox. The client order status screen did not have a checkbox to allow for the "inactivation" of a status value. Added this ability.

- Admin Web Site – Remote Site Type Maintenance. Created this screen to support the concept of different types of remote sites or entities to which specimens might be sent to or received from as part of the clinical office/courier feature set. Examples would be Clinical Office, Client site, lockbox, etc.

- Universal Slide – Drop File. Comments and leading zeros in human accession. Added the ability to include comments in the slide drop file and also to insert leading zeros into the human accession number if needed.

- Admin Web Site – Diagnosis Master. New fields for notes, cancer flag, and reference code. Added fields on the web site for notes, a cancer flag to be associated with a

diagnosis (for interfaces to cancer registries) and a reference code for reporting purposes to external entities.

- Admin Web Site – Diagnosis Status Maintenance. Created this screen to provide for the maintenance of diagnosis status values. These are used to mark a diagnosis as initial, follow up, etc.

- Admin Web Site – Client Type Maintenance. Manufacturing check box. Added a check box to this screen to allow for the designation of a client as a manufacturing client.

- Admin Web Site – MFG Preference Type Maintenance. Created this screen to provide for the maintenance of manufacturing preference types. These are the high level grouping of special instructions or preference types.

- Admin Web Site – Laboratory Maintenance. Address Fields. Added address fields to the laboratory maintenance screen to allow for the display of the street address of the laboratories set up in the Assist instance.

- Admin Web Site – Doctor Availability – Date Created Field. Added a date created field to the doctor availability screen to provide an audit trail of when data is created.

- Digital Cloud Module – Database/Server in Screen Header. Modified this module to include the database and server name in the header to provide clarity as to where the cloud client is attached.

- Admin Web Site – MFG Preference Value Maintenance. Created this screen to allow for the maintenance of the manufacturing preference values. These are the specific values that can be specified in special instructions or preferences for manufacturing clients.

- Hub – Patient demographics Capture. Race and Ethnicity. Added drop downs to the screen to allow for the capture of additional patient demographic information.

- Clinical Office – Outbound Route Building. Up/Down arrows. Added up/down arrows to the grid for outbound route building to change the order in which a route list is built.

- Admin Web Site – GPS Tag Tracking Report. Created this report to provide visibility to the GPS tag tracking data that is captured by the Assist GPS tag robot.

- Admin Web Site – Alert Tracking Report. Created this report to provide visibility to the alert data (ex. specimen exceeded temperatures) that can be captured by the Assist GPS tag robot.

- Print Center – Manufacturing Device Labels. Added a menu option for all of the manufacturing labels that used to be part of the seperate Assist medical device label printing routine. This included the additional of 10 new screens to print multiple label types as "sub menu" options.

- Admin Web Site – Product Series Options Maintenance. Created this screen to allow for the maintenance of product series values. These are typically encountered with medical devices such as orthodontic invisible aligners where series manufacturing is performed.

- Admin Web Site – Special Handling Maintenance – Print Desc field. Added this field to the screen to allow for a specific print option (typically abbreviated) of the special handling description.

March 2025

- Admin Web Site – MFG Case Pan Print Audit Log. Created this report to provide visibility to the audit trail of the print of case pan labels for sites that utilize the medical manufacturing tracking features of Assist.

- Admin Web Site – Interface Type Maintenance – Credentials Encrypted and Blank password logic. Added logic to this maintenance screen to encrypt the credentials in the database and on the screen so that the values cannot be seen when performing maintenance to enhance security.

- Interface Utility. Airfinder Interface. Use of credentials encrypted logic. Added logic to this utility to unencrypt credentials if they have been encrypted.

- Clinical Office. Logistics. GPS Tag Inventory Feature. Added a few of all of the tags in existence for a site so that a quick inventory can be determined of all of the active tags.

- Clinical Office. Outbound Route Builder. Route Print Listing. Added the ability to print the route listing for sites that build an "on demand" route based on the outbound scanning of objects.

- Print Center – Vial Labels – Extra Notation/Stored Comments Modified this vial label print screen to include stored comments and the ability to print a comment in addition to the extra notation field.

- Clinical Office – Receiving Tab. Route Stop Incomplete Reason Inclusion. Added the display of the route stop incomplete information so that as a courier does not complete a route stop, information can be captured to explain the reason for not stopping (ex. office closed).

- 3/2025 - Admin Web Site – Digital Pathology Queue Maintenance – Notes field was preventing data retrieval. Resolved an issue where the notes field was not fully qualified and the retrieval query was failing.

- Universal Cassette – Patient Verification. General TIQ speed captured and stored comments. Added a new general TIQ checkbox for speed entry on the patient verification screen and also added stored comments for quick entry into the comments field.

- Hub – Retrieve patient by accession. Added the ability to retrieve a patient and load all of the related tabs inside the hub module if an accession number (and number wheel) is known. Previously, the patient was the entry point for pulling up a specimen.

- Hub – Client Maintenance. New Fields. Client group, transit days, lead time, client cross reference and default laboratory. Added multiple new fields to the client maintenance screen inside the Hub module to support new data capture needs.

- Hub – Email Address List Maintenance. Created a pop up email address list maintenance screen from the client and client facility maintenance screen to provide for a one to many maintenance of email addresses.

- Hub – Client Facility. Email Address one to many feature and copy to clipboard. Added the "hamburger button" to call the email address list screen and also added a "C" button to copy the active email address to the clipboard to easily take the information over to email programs (ex. Outlook).

- Admin Web Site. Client Closure Reason maintenance. Created this maintenance screen to allow for the maintenance of client closure reasons as part of the clinical office/courier modules of Assist. This provides the ability to specify a reason why a courier stop was not completed successfully.

- Hub – Client Facility Maintenance. Facility Calendar. Added a facility calendar to the maintenance screen to provide the ability to specify normal business days as well

as ad hoc days when the client facility is closed (ex. vacations, holidays, etc.) so that shipments are not sent on days that the office is closed.

- Universal Slide – Max length/truncation of QC messages. Modified the point of use screen so that "long" QC messages are truncated on the screen with "…." logic. The QC button can then be pressed to see the full description.

- Universal Slide – Drop file T number getting left off on split cases after first slide. Corrected an issue with the slide drop file logic where the unique tracking number (T) was not getting generated after the first slide that was dropped.

- Admin Web Site – Business Unit Maintenance – Database Definition Drop down. Modified this maintenance screen to include a database definition specification. This allows for the retrieval of data from a different server for data that can be shared between business units (ex. Doctor add on orders).

- Hub – Client Manufacturing Preferences. Referring Physician Level. Modified the manufacturing preferences screen to allow for the specification of preferences at the referring physician level in addition to laboratory and client/facility to provide for more flexible preference capture.

- Admin Web Site – Case Hold Reason Maintenance. Release On Next Scan. Added a checkbox to the reason maintenance screen to allow for a reason to be marked for release on the next scan.

- Universal Cassette – Case Hold Information. Case Resolution placeholders. There are several variables in the case hold table that are used to capture hold resolution information. These variables were not getting defaulted and were being left as "null". Added placeholder empty values on table write.

- Scanner Engine – Release on Next scan logic. Added logic to the scanner module to make sure of the newly added "release on next scan" checkbox to automatically release case holds on scan where the reason was marked to allow for this level of case hold removal.

- Distribution – Case documentation missing check at req. Added logic to the distribution module to check for missing case documentation when the requisition is scanned. This can be used for ensuring that document management has an image of the requisition, a case summary exists, etc.

- Distribution – Case Documentation Error table write. Added a write to an error log audit trail table if case documentation checking is turned on and no case documentation is found. It provides a listing of how often it happens.

- Admin Web Site – Case Documentation Error Report. Created a report to provide visibility to the capture of the case documentation errors as outlined above.

- Admin Web Site – Accession Prefix Statistics Report – From/To Time Criteria. Added from/to time criteria to this report to improve reporting.

- Admin Web Site – Time Tracking Report. Created this report to provide visiblity to time tracking data for sites that make use of the Assist project timeclock and "to do" lists.

- Admin Web Site – Diagnosis Clinical Stage Maintenance. Created this screen to support cancer registry data capture needs inside the diagnosis area of the Hub module.

- Admin Web Site – Diagnosis Treatment Maintenance. Created this screen to support the capture of treatment plan data to be used in different regulatory reporting needs as part of the Hub module diagnosis area.

- Admin Web Site – Task List Status Maintenance. Created this screen to allow for the specification of task list status values as part of the task list tracking inside Assist.

- Admin Web Site – Client Calendar Report. Created this report to provide line of sight to client calendar (ex. schedules for open/closed) information.

- Admin Web Site – Alert Maintenance. New fields to support new alerts (Geo Zone, Geo area and stationary minutes). Added new fields to the alert maintenance screen to support the growing alert capture specifications.

- Admin Web Site – GPS Tag Alert Bypass. Created this screen to allow for the specification of specific tag bypass information. If tags are entered into this screen, they will not be analyzed for alert generation due to known deployments outside of alert parameters (i.e. eliminate false or known positives).

- Clinical Module. Alert Changes. Added material type and separated details from the header record. Adjusted the screen to provide for the display of the material type (ex. Slide, Block, Specimen Bottle, etc.) and also introduced an alert detail table to go with the header and move the accession information to the details.

- Admin Web Site – Order Type Laboratory Routing. Created this screen to support the routing of orders between labs in the same environment (ex. IHC staining platforms).

- Admin Web Site – Facility Maintenance. Technical Facility and Reading Room. Added checkboxes to the screen to allow for the indication of a facility as a

technical component facility and a reading room for routing/processing in different areas of Assist.

- Admin Web Site – Order Status Maintenance. Transfer Status and Pending Transfer Status. Added two new checkboxes to the status maintenance screen to allow for the marking of a status as a transfer or pending transfer.

- Admin Web Site – Laboratory Maintenance. Performing Code and Lab Identifier. Added two new fields to allow for the capture of performing code and lab identifier information.

- Admin Web Site – Business Unit Maintenance. Cross Reference. Added this field to the business unit maintenance screen to provide for the capture of cross reference information.

- Admin Web Site – Accession Prefix Maintenance. Cross Reference. Added a cross reference field to the maintenance screen to allow for the matching of an Assist number wheel to other systems as needed.

- Admin Web Site – Specimen Availability Status Maintenance. Created this screen to allow for the specification of specimen availability status values. These will be used as part of tracking the status of "leftover" specimen objects (ex. blocks) to track whether or not a specimen source is still viable for processing.

- Admin Web Site – Client Specialization Maintenance. Cross Reference. Added a cross reference value to the client specialization screen to allow for a cross reference between Assist and other systems to load specialization information.

- Admin Web Site – Territory Maintenance. Created this screen to allow for the creation of territory values. This is used as part of Assist HUB to match up sales territories or locations with other systems when interfaced.

- Admin Web Site – Client Group Maintenance. Cross Reference. Added a cross reference field to the client group maintenance screen to allow for client groups to be mapped via interface to other systems.

- Admin Web Site – Referring Physician Maintenance. License fields. Added license fields to the referring physician screen to allow for the capture of a license number, state, and expiration date. This data will long term need to be one to many but holds one value for the referring via this modification.

- Admin Web Site – Alert Maintenance. Battery Alert Checkbox. Added a checkbox to the alert maintenance screen to provide the ability to mark an alert as being a battery charge alert for items that are battery controlled such as GPS tags.

- Doctor Module. Application Close Logic on digital launch. Added logic to the doctor module to look into an application close table for applications that should be closed before launching a digital object (ex. slide). This can be used to close any open slide viewers before launching a new digital case to reduce the likelihood of a misdiagnosis.

- Admin Web Site – Application Close Maintenance. Created this screen to allow for the maintenance of applications that should/could be closed upon launch or transaction in a module of Assist. The module name and application name can be specified to allow for flexibility on how this feature can be used long term.

- Admin Web Site – Alert Tracking Report. New fields. Added multiple new fields to track the various specimen handling alerts that have been added.

- Clinical Office. GPS Tag Battery assignment Check. For sites that utilize GPS tracking with the clinical office module, added a battery check at the point that a tag is associated with a manifest to make sure that the battery on the tag has a charge before allowing for assignment.

- Admin Web Site – Laboratory Maintenance. Local Laboratory. Added a checkbox to the laboratory maintenance screen to mark a laboratory as a local lab for instances where work is being routed between laboratories.

- Admin Web Site – MFG Preference Type Maintenance. Type Code. Added a type code to the preference type maintenance screen to provide for advanced sortation and cross referencing.

- Storage Tracking – History Tab(s). Retrieve button hourglass. When the retrieve button was clicked there was no "wait" cursor which could be confusing as to whether or not the screen was working.

- Storage Tracking – History Retrieve. Added an "Active Only" choice to the criteria. Also modified the data parameters to look for batch OR accession scan range. Added additional logic to the retrieval routine to pull back data based on date more flexibly and added an active only check.

- Universal Cassette – Grossing Information. Wildcard leftover error. Added logic to the grossing information screen to prompt with an error if there are wildcard

characters in the grossing information (ex. []) and data is not provided to prevent incomplete data.

- Admin web Site – Image Type Maintenance. Schematic checkbox. Added a checkbox to the screen to allow for the marking of an image type as a schematic image.

- Universal Module – Slide POU. Bar Code truncation fix. There was an issue where the raw bar code field that gets captured in the transaction log was getting truncated in the code beyond what the database field definition supported. Fixed this truncation to match the database field length.

- Clinical Office. Receiving tab. Tag in grid/friendly tag. Added the GPS tag to the grid in the clinical office and gave the choice of showing the "raw" tag identifier from the vendor or the "friendly" name if they are cross referenced.

- Admin Web Site – Transaction Log Listing. Specimen Type Active Issue. There was an issue discovered where accessions might not show up in the transaction log if the specimen type tracking record was missing or not active. Modified to show the data regardless of the specimen type tracking status or presence.

- Universal Cassette – Clear measurements on bottle. For sites that capture measurements on the main screen, made a change to clear the measurements when a new bottle is scanned.

- Universal Cassette – Change Measurements display to L X H X W. Modified the measurements display throughout the module to be Length by Height by Width. There was inconsistency amongst the various screens.

- Universal Cassette – When manual mode is turned OFF, reset the start and quantity to 1. Modified the screen so that when manual mode is turned off that the start field and the quantity field are set back to 1 to be ready for a new case.

- Universal Cassette – Add Cassette On Manual On variable choice. Added the variable settings for this screen option to the configuration.

- Hub – Manufacturing Preferences Copy Features. Added a pop up screen to the manufacturing preferences section of Assist to allow for the copy of special instructions for duplication purposes.

April 2025

- Clinical Office – Manifest Utility – Clinical Office criteria and in drop down. Modified the criteria on the utility to include the clinical office and also added the office to the text in the drop down to make it easier to identify.

- Clinical Office – Outbound – Clinical Office Assignment Logic. Added logic to the clinical office module to allow for the filtering of the clinical office by the computer that launched the module.

- Clinical Office – Outbound. Option to disable bottle print button. Added a configuration option to allow for disabling the bottle print button. If a site does not print bottle labels out of the screen, this button was getting accidentally clicked instead of the manifest button.

- Doctor Module – QC Error Default. Modified the doctor module to allow for a default error message to be "pre-selected" on the quality tab.

- Hub – Client Multiple address and phone logic. Added logic to the client maintenance section of the screen to support the capture of multiple street addresses and phone numbers for a client to match the functionality for the client facilities.

- Admin Web Site – Clinical Office Assignment. Created this maintenance screen to allow for the mapping of clinical offices to computers and the ability to disable the office drop down. This is useful for sites with multiple clinical offices to be able to default.

- Quality Module – Login Screen standard buttons. Modified the screen to include the standard picture buttons for the login screen.

- Quality Module – Quality Information Tab. Moved to full accession, added error type, and made error description wider. Cleaned up the detailed grid to consolidate the accession into one column, added the error type, and increased the width of the description.

- Quality Module – Quality Information Tab. Added error type and error message to the criteria. Added both the error type and the message as criteria to allow for improved filtering of the QA information screen.

- Quality Module – Culpable Tab. Added error type/error drop downs to the culpable assignment. Added error type to the remove culpability feature. Added the error type and error message as criteria for both the culpability assignment and removal utilities.

- Admin Web Site – MFG Task Maintenance. Average Task Time and Auto Close Time. Added fields for the capture of average task time and auto close time to the manufacturing task maintenance screen. This will be used in the future.

- Admin Web Site – Clinical Object Type Maintenance. Created this screen to allow for the specification of the different types of objects (ex. cassette, bottle, slide) that can be transferred between labs or offices and labs within the clinical office module.

- Clinical Office – Outbound Module. Timeout Logic. Added timeout logic to the clinical office module to match other Assist modules.

- Clinical Office – Inbound Module. Timeout Logic. Added timeout logic to the clinical office module to match other Assist modules.

- Admin Web Site – Product Maintenance. MFGAdditionalCode drop down. Added a drop down list to the product maintenance screen to allow for the specification of manufacturing additional codes as a default value for a product.

- Clinical Office – Outbound Module. Object Type drop down and scan handling. Added an object type drop down to allow for the tracking and adjusted parsing for various types of outbound objects from one lab to another or office into a lab. This allows for better bar code parsing and capture.

- Clinical Office – Outbound Module. Change grid column sizes and fixed manifest column. Changed the width of multiple columns to make them more visually appealing and corrected the manifest number column to actually show the manifest number instead of the date.

- Doctor Module – QC Code Capture Hot Key (Alt X). Added the ability to have a fast key save the default QC code to save some click events.

- Admin Web Site – Error Object Maintenance – Created this screen to support the capture of the object on which an error is made (ex. Req, bottle, slide, etc.) to increase the specificity of the error tracking inside Assist.

- Clinical Office – Inbound Module – Error message if scanned object is not in the database OR if it is not in an open status.

- Universal Cassette. QC Message Interface. Made sure the button turns red after creating a QC message. Also added a "close on save" feature.

- Universal Cassette. QC Message Features. Added the error object drop down and cleaned up the logic for the fields and how to default the object (ex. Full Accession, Specimen, etc.).

- Interface Utility – 3Pillars Portal Interface. Added an interface section to handle the inbound processing of data from a 3Pillars web portal into the Assist manufacturing module.

- Universal Slide – Work Queue logic. Added work queue logic to the universal slide to allow for the verification process of whether or not an option is valid for processing.

- Admin Web Site – LIS Interface Audit Log Report – Interface Type Inclusion. Added the interface type to this report to allow for more details reporting.

- Distribution – Activation Error close screen. Modified this module so that it automatically closes after warning of the activation error rather than attempting to load and show the screen incorrectly drawn.

- Universal Cassette – Sketch Pad Pen Width. The pen width was showing on the screen but was not getting actually applied to the pen width so that drawing against this width was wrong until the update button was pressed.

- Universal Cassette – Case Hold Delete. Bug in SQL statement. There was an issue causing the case hold delete to not work. Corrected this issue.

- Universal Cassette – Pieces Modification Screen. Delete button. Added a delete button to the multiple piece utility screen to allow for a complete delete rather than just allowing for updates.

- Universal Cassette – Multi Piece Screen. Numeric sort order. Modified this screen to show the data sort numerically for the part information rather than an alpha sort.

- Admin Web Site – Image Type Maintenance. Default UNC Path. Added a default UNC path to this screen to allow for defaults by image type rather than having to pull the information from the configuration.

- Closeout – Doctor Closeout. Open orders add on filter. Added a filter to allow for the pull of only add on orders to get rid of preloaded H&E orders for sites that pass all slides from an LIS into Assist.

- Universal Cassette – Case Components – Body Source Inclusion. Included the body source from the LIS Interface and/or specimen type tracking table into the case "tree" in the history area of the screen.

- Admin Web Site – Clinical Submission Type Maintenance. Created this screen as part of the clinical office module to allow for the specification of the types of material submissions that an office or another laboratory might submit.

- Admin web Site – Courier Type Maintenance. Require Shipment Number. Added a checkbox to this maintenance screen to mark courier types as requiring a shipment number.

- Clinical Office – Outbound Manifest. Rearranged the manifest and provided more options for display/suppression.

- Clinical Office – Outbound Manifest – Line cut off issue resolved. There was a problem where lines on the printed manifest could get cut off and not print correctly. This was resolved.

- Clinical Office – Outbound Active Data – Included Patient ID/MRN in the grid and added a row count to the top. Provided the MRN as a choice for patient identifier inside the details area of the screen.

- Admin Web Site – Manifest Status Maintenance – No Changes Allowed. Added a checkbox to the screen to allow for a "locked" value to be assigned to manifest when it reaches a specific status.

- Clinical Office – Outbound – No changes allowed logic to lock manifest. Modified the module to consider the "locked" status that was added to prevent changes to manifest data once it has moved into a status with this lock set.

- Admin Web Site – Equipment Interface Maintenance. Database Interface checkbox and name. Added a checkbox to note a database direct write interface along with a database name.

May 2025

- Hub – Quick Entry – MRN Inclusion. Modified the quick entry screen to include the medical record number.

- Hub – Quick Entry – Individual Field opt in checkboxes. Added checkboxes to the screen to allow for the enable/disable of the individual fields on the screen.

- Manufacturing Quick Entry – Modified this module to work over a pure Assist data model with no connections to an external LIS.

- Hub – Quick Entry – Bar Code Parsing from USB. Added an open field at the top of the quick entry screen inside the Hub module to allow for the scanning of a bar code for parsing to load the accession and specimen to the screen.

- Universal Cassette – Work Queue – Delete button. Added a delete button the work queue to allow for the removal of records that were entered in error.

- Universal Cassette – Work Queue – Wait cursor on delete and retrieve and visible row counts. Added the traditional hour glass wait cursor to make it more obvious that data was loading to the screen.

- Universal Cassette – Bottle already scanned warning (based on work queue). This was added in an attempt to reduce rescanned bottles and improve error tracking.

- Clinical Office – Courier enforce tracking number. Added the ability to enforce the need to specify a tracking number if a courier (ex. Fedex) is chosen in the drop down and is indicated as requiring a tracking number.

- Admin Web Site – Clinical Object Type Maintenance – Accession Start End, Accession Length, and Suffix Inside Part, Object Identifier Start end. Added multiple fields to the clinical object type maintenance screen to allow for more advanced bar code parsing inside the clinical office module.

- Clinical Office – Outbound – Shipment/In Transit button. Added a button the clinical to move a manifest immediately into "in transit" mode and lock the manifest from additional specimen or object assignment.

- Clinical Office – Outbound – Pathway bar code scanning support. Added scanning support for the Pathway LIS bar code formats.

- Admin web Site – Accession Prefix Maintenance. Clinical Number Wheel Choice. Added a checkbox to mark an accession prefix entry as being eligible for display in the clinical office module to allow for the reduction of data on the screen.

- Control Data – MinimumPasswordLength insertion. Added a value to the control data table to allow for the support of site wide minimum password length inside Assist.

- Admin Web Site – Security Maintenance. Minimum password length check. Modified the web site to enforce the minimum password length logic when a user is created or a password is changed via the security screen.

- Admin Web Site – Password Change – Minimum password length enforcement. Added logic to support the minimum password rules on the change password screen on the web site that is available to employees.

- Universal Slide Queue – Patient First/Last was not an option. The slide print from the queue allowed for the printing of the full patient name, but did not support last name and first name on different lines. Added this ability.

- Admin Web Site – Specimen Type Maintenance – ICD Code. Added a drop down to allow for the assignment of an ICD code to a specimen type.

- Clinical Office – Inbound – Manual click to receive remove error check for tracking number. There was an error check regarding the absence of a tracking number when manually receiving an inbound specimen. This prevented the use of the manual feature when there was no tracking number. Removed this check.

- Clinical Office – Inbound – Manual click to receive manifest auto closure. Added the ability for the manual receipt of objects to check if the last object on a manifest and to close the manifest itself.

- Admin Web Site – Clinical Object Type Maintenance. Truncate After. Added a numeric value to allow for the truncation of data in the bar code after a specified number of characters.

- Clinical Office – Outbound – Truncate after logic. Added the logic to the clinical office module to make use of the truncate after value that was added to the maintenance screen.

- Hub – Patient Search Max rows and order clause by patient name. Added a max rows throttle to the search screen to ensure that the entire database cannot be retrieved and changed to sort order to be by patient name.

- Hub – Insurance Maintenance – New Fields. Added multiple new fields to the insurance maintenance pop up screen to better reflect the data needed to support insurance application to specimens.

- Hub – Insurance Details Screen – Show Carrier address and contact information. Added the ability to show address and contact information for an insurance carrier on the screen.

- Admin Web Site – Insurance Carrier Maintenance – Added Fax, email and contact name fields. Added fax numbers, email address, and contract name to the insurance carrier maintenance screen to allow for the capture of this information.

- Admin Web Site – CPT Code Library Maintenance. Code Revision Drop Down. Added a code revision drop down to the screen to allow for the assignment of the specific revision of a code.

- Admin Web Site – ICD Code Library Maintenance – Created this screen to support the storage of the official ICD Code Library for a site.

- Admin Web Site – ICD Code Category Maintenance. Created this screen to support the assignment and filtering of ICD codes by a category for filtering purposes and to make the overall library more visually manageable.

- Admin Web Site – Laboratory Number Wheel Maintenance. Pathology Business Component drop down. Added this drop down box to the number wheel maintenance screen to allow for the assignment of a business component to a number wheel (ex. Professional, Technical, Global, etc.)

- Hub – Specimen Entry. Business Component Drop down. Added the business component choice to the specimen entry screen. It can default based on the number wheel selection and can be enabled or disabled by configuration.

- Universal Slide – Warehouse Integration Corrections. Prefix was not showing on the inquiry and the capacity for the drawer was getting truncated to now show the true capacity number.

- Hub – Quick Entry. Clear Header as a separate choice. To better support quick entry, provided different options to clear the header fields and the detail fields. This allows for the accession level information to remain while detail data is changed.

- Hub – Quick Entry - Patient Demographics skip if duplicate patient back to back. Added logic to not add a new patient demographics record via quick entry if the patient level information does not change.

- Hub – Quick Entry – Patient Name, Patient ID, and MRN duplicate check within timeframe. Within a specified timeframe from the configuration, looked at three data elements to assist in preventing duplicate patient creation.

- Admin Web Site – Diagnosis Master – Add ICD Code. Added the ICD code drop down to this maintenance screen to allow for the association of an ICD code with a diagnosis.

- Admin Web Site – Medical service Code Maintenance. ICD Code Dropdown. Modified the medical service code maintenance screen to allow for the assignment of an ICD code to a medical service code.

- Admin Web Site – Medical Billing Code Maintenance – CPT Code Library Dropdown. Modified the medical billing code maintenance screen to allow for the assignment of a CPT code to a medical billing code.

- Admin Web Site – Material Type Maintenance – Material Handling Drop Down. Added the material handling drop down list to the material type screen to allow for the assignment of handling to material types.

- Admin Web Site – Report Library Category Maintenance. Created this screen to provide for the categorization of reports. This provides the ability to filter and not flood a report driver screen with all reports (ex. Lab Scanning, Billing, Inventory, etc.).

- Admin Web Site – Material Handling Maintenance. Created this screen to provide the ability to begin tracking material handling. This represents any specific handling associated with materials (ex. Frozen, refrigerated, room temperature, etc.).

- Admin Web Site – Report Library Maintenance. Created this screen to allow for the maintenance of all of the "canned" formatted reports that can be delivered via a report driver/viewer and are different from the web reports.

- Admin Web Site – Batch File Export Type Maintenance – Report Library Drop down. Added a formatted report drop down to be associated with a batch file export routine. This allows for an automated way of producing a file and printing a manifest type of report with a single transaction.

- Universal Cassette – Load Accession notes into specimen notes area if both exist. Add the ability to truncate the accession notes if they are too big to fit on the screen.

- Hub – Search Screen – Added Client to the criteria. Added the client drop down to the search screen in Hub to provide for the filtering of all patients for a client.

- Hub – Search Screen – Added specimen and manufacturing order counts to the search results. Changed the font to white against green background to help visually. Made a change to add summary level information to the search results to assist the employee in making the correct selection.

- Admin Web Site – Medical Report Status Maintenance. Created this screen to provide the ability to track the status of a medical report. This allows for the tracking of status values such as "Generated", "Transmitted", etc.

- Admin Web Site – Client Maintenance – Default Medical Report. Added a drop down value to allow for a medical report format to be specified at the client level to provide for custom report ability.

- Hub – Client maintenance – Default Medical Report. Modified the Hub client maintenance screen to allow the same medical report specificity as on the web site.

- Admin Web Site – Referring Physician Maintenance – Default medical report. Added a drop down value to allow for a medical report format to be specified at the referring physician level to provide for custom report ability.

- Admin Web Site – Interface Type Maintenance – Billing Interface Checkbox. Added a checkbox to this maintenance screen to allow for the indication that an interface type is for billing.

- Admin Web Site – Medical Code Maintenance – Diagnosis Drop down. Added a drop down box for the diagnosis master file to allow for the association of a medical code with a diagnosis. This will make coding easier and tying into reporting registries.

- Admin Web Site – Billing Category Maintenance. Created this screen to provide the ability to categorize billing codes.

- Universal Cassette – Communication Log – Red button background. The communication log button had no logic to turn red when there were communication log values.

- Scanner – Accession/Specimen Notes Audible alarm. There was no audible beep tone in the main scanner engine when an accession or specimen note was encountered.

- Universal Slide – Specimen notes also checks for accession note. Modified this module to look for an accession note after checking for a specific specimen note.

- Admin Web Site – Diagnosis Registry Maintenance. Created this screen to allow for the maintenance of the different diagnosis reporting registries (ex. CDC, State cancer registries).

- Admin Web Site – Product Group Maintenance. Created this screen to allow for the maintenance of product groups to add an additional level of grouping or categorization of products. Typically to be used in finished goods manufacturing.

- Admin Web Site – Product Maintenance – Product Group, Unit Price, and Invoice Description. Added these fields to the product maintenance screen to provide the ability to track additional information.

June 2025

- Interface Utility – Client Facility Header Address Load from the address master. For sites that make use of the full address list historically, there are now address fields at the client header level. Created this robot to set the default header records to the address list data to keep data clean.

- Closeout – Doctor Order Closeout. Communication Log light blue indicator and tree on pop up screen. Added logic to the grid load to show light blue communication log column on the grid to indicate that both notes and communication log entries exist. Then added the communication log to the notes pop up.

- Scanner – Added Communication log button and functionality. Put the communications log button and the ability to show the tree and data entry.

- Distribution – Added Communication log button and functionality. Added Communication log button and functionality. Put the communications log button and the ability to show the tree and data entry.

- Admin Web Site – Manifest Type Maintenance. Gross Log flag. Added a check box to the screen to allow for the specification of the manifest type as a grossing log.

- Hub – Auto Open Quick Entry Choice. Added a configuration flag to Hub so that it can launch with the quick entry screen as the default instead of the full demographics screen for sites that want to use quick entry.

- Hub – Grossing Log Screen. Created this screen to allow for the selection of grossing records that are part of the grossing log.

- Hub - Preference Data Type Maintenance. Added a "hamburger" button to the preferences screen to allow for a pop up screen to perform type maintenance instead of having to go to the web site.

- Hub – Preference Data Value Maintenance. Added a "hamburger" button to the preferences screen to allow for a pop up screen to perform value maintenance instead of having to go to the web site.

- Universal Cassette – Drop file logic for both alias accession and native accession. Previously on drop file cassette printing, there was no logic to include BOTH the native LIS Accession and an alias accession.

- Manual Task entry Module – Fallover logic to patient MFG Order table. Modified the manual task scan screen to check for patient name in the manufacturing table if no record was found in the LIS interface table.

- Admin Web Site – System Notifications Type Maintenance. System Code and System Value. Added these two values to the system notifications tab to allow for improved data in the interfaces.

- Admin Web Site – MFG Task Maintenance – System Notifications Type Drop down. Added this drop down to the screen to allow for the indication that a task scan complete should generate a system notifications entry.

- Digital Manager – About box server name and database name cleanup. Cleaned up the about box to resolve missing information.

- MFG QA Out – MFG Case Products active only. Inactive case products were showing on this screen. Cleaned it to only be active.

- MFG QA Out – Write System Notifications. Modified this screen to write to the system notifications table when a task scan is performed that has a notification type assigned.

- Interface Utility – 3P Interface. Write System Notifications. Modified this interface to send notifications to the cloud for communications with customer portal software.

- Admin Web Site – Equipment Interface Maintenance. Database server. Added a server name to the screen to allow for equipment interface database writes into an Assist "holding" table rather than communicating directly to an equipment platform.

- Admin Web Site – Equipment Type Maintenance – Platform Number. Added a platform number to the equipment type to specifically drive staining scenarios where there are multiple staining vendor platforms in place.

- Stain Queue – Database table write instead of staining platforms. Modified the stain queue to allow for the writing of a stain record to an Assist database table instead of routing to individual staining platforms. This was done to accommodate sites that have complicated staining interfaces in place that do not need to change but need to use the Assist stain queue to drive the process.

- Admin Web Site – Feedback Action Maintenance. Created this screen to allow for the maintenance of feedback actions which are part of the Assist feedback/RMA functional area.

- Admin Web Site – Registration Type Maintenance. Created this screen to allow for the maintenance of registration types. These represent registrations that a lab might need to managed (ex. CLIA, CAP).

- Admin Web Site – Laboratory Registrations Maintenance. Created this screen to allow for the capture and maintenance of the laboratory registration information.

- Admin Web Site – MFG Case Option Suppression Maintenance. Created this screen to allow for the suppression of manufacturing case options for sites that track case options from interfaces.

- Hub – MFG Case Options Tab – Option Suppression Logic. Added the logic to HUB to suppress case options when needed.

- Interface Utility – MFG Case Option Suppression Logic. Modified the interface utility to consider the case option suppression table when downloading case options.

- Distribution – Accession Notes – Redesigned the screen to make it more visually appealing.

- Distribution – Specimen Notes – Modified the specimen notes logic to allow for an opt in/out of checking at the specimen/part level (from configuration) and make screen buttons match the rest of the module.

- Universal Slide – Rx Button. Added an Rx button to the screen so that documentation can be seen after scanning if needed. The button turns green if a document exists.

- Scanner Screen – Rx Button. Added an Rx button to the screen so that documentation can be seen after scanning if needed. The button turns green if a document exists.

- Distribution – Rx Button. Added an Rx button to the screen so that documentation can be seen after scanning if needed. The button turns green if a document exists.

- Admin Web Site – Feedback Category maintenance. Created this screen to allow for the maintenance of feedback categories. These are part of the Assist client feedback system and are used to categorize feedback log transactions.

- Admin Web Site – Feedback Material Type Maintenance. Created this screen to allow for the maintenance of feedback material types. These are part of the Assist client feedback system and are used to indicate the material associated with the customer feedback transactions.

- Admin Web Site – Feedback Delete Reasons Maintenance. Created this screen to allow for the maintenance of feedback delete reasons. These are part of the Assist client feedback system and will prompt the employee for a reason if a delete transaction is performed on a feedback record.

- Admin Web Site – Work Queue Listing – New fields. ProtocolValue, Slide Number, bar code value, comments. Added the before mentioned new fields to the work queue listing report.

- Sample Testing – Outbound Manifest – Client and Facility widen drop downs. Increased the width of the drop down boxes for client and facility to provide all of the associated data.

- Sample Testing – Outbound Manifest – Moved from address to configuration. The "FROM" address was getting lost at times. Added this value to the actual configuration of the module.

- Sample Testing – Outbound Manifest – Added client code for client lookup in the drop down. Added a client code field next to the client drop down. When a code is keyed and the field is exited, the drop down box positions to the correct client.

- Sample Testing – Outbound Manifest – Accession Length maximum. Modified this module to look for an accession maximum length field.

- Admin Web Site – Employee Storage Area Filter. Created this screen to allow for maintenance of the marriage between employees and storage areas. This can be used to add default logic to ensure an employee is not moving items into a storage area they should not be using.

- Closeout – Doctor Order Closeout – Option to join at bottle level to LIS Interface. Discovered an issue where there are duplicate items showing up on the manifest when there was not a join back to the LIS Interface table.

- Clinical Office – Outbound Manifest Print. To support internal transfers, added logic for the specimen and part identifier to print on the tracking number area if it is blank.

- Clinical Office – Outbound – Manifest Utility. Close child objects logic. Added logic to the manifest utility to allow for the closing of all child objects if the manifest is closed.

- Clinical Office – Inbound – Manifest Utility. Close child objects logic. Close child objects logic. Added logic to the manifest utility to allow for the closing of all child objects if the manifest is closed.

- Clinical Office – Inbound/Outbound – Clear screen button for header and details. Added buttons to clear the data from the header section of the screen and also for the detail section.

- Hub – Grossing Log – Employee drop down filter for grossing employee group. Added logic to the grossing log to allow for the filtering of employees to only show employees that actually gross assuming they have been added to an employee group for grossers.

- Hub – Demographics - Assist Native and interface type. Added logic to specify an Assist native flag if data is entered directly into Assist along with an interface type to show if it came from an alternative source.

- Admin Web Site – Interface Type Maintenance. Starting and Ending Accession. Modified this maintenance screen to include fields for a starting and an ending accession number. This supports interfaces where record numbers are retrieved.

- Admin Web Site – Laboratory Maintenance. Shipment Days. Modified this maintenance screen to allow for the specification of default shipment days at the laboratory level to assist in calculating lead time with a default shipping day for a facility.

- Hub – Grossing Log – Details Modification Pop up. Modified the grossing log screen to allow for a double click display of the details to allow for changes/overrides.

- Hub – Grossing Log – Gross Details vs. Grossing Log view choice. Modified the grossing log screen to provide for the display of grossing details directly from grossing scan transactions versus records that have been submitted to the grossing lob.

- Hub – Grossing Log – Manifest History tab. Added a tab to the grossing log to allow for a historical view of the manifests associated with grossing log data.

- Admin Web Site – Feedback Source Maintenance. Created this screen to allow for the maintenance of feedback sources as part of the Assist feedback tracking feature set. These sources represent things such as email, phone call, etc.

- Admin Web Site – Holiday Calendar Maintenance. Created this maintenance screen to allow for the maintenance of a holiday calendar that lists all of the holidays inside the calendar year.

- Admin Web Site – MFG Task Maintenance – Task Criteria. Modified the selection criteria at the top of the screen to allow for filtering by task number.

- Admin Web Site – Laboratory Calendar Maintenance. Created this screen to allow for the assignment of holidays to a laboratory to indicate dates that the lab will not be open.

- Admin Web Site – Interface Accession History Report. Created this report to provide visibility to a detailed list of accessions that have been downloaded through interfaces with the date/time, machine that loaded them and the interface.

- Admin Web Site – MFG Case Status Maintenance – Open, Pending, Closed Check boxes. There were not check boxes to allow for the marking of status values as to what they represent. This was resolved.

July 2025

- Universal Module – Cassette POU/Queue – Specimen Class printing. Added the ability to include the specimen class value in the drop file for sites that include a specimen class on a cassette. Previously this was available for direct print but not drop file functionality. An example of a specimen class value would something like FS to represent Frozen Specimens.

- Universal Module – Slide Queue – Block/Slide Override Check. Added this checkbox to the slide queue to work for slide magazine override values to let a protocol magazine be different than the default slide magazine that is driven by the cassette.

- Storage Tracking – Add accession to outbound display as a choice rather than just bin number.

- Universal Module – Cassette POU – Add specimen notes to case components. Added any existing specimen notes to the case components tree. Added a notes header entry with all date/time listing notes underneath the header for expansion/collapse as needed.

- Admin Web Site – Equipment Interface Maintenance. Port Number and file drop interface. Added the port number and a check box indicating whether or not the equipment interface expects a port number and a file drop vs. HL7 style streaming connection.

- Stain Queue – Ventana Navify file creation. Modified the stain queue to add functionality to build a drop file that is built in the specific HL7 format needed by the Roche Navify platform.

- Stain Queue – Max rows on retrieve and wait cursor. Added the wait cursor to the retrieval process and also put a max rows filter in the criteria to reduce the likelihood of unintentional massive data retrieval.

- HL7 Sender – Ventana Navify Functionality. Added functionality to the HL7 sending routine to handle communications with a Ventana Navify server. This routine sends

the files dropped by the stain queue to the IP/Port indicated and can be scheduled to run on a timed basis or on demand.

- Universal Module – Cassette POU – Specimen type override disables rather than deletes. Historically the specimen type override button would delete the "old" specimen type tracking transaction and then add the new one. Changed this routine to disable rather than delete to stay consistent with other Assist processes involving specimen types.

- Universal Module – Cassette POU – Work Queue validation check when switching parent accession. Added logic for sites that use the work queue validation process to make sure that a check is performed for complete processing when the accession changes.

- 7/2024- Universal Module – Cassette POU – Void removes Work queue listing transaction. Modified the void process so that it will remove transactions from the work queue if this functionality is being used.

- Universal Module – Cassette POU – Void inactivates LIS Interface alias. Modified the void transaction to also inactivate any LIS Interface cross reference information to improve data accuracy.

- Universal Module – Cassette POU – Void not updating the purge table. Void transactions get written to the purge table. There was an issue where this was not happening correctly. Fixed this issue.

- Admin Web Site – Client Facility Maintenance. Email Address. Added the email address to the client facility table to allow for the entry of a specific email address to be associated with a facility.

- Admin Web Site – Referring Physician Maintenance. Contact name, email address and phone number. Added the contact name, email address, and phone number to the referring physician maintenance screen.

- Scanner Engine – Case Components – Specimen Notes Inclusion. Modified the case components tree view in the main scanner engine to include specimen notes.

- Storage Tracker – Standard Login buttons and login manual screen. Converted the buttons on the screen to reflect the Assist standard picture buttons.

- Admin Web Site – SQL Native Client. Replace with OLE DB Connection string. Modified the connection string for the web site to use the most up to date connection methodology to support SQL 2022 and beyond.

- Sample Testing – Specimen Ordering Tab. Clinician new fields of Email address, phone number, and contact name.

- Scoreboard – Suppress Commands per board. Added logic throughout the scoreboard module to allow for the suppression of individual scoreboards by configuration and not just by machine activation.

- Admin Web Site – Slide Protocol Maintenance – CPT Code Number. Added the dropdown for the CPT code to the slide protocol maintenance screen.

August 2025

- Closeout Module – Doctor Closeout. Assist Native configuration flag. Added the ability to filter the loading of doctor orders by whether or not they were originally created by Assist. This gives the ability to suppress default H&E slides if they come from the LIS.

- Admin Web Site – Issue Status Maintenance. Font Color and active flag default on. Added the font color as a maintenance field and defaulted the active check box to on.

- Admin Web Site – Issue Application Maintenance. Active Flag default on. Defaulted the active flag checkbox to on.

- Admin Web Site – Issue Client Maintenance. Active Flag default on. Defaulted the active flag checkbox to on.

- Digital Manager – Specimen Type Grid Column. Do not repeat "N/A" if multiple files have no specimen type. The specimen type column was showing N/A repeatedly if multiple types on one accession had no value. Suppressed all but one of these values.

- Admin Web Site – Issue Category. Active flag. Defaulted the active flag checkbox to on.

- Admin Web Site – Issue Priority Maintenance. Low/Medium/High and font color. Added check boxes to allow for the specification of a priority as "Low", "Medium" or "High" and also added the ability to specify font colors.

- Issue Tracking Module – Priority/Status Font Color. Modified the grid display to reflect the font color for both status and priority.

- 8/2025 - QC Out Module – Rework Task Load Routine. Allow MT only tasks to show. Made changes to the rework task load routine to allow for the display of tasks that did not originate in Assist but that might need to be shown for rework assignment.

- Admin Web Site – Referring Physician Maintenance. NPI Lookup, no NPI checkbox. Added the NPI number as criteria to this screen and also the ability to display all physicians with no NPI number.

- Hub – Digital Objects. Manual File Upload Process. Added a button to the digital objects tab to allow for the manual uploading of files into the digital objects database.

- Digital Manager – Additional Tasks. Not considering the Active flag. There was a bug where the digital manager additional tasks area was showing inactive tasks. This was corrected.

- Digital Manager – Workflow status not positioning correctly. The workflow status was not loading correctly when a grid row was clicked. Corrected this to position the status.

- Admin Web Site – Issue Type Maintenance. Type category check boxes. Modified this maintenance screen to allow for the stratification of the issue types (ex. bug, feature request, project, etc.).

- Issue Tracking – Added a summary status area. Modified the module to show descriptions and counts for: Priority, Status, and types of issues. The view rotates and recalculates every minute.

- Issue Tracking – Triaged Only to selection criteria. Added the triaged only check box to the selection criteria for additional filtering.

- Hub – Medical Code Maintenance – Medical Comment Codes (Grossing). Added a maintenance screen to allow for the maintenance of medical comment codes and generation of an RTF field.

- Admin Web Site – Issue Type Maintenance. Font Color. Modified the issue type maintenance screen to allow for the addition of font colors for the issue type.

- Admin Web Site – Security Maintenance – Email Address. Modified the security maintenance screen to allow for the capture of an email address to be associated with an employee.

- Hub – Accession Search – Get number wheel and error if more than one match. Added logic to the accession search to load the number wheel based on accession

number if there is only one match and it was left blank. Changed to send an error to the screen if there are multiple accessions/number wheels that match.

- Admin Web Site – Order Type Maintenance. LIS Cross Reference in criteria. Added the LIS Cross reference field to the selection criteria to allow for better filtering.

- Admin Web Site – Material Type Maintenance. Object count fields (ex. Req, bottle, cassette, slide, other). Added numeric fields to the material type maintenance to provide numerical values for each of the types. Added values for Req, bottle, cassette, slide, and other.

- Closeout Module – Doctor Bulk Change Mode. Duplicates showing if multiple LIS records that were active exist. If there were multiple values in the LIS interface table with an active flag set to "Y" records were getting duplicated in the bulk change mode. Corrected this to collapse them down to one value.

- Hub – Quick Entry – Specimen Type Tracking Write. Modified the quick entry screen to create a specimen type tracking and audit record when a record is written into the patient specimen table.

- Hub – Quick Entry – Default Client Number. Added logic to allow for the specification of a client number that is defaulted for sites like remote gross rooms where there will only be a single client.

- Digital Manager – Tasks Tab named incorrectly. The task tab was mislabeled as codes. Corrected this issue.

- Digital Manager – Account Number Column suppression. Gave the ability through personal configuration settings to suppress the account number column if it is not needed. The Value can be originally set through the configuration.

- Issue Tracking – Added category and type filter. Added the issue category and type to the selection criteria on the screen.

- Admin Web Site – Product Maintenance. Invoice Description increase field size. The invoice description field in the database allowed more characters than the limitation of the text box on the screen. Made them the same.

- Hub – MFG Preferences Maintenance – Inactive department suppression. If a department was inactive, it was still showing up on the preferences maintenance screen. Corrected this.

- Hub – MFG Details Maintenance Tab – Patient Appointment. The patient appointment field was added to the manufacturing details screen and added to the maintenance logic.

- Admin Web Site – Laboratory Maintenance. Lab Abbreviation. Added a lab abbreviation to the laboratory maintenance screen so that abbreviated names could be used to allow for better grid display.

- Hub – Production Planning. Lab Abbreviation in grid. Modified the production planning grid to utilize the abbreviation to better utilize screen real estate.

- Admin Web Site – MFG Case Status Maintenance. Manufacturing Active check box. Added a new check box to the status screen to indicate if the various status values are considered manufacturing active or not.

- Closeout – Doctor Closeout. Log print include option for tech initials and employee printing the list. A change was made to put the initials of the employee that printed the log in the report header and gave the choice to add an initials area on the line for the technician.

- Closeout – Doctor Closeout. Rush column change to work RUSH. Modified the closeout screen to put the word RUSH in the rush column in the grid rather than the letter 'Y'.

- Hub – Patient Search. Added returned count. Put the count of the items returned into the header area of the search to make it easy to determine how many records were returned.

- Closeout – Doctor Closeout. Log print include option for lab aide initials. Added a second underline area in the detail section to reflect the initials of a lab aide.

- Closeout – Doctor Closeout. Log print duplicate LIS Interface. The log print was duplicating specimens if the LIS interface table was not inactivated on duplicates. Put a workaround in place to collapse duplicates.

- Universal Cassette – Cassette Scan based on delimiter. Added a logic branch to allow for the matching/scanning of a cassette when there was a delimiter parsing needed for the cassette but none of the other objects.

- Hub – Interface Inquiry Screen. Added a new screen to Hub via the main menu driver (interfaces) to provide counts from the interface audit log.

- Hub – Patient Specimen Save. Clearing the wrong section of the screen. On the save of the specimen collection area of the screen, the header area was getting cleared. This caused issues with double entry required if the screen was not closed on save.

- Universal Cassette – Write Print Queue Only Logic. Created features to allow for the universal cassette to be used in a mode where add on cassettes generate print queue transactions to allow for extra print cassette requests when in batch mode.

- Hub – Production Planning. Created a production planning screen to allow for the scheduling of manufacturing orders.

- Hub – About Box. Added an advanced about box to the screen. It supports version information, display of change control, and entry of issue tickets for integrated help desk request generation.

- QA Out Module. System Notifications. CreatedBy, machine, source. Added new fields to the system notifications capture to include the employee that created the notification, the computer name, and the source.

- Hub – System Notification Maintenance. Created this screen to allow for the manual modification of system notifications in the event that the automated solutions need to be augmented.

- Admin Web Site – Slide Digital Batch Report – Export fields added. Added several new export fields to the report. These fields had been added to the data capture but were not in the report.

- Admin Web Site – MFG Task Maintenance. MFG Case Status. Modified this screen to allow for the specification of a manufacturing case status to be associated with a scanned task transaction.

- 8/2025 - Hub – Database Connectivity Cancellation. Added logic to the Hub launch routine to quickly determine if there was a failure in the database connectivity and exit quickly rather than being delayed attempting to launch.

- Universal – Database Connectivity Cancellation. Added logic to the universal module launch routine to quickly determine if there was a failure in the database connectivity and exit quickly rather than being delayed attempting to launch.

- Print Center – Menu Re-organization. The menus were all previously under one option. The list was getting unworkable, so broke them up into workable groups.

- Print Center – Database connectivity cancellation. Added logic to the Print Center module launch routine to quickly determine if there was a failure in the database connectivity and exit quickly rather than being delayed attempting to launch.

- Print Center – If Open Menu option check. Added logic to each menu click event to check to see if the screen is already open inside the MDI. If the screen is already open, do NOT open it a second time.

- Print Center – Activation Check and Closure. Added logic to Print Center to make sure it is activated and close if not after showing a message. Previously the screen did not check for activation, the screen would just not load correctly.

- Admin Web Site – MFG Case Status Maintenance – Manufacturing Complete checkbox. Added a check box to this screen to allow for the grouping of case status values that are considered "Manufacturing Complete".

- Hub – Manufacturing Grid – Add status and color. Added a column on the manufacturing grid to show the status and have it color coded.

- Hub – Manufacturing Details – Added a "Manufacturing Complete" warning to screen. Added a warning to the screen to reflect in a large red box if a case has been brought up for maintenance that has already achieved a status that is considered "Manufacturing Complete".

- QC Out Module – Manufacturing Complete Warning. Added a "Manufacturing Complete" warning to screen. Added a warning to the screen to reflect in a large red box if a case has been brought up for maintenance that has already achieved a status that is considered "Manufacturing Complete".

- Doctor Module – Doctor Orders – Sequence Logic. Added logic to the accession orders tab to allow for the capture of a sequence for the order types along with up/down arrows to modify the sequence after entering them. This allows a doctor to specify exactly the order needed for preparing the slides.

September 2025

- Hub – Clinician Add button clean up. Modified the logic associated with adding a Clinician with the green + button to make more logical and efficient.

- Hub – Default selected specimen. The selected specimen was not defaulting correctly. Cleaned up this logic.

- Admin Web Site – Referring Physician Maintenance. Unknown Physician Flag. Added a checkbox to this maintenance screen to allow for specification of a referring physician as "unknown" so that a placeholder can be entered during data entry.

- Admin Web Site – Distribution Location – Default Laboratory. Added this drop down to the screen to provide the ability to associate a distribution location/doctor with a laboratory.

- Admin Web Site – Doctor Preference Maintenance. Created this screen to provide the ability to split the doctor preference maintenance out as a separate screen instead of having it bundled as part of the doctor maintenance.

- Admin Web Site – Doctor Maintenance. Disabled license and preference options and added buttons to the new screens to handle those functions.

- Admin Web Site – Laboratory Number Wheel Maintenance. Manufacturing Flag. Added a manufacturing flag to allow for marking a number wheel as a medical manufacturing number wheel for filtering purposes on drop downloads.

- Admin Web Site – Label Logic Maintenance. Label Batch inclusion. Added a check box to allow for the specification of batch inclusion logic.

- Admin Web Site – Label Logic Batch Maintenance. Created this screen to allow for the maintenance of label logic batches. Previously this was done directly into the database by a DBA.

- Print Center – ENFD Label Print. Created this screen inside Print Center to support the printing of ENFD labels that are designed around the label batch logic.

- Print Center – MICRO Label Print. Created this screen inside Print Center to support the printing of Micro labels that are designed around the label batch logic.

- Admin Web Site – Facility Master – GEO Zone and GEO Area. Added text fields for the GEO area and zone to allow for tying facilities into GPS tracking technology solutions.

- Hub – Case Hold Utility Screen. Built this screen inside Hub to allow for expedited release of case holds and bulk modifications.

- Hub – Client Maintenance. Client NPI Number. Added a client NPI number to the maintenance screen to allow for the specification of an NPI number at the client level when relevant.

- Admin Web Site – Client Maintenance. Client NPI Number. Added a client NPI number to the maintenance screen to allow for the specification of an NPI number at the client level when relevant.

- Admin Web Site – MFG Model Type Maintenance. Created this screen to allow for the maintenance of manufacturing model types as part of the Assist manufacturing feature set.

- Admin Web Site – Office Queue Master Maintenance. Overdue Hours. Added an overdue hours field to the office queue master file to allow for the concept of when an office queue object has been open for too long from an SOP standpoint.

- Closeout – Office Queue. Work Queue view and button. Created an expedited/small version of the office queue to work in conjunction with the full office queue. Would be geared more toward employees working through assigned cases rather than managing the office queue.

- Closeout – Work Queue. Added overdue hours logic to the created date forecolor. Added the overdue hours check to the work queue screen to allow for color coding of items as a visual reminder of overdue status.

- Closeout – Work Queue. Overdue count to allow for overdue hours option. Added a count to the screen of the number of items in the work queue that are overdue.

- Admin Web Site – Laboratory Number Wheel Maintenance. Create MFG Prefix on save. Added a checkbox to allow for the creation of a manufacturing accession prefix when a number wheel is created.

- Hub – Req/Bottle Print button/functionality. Added the ability to print requisition and bottle labels from inside Hub when a case is accessioned.

- Hub – Print Options pop up button. Added this pop up screen to allow for changes to the default printer, counts, etc.

- Hub – Production Planning Report – Convert Ship Date, Date In, and Due Date to MM/DD/YYYY. Modified the production planning report to export dates in a different format to support Excel functionality.

- Distribution – Auto Assignment at the referring level. Added logic to the auto distribution routine for the assignment at the referring physician level in addition to client and facility.

- Admin Web Site – Feedback Corrective Action Maintenance. Created this screen to allow for the maintenance of correction actions as part of the client feedback area of Assist.

- Admin Web Site – MFG Employee Task Summary – Employee Group Criteria. Modified this report to add an employee group to the selection criteria.

- Admin Web Site – Insurance Relationship Maintenance. Created this screen to allow for the maintenance of insurance relationships (ex. Self, Spouse, Child, etc.).

- Hub – Client Feedback – Feedback Audit details. Modified the client feedback section of Assist to capture an audit trail and make the information available via a detailed pop up screen off the feed back tab.

- Admin Web Site – Facility Registrations Maintenance. Created this screen to allow for the maintenance of facility registrations. These represent any regulatory information/certificates associated with a facility (ex. CLIA, CAP numbers). A facility can be a laboratory, reading room, etc.

- Closeout – Doctor Closeout – Log Print include sequence and suppress duplicate accessions. Modified the log printout to support the suppression of a duplicate accession number to cut down on visual clutter and also show the sequence number that is being used for sortation.

- Hub – Protocol Utility. Added this screen under the utility menu driver to allow for the import of protocol lists (ProtocolImport table) and load directly into Assist.

- Admin Web Site – Slide Protocols Maintenance. Notes column. Added a notes column to provide for detailed notes that can be used to fully explain the slide protocols.

- Universal Cassette – Work Queue Verification Screen. Verify All Button. Added a button to the verification screen to allow for the verification of all rows in the grid instead of requiring them to be done one at a time to increase screen processing speed.

- Admin Web Site – Distribution Location Facility Assignment. Created this screen to provide the ability to associate distribution locations (i.e. Doctors) with Facilities (i.e., Labs, Reading Rooms) and specify a default. This will allow for the building of regulatory tracking with doctors and potential customizations of medical reports based on where the specimen was read.

- Hub – Client Feedback – Required Field Logic into configuration. Added logic into the configuration for the client feedback fields so that the required enforcement can be dynamic by each installation.

- Admin Web Site – Feedback Status Maintenance. Created this screen to allow for the maintenance of feedback status values to provide the ability for feedback records to be assigned to different workflow status values.

- Admin Web Site – Feedback Employee Options. Created this screen to allow for the capture of employee options that can be set on the client feedback screen. This is where "rights" throttling or feature enabling can be performed.

- Clinical Office – Manifest print layout changes and more variables. Added more variable choices for the clinical manifest for printing and exposed the X/Y coordinates.

- Clinical Office – Referring was not loading in the grid correctly. The referring physician was not showing in the correct column on the grid.

- Admin web Site – Patient Type Maintenance. Created this screen to allow for the maintenance of patient types that can be assigned in Hub to break down patient types.

- Hub – Patient Type/Specimen Collection Area. Added the patient type drop down to the specimen collection section of the screen to allow for the capture of the data.

- Admin Web Site – Kit Master Maintenance. Kit Code. Added a kit code to the maintenance screen to allow for the passing via interface into/out of Assist to indicate when a panel/kit should be specified and vice versa.

October 2025

- Admin Web Site – Insurance Relationship Maintenance. RelationshipCode Addition. Added a relationship code to this maintenance screen to allow for cross referencing to external systems.

- Digital Manager – Not Specified Status. Removed the ability to change the status of a case in the digital manager and change it to "Not Specified". This was causing data integrity issues.

- Hub – Specimen Details – Referring Show Phone/Fax in drop down. Added the ability to include phone and/or fax number in the description in the physician drop down to ease in identifying the correct physicians.

- Doctor Module – Header accession prefix/MB/MC upper case only. Modified the text fields to only allow upper case data to improve the visuals on the screen.

- Doctor Module – Order Master Write. Panel number inclusion. Added the panel number to the doctor order table and wrote it from the doctor module to provide tracking of how order types got submitted.

- Digital Manager – Enter key/Retrieve button. Tied the pressing of the enter key on the keyboard to the clicking of the retrieve button.

- Admin Web Site – Insurance Type Maintenance. Created this screen to allow for the maintenance of insurance types which can be used to categorize insurance data.

- Admin Web Site – Insurance Carrier Maintenance. Insurance Type, Payer class, billing ID, and outbound interface type. Added check boxes to the insurance carrier maintenance screen to allow for the capture of new information.

- Admin Web Site – Insurance Payer Class Maintenance. Created this screen to allow for the maintenance of insurance payer class data. This data will appear in dropdown values on the insurance carrier maintenance screen.

- Hub – Cassette Printer/Magazine saving. The cassette printer and magazine were on the specimen details section of the screen but they were not saving into the database. Corrected this missing data issue.

- Inventory – Release product details drop down. Expiration date in drop down and sort order. Modified the loading of the product details drop down to allow for the inclusion of the expiration data in the description and the sort order based on configuration flag.

- Admin Web Site – Feedback Employee Option. Allow ReOpen. Added a checkbox to the feedback employee option screen to determine if an employee is allowed to reopen a closed feedback record.

- Clinical Office Module – Outbound. Referring Physician filter by Clinical/referring assignment. Added logic to the clinical office module to allow for the filtering of referring physicians to reduce the number of entries in the drop down box.

- Admin Web Site – Referring Physician Role Maintenance – Created this screen to provide for the ability to establish a role for a referring physician as the Hub feature set is extended to support multiple physicians on a patient/specimen with different roles.

- Hub – Specimen Grid – Encounter Number. Added an "encounter number" to the specimen grid to track the specific "visit" for a patient that resulted in a specimen submission.

- Hub – Specimen Details – Encounter Number. Added the encounter/visit number to the entry screen to support EMR interfaces or manual entry of patient encounter numbers.

- Admin Web Site – Testing Master Maintenance. Created this screen to provide the ability to record diagnostic testing value capture to support doctor diagnosis.

- Hub – Patient Search – Encounter Number. Added the encounter number to the search selection criteria when identifying a patient.

- Hub – Specimen Details – Multiple Referring. Added a grid area to support the concept of multiple referring physicians/roles on a patient/specimen to support this need.

- Hub – Specimen Details – Unlock Accession. Added a checkbox to the screen to allow for the "unlocking" of the accession number to allow for manual accession number adjustments.

- Hub – Specimen Details – Address/Insurance Tab Redesigned the screen to provide a tab to allow for toggling the view between the address information for the client and patient insurance information.

- Hub – Client Feedback – Images Grid. Added a grid of images associated with a case to the feedback log so that views can be seen of case images, Rx images, etc.

- Admin Web Site – Patient Authority Maintenance. Created this screen to allow for the maintenance of patient authority values. These represent the different entities that might have a patient identifier.

- Admin Web Site – Testing Result Type Maintenance. Created this screen to allow for the maintenance of testing result types. This is part of the diagnostic test result capture section of Assist.

- Admin Web Site – Specimen Size Maintenance – Tissue Run Drop down. Added the tissue run as a selection to the specimen size screen to allow for the selection of a default tissue run based on the specimen size.

- Universal Cassette – Speed Pieces Buttons. Added four buttons to the top of the grossing screen to provide for single click capture of pieces information rather than needing to make a selection from the drop down or via bar code.

- Universal Cassette – Speed Size Buttons. Added three buttons to the bottom of the grossing screen to allow for the speed capture of the specimen size (S, M, L).

- Admin Web Site – Grossing Batch Type Maintenance. Specimen Size Drop Down. Added a specimen size drop down to the grossing batch type maintenance screen so that the pressing of the size buttons can default a grossing batch type.

- Admin Web Site – Idea Type Maintenance. Created this screen to allow for the maintenance of Idea types which are part of the Assist Welcome idea box.

- Admin Web Site – MFG Preference Data Type Maintenance. Digital Type Checkbox. Added this check box to the screen to allow for the specification of a preference data type as being part of the digital preferences. This will be used to default values inside the digital manager module.

- Hub – MFG Preference Data Type Maintenance. Digital Type Checkbox. Added this check box to the screen to allow for the specification of a preference data type as being part of the digital preferences. This will be used to default values inside the digital manager module.

- Hub – Multiple Patient Identifier Visibility. Modified the screen to show a grid of all of the identifiers with the listed authority that might represent alias values for a patient.

- Hub – Patient Search. Multiple Patient Identifier inclusion in search. Modified the search screen to consider all values in the patient identifiers table when a cross reference is specified.

- Admin Web Site – Accession Prefix Maintenance. Buttons to top and capture last maintained. Moved the Save/Delete buttons to the top of the screen to reduce scrolling and also added created by and last maintained by user/timestamps to provide for audit trails.

- Hub – Patient Identifiers Maintenance. Added the ability to maintain the patient identifiers table using a "hamburger button" on the main patient demographics tab.

- Hub – New Patient Checkbox. Added a variable to the configuration to allow for the new checkbox to be on or off depending on the likelihood of Hub being the point of entry for patients rather than an EMR feed.

- Hub – Duplicate EMR check. There was a flaw with this check where duplicate EMR, Medical chart, and Patient ID number were not getting caught correctly. This was fixed.

- Admin Web Site – Referring Physician Maintenance. Physician First/Last name. Added two fields for first name and last name in addition to full name to meet long term requirements.

- Admin Web Site – Print Template Maintenance. Show RecordNumber. Added a "show record number" check box to the top of the screen to provide visibility to the control number when needed.

- Hub – Collection/Body Source addition button. Added a button to the screen and a free form text box to allow for the capture of body sources or collection sites in a quick manner rather than having to go to the main web site screen. Added a flag to capture this "Quick Entry" along with audit trail dates/people.

- Admin Web Site – Body Source Maintenance. Created and Last Maintained date visibility and capture. Modified the web screen to adjust/add the created and last maintained dates and show them on the screen.

- Admin Web Site – Interface Type Maintenance. HL7 Interface Type. Added a drop down box to the main interface type maintenance screen to allow for an HL7 interface type to be specified for an interface type.

- Admin Web Site – HL7 Interface Type Maintenance. IncludeACK Checkbox. Included a checkbox to allow for the specification of whether or not and acknowledgement (ACK) is expected on an HL7 interface.

- Admin Web Site – Feedback Listing. Created a detailed feedback listing to be used to provide visibility to feedback data.

- Hub – Manufacturing Order – Remake Screen Completion. Completed the Remake/RMA screen inside Hub.

- Hub – Main Demographics Screen. Date of birth calculates age Changed the main demographics screen to allow for the specification of the data of birth to automatically calculate the age rather than both fields allowed/requiring entry.

- Doctor Closeout. Sort Order drop down on the print log. Added a drop down box on the print log pop up screen to expose all of the valid sort orders and added the ability to default and disable the box.

- Admin Web Site – HL7 Messages Interface Type Maintenance. Added message codes to the drop down and grid. By added the standard 3 character codes, the screen is easier to use.

- Doctor Closeout – Status change add object print queue. Added an algorithm to the order closeout screen to allow for the bulk status change mode to write records to the slide queue if the status changed to has a "write slide queue" value indicated. This supports sites that use doctor ordering and batch slide printing.

- Admin Web Site – Order Status. Write Slide Queue checkbox. Modified the order status maintenance screen to capture the new "Write Slide Queue" value.

- Admin Web Site – Assist Options Maintenance. Created this maintenance screen to allow for the introduction of the enabling and visibility of controls on different screens inside Hub (currently) for more flexibility in managing the user interface.

- Admin Web Site – Assist Employee Options. Created this screen to work in conjunction with the Assist Options maintenance to assign the option functionality to specific employees.

- Admin Web Site – HL7 Messages. Notes and HL7Version. Modified this maintenance screen to allow for the capture of HL7 message notes and the HL7 version (ex. 2.4, 2.5, etc.).

- Admin Web Site – HL7 Version Maintenance. Created this screen to support the concept of storing the difference revisions or versions of HL7 messaging.

- Universal Cassette – Change screen view to tabs instead of radio buttons. Added a tab area to the screen to allow for a better UI experience rather than changing views using radio buttons. This makes the grossing screen visually compatible with the microtomy screen.

- Universal Cassette – Quick QC button and tab. Added a tab to the screen that lists all of the QC messages that are associated with grossing and introduced a "quick qc" button that can be assigned for quick capture by clicking one of the QC messages on this tab.

- Admin Web Site – Transmission Results. Created this screen to allow for the maintenance of transmission results as part of the medical report submission process.

- Admin Web Site – Feature Finder and rights. The feature finder had a flaw where only features to which an employee had rights were visible. Corrected this to show regardless and indicate on the screen whether or not rights existed.

- Issue Tracking – Activity Log Tree on Details. Modified the screen to include a "tree" of issue activity to see the lifespan of the issue ticket.

- Security – Issue Triage Flag Checkbox. Added an Issue Triage checkbox to allow for the specification of an employee as an Assist subject matter expert that is allowed to triage issues that have been submitted by employees.

- Issue Tracking – Triage Flag disable based on rights. Protected the triage checkbox inside the issue tracking module to only allow it's usage for employees that are marked as having the ability.

November 2025

- Issue Tracking – Delete Issue Confirmation Message. Added logic to the issue tracking screen to prompt for confirmation before deleting an issue.

- Hub – Drop Down Key Ahead Logic. Modified the logic used for referring physician selection to have key ahead and filter capability.

- Admin Web Site – Auto Configuration Identifier Maintenance. Configuration Drop down positioning and selection criteria searches. Modified this screen to provide additional selection criteria and also changed so that the drop downs position when changing.

- Admin Web Site – Specimen Type Maintenance. Default Body Source. Added drop down list to allow for the assignment of a body source/collection site to a specimen type to be used in the various Assist screens (ex. Gall Bladder specimen type maps to body source Gall Bladder).

- Hub – Order Detail – Specimen type/body source integration. Modified the order detail screen in hub to position the body source/collection site when the specimen type is selected.

- Admin Web Site – Slide Type Maintenance. Unstained Flag. Added a check box to the screen to allow for the marking of a slide type as an unstained slide type.

- Universal Slide – Conversion Tab. Added a conversion tab to the universal slide module to allow for the conversion of unstained slides to become a stain, recut, etc.

- Admin Web Site – Slide Type Maintenance. Normal and converted check boxes. Added two check boxes to the slide type maintenance screen to mark slide types as "normal" and "converted" to support the new slide conversion process.

- Admin Web Site – Slide Tracking Report. Multiple new fields. New fields have been added the slide tracking table to support different needs but the report had not been updated to reflect the changes. This has been corrected.

- Admin Web Site – Facility Maintenance – Laboratory and Facility Code. Added a cross reference facility code and also a laboratory to allow for additional utilization of the facility master file.

- Admin Web Site – HL7InterfaceType Maintenance. HL7Version. Added a drop down list to the HL7 interface type maintenance screen to allow for the specification of the HL7 version.

- Admin Web Site – HL7MessageMaintenance. Remove HL7Version. Add HL7InterfaceType. Removed the HL7 version from the message maintenance screen because it was moved to the level of the HL7 interface type and added the interface type to the drop down.

- Admin Web Site – Clinical Master Maintenance – Client and Client Facility Drop downs. Added the ability to associate a client and client facility with a clinical office record so that remote collection sites can be tracked.

- Admin Web Site – Client Type Maintenance – Clinical Office checkbox. Added a check box to the client type maintenance screen to allow for the filtering of clients to only show in a drop down the clients that are remote collection sites.

- Admin Web Site – Label Logic Maintenance. Use fixed suffix and fixed suffix value. Added logic to this label routine to allow for the specification of fixed suffix values for label batches that are not variable.

- Print Center – ENFD Labels. Modified to support fixed suffix logic. Modified the ENFD label print screen to make use of the new fixed suffix values.

- Hub – Case Summary Screen. Created a case summary screen inside the hub MDI to allow for detailed case research and summary data to be displayed.

- Hub – Patient Search First and last name and take from demographics screen. If a patient name has been typed on the main screen and the search button is clicked, take the patient name information to the search screen.

- Hub – Specimen Details. Specimen grid row selection instead of header. Changed the selection to be entire row instead of just row header.

- Hub – Specimen Details. Sequence Auto Increment and disable. Disabled the sequence number field and set it to auto increment to not allow the same sequence to get created repeatedly.

- Hub – Client Maintenance. Special Handling. Added a special handling drop down box to the screen to allow for the capture of special handling at the client level.

- Hub – Patient Search – Grid change of DOB next to name. Changed the grid to place the date of birth next to the name.

- Admin Web Site – Client Group Maintenance. PrintCode field. Added a print code field to the client group screen to allow for the use of print codes for things like case pans used in medical manufacturing.

- Hub – Patient Search – Middle Name and prefix. Added the accession prefix and the patient middle name as criteria on the patient search screen.

- Hub – Patient Search Tab Order. Changed the tab order on the patient search screen to be top down left to right.

- Hub – Main screen tab order changes. Changed the tab order on the main hub demographics screen to largely go top bottom, left to right.

- Hub – Insurance Screen. Disable Guarantor and default primary coverage options. Provided the ability via configuration choice to disable the guarantor and whether or not the data is required. Also allowed for the default of the primary coverage check box.

- Hub – Insurance Screen. Tab Order Changes. Changed the tab order on the insurance screen to be more logical.

- Doctor Module – Order Matrix Feature. Modified the doctor module to include a button on the ordering screen to provide access to the detailed order matrix as an alternative for the entering of doctor orders.

- Universal Slide Queue. Doctor orders to the criteria and selection criteria font changes. Added a drop down to the screen to allow for the filtering of the queue for doctor orders. Also modified the font in the selection criteria area to be more uniform.

- Hub – Manufacturing Details. Show client code. Modified the screen to allow for the display of the client code on the screen after selection from the drop down list rather than just showing the client name.

- Hub – Manufacturing details. Interface reload button. Added a button to the screen that writes the active case number/accession into the manual interface inclusion database table. The next time the interface robot runs, any case/accession in this table will reload.

- Universal Slide – Position Protocol on Specimen checkbox getting turned off on config change. There was a bug where the position protocol on specimen was

getting turned off when the configuration changed regardless of the other settings. This was corrected.

- Admin Web Site – Image Type Maintenance. Case Image checkbox. Modified the image type screen to provide the ability to mark an image type as a generate "case" image.

- Hub – Clear Demographics button. Added a button to the main screen to allow for a clear of all of the demographics fields.

- Hub – Manufacturing Details – Ship Address Inclusion. Added the shipping address as information that can be entered and saved to provide the ability to track shipping address information for product shipments.

- Hub - Patient Demographics Audit Trail and Reason pop up. Added an audit trail to the main demographics screen. If a change is made to the patient data (ex. name) after specimens have been added, a pop up box appears requesting the reason for the change and this is stored in the audit trail.

- Admin Web Site – Patient Change Reasons Maintenance. Created this screen to provide the ability to maintain the patient change reasons. These are prompted when patient demographics are modified after specimens exist.

- Admin Web Site – Medical Report Amendment Reasons Maintenance. Created this screen to allow for the maintenance of the reasons for amendments to a medical report.

- Hub – Insurance Screen – Allow for optional enforcement of policy effective dates. Not all sites enforce insurance effective start and expiration dates. Modified the screen to support this change.

- Hub – Patient Audit Trail Visibility. Added a button to the main hub screen to provide line of sight to the demographics audit trail data that is now captured.

- Universal Slide – Slide Queue write doctor order number into DB when relevant. Modified the routines where the slide queue is written to include the doctor order so that they can be retrieved by doctor.

- Admin Web Site – Office Queue Master Maintenance. Include Checkerboard checkbox. Added this checkbox to the maintenance screen so that filters can be done when the office queue status checkerboard screen is implemented.

- Admin Web Site – Testing Options Maintenance. Created this screen as part of the Assist accession testing values capture. This represents the "options" or "questions" that can be asked or prompted.

- Hub – Client Maintenance. Interface Code Field. Modified the screen to include the interface code field that has been added.

- Admin Web Site – Client Maintenance. Interface code Field. Modified the screen to include the interface code field that has been added.

- Admin Web Site – Image Type Maintenance. Medical Report checkbox. Modified this screen to allow for marking an image type of being a medical report.

- Admin Web Site – Testing Values Maintenance. Created this screen to provide the ability to capture testing values that will be part of the Assist accession testing data capture.

- Hub – Manufacturing – Task Generate system notification. Modified the manual task generation process on the manufacturing tab to also generate system notifications if the flag indicates in the same manner that a task scan would do so.

- Hub – HL7 Utility – Copy Interface tab. Added a tab to the HL7 utility screen to allow for the copy of an interface type to a new interface type to make setup of similar interfaces simpler.

- Hub – Specimen Order – Add Cassettes. Added a button to the screen to provide the ability to simply add more cassettes to a specimen.

- Hub – HL7 Utility – HL7 Interface Type Maintenance. Added a maintenance tab to the HL7 utility screen and put the interface type maintenance ability there to allow for one stop shopping on HL7 maintenance/setup.

December 2025

- Hub – HL7 Utility – HL7 Version Maintenance. Created this screen to allow for the maintenance of HL7 versions.

- Hub – Specimen Details – Clinician Save on new specimen logic. Modified this logic to allow for the save of a clinician before the actual creation of a specimen record to resolve a somewhat backwards issue where you had to save data lower on the screen and then come back up to save the clinician.

- Hub – Import Status Maintenance. Created this screen to allow for the maintenance of import status values which will be used in the various inbound data interfaces.

- Hub – Interface Import Screen. Created this utility screen to provide visibility to the import patient records for the demographics screen. It can be used as "view only" or as a screen where records can be imported.

- Hub – Interface Import Details Screen. Created this pop up screen off the interface import screen to show the detail level information that can or has been imported and can be accessed with a simple double click from the main interface import screen.

- Admin Web Site – MFG Order Issue Detail Report. Created this report to provide visibility to the manufacturing order issues from a historical perspective.

- Admin Web Site – MFG Order Workflow History Report. Case Hold Status Checkbox. Changed the selection criteria on this report to allow for only workflow status values that are flagged as a case hold status to be filtered for doing analysis on case holds.

- Hub – Patient Search – Date of Birth entry. Modified the patient search date of birth field to allow for direct typing instead of selection from a calendar drop down box.

- Admin Web Site – Client Order Type Maintenance. Created this screen to allow for the maintenance of client order types. This will be implemented in the Clinical Office module to allow for "stain ordering" with custom lists that can be displayed per clinical office/client.

- Hub – Patient Search. Clear Patient number on launch option. Discovered an issue where the previous patient number was not getting clearing prior to display of the search screen. If the search screen was then cancelled with no selection performed, the prior patient was being displayed which was not the intent.

- Hub – Order Details – Date of service not defaulting correctly. The date of service field was not defaulting with a leading zero for days where it was a single digit (i.e. 1-9).

- Hub – Order Detail Button Tool Tips. Several of the button tool tips were incorrected. Fixed these pop up values. Several of the buttons on this screen were displaying an incorrect tool tip. Resolved this issue.

- Hub – Customer Preferences Screen. Added ENTER key response on Customer Code. A request was received to have the enter key load the customer defaults on the drop down in addition to the tab button.

- Hub – Patient Search Screen. Clear Button. Added a clear button to the patient search screen to allow for the clearing of any input information.

- Doctor Module – Ordering Tab. Cassette source change. Modified the doctor module ordering tab when in bulk mode. Added configuration choices to include cassettes from grossing or embedding.

- Hub – Startup – Do not allow application to run twice. Added logic to the startup for Hub to determine if the application is already active on the computer and do not let it run a second time to prevent locking.

- Hub – Patient Locking. Added logic into Hub to write an active patient in use record to the database to be able to prevent multiple employees from having the same patient open.

- Hub – Patient Access Log – Added the ability to write a record to the database to indicate that a patent was accessed by an employee as an additional chain of custody transaction.

- Distribution – Prevent Sleep Setting – Added logic to the distribution module to prevent the computer from going to sleep if the configuration setting indicates it.

- Universal – Prevent Sleep Setting – Added logic to the universal module to prevent the computer from going to sleep if the configuration setting indicates it.

- Scanner Engine – Prevent Sleep Setting – Added logic to the main scanner module to prevent the computer from going to sleep if the configuration setting indicates it.

- Hub – About Box – New Information regarding DB. Added some new fields to the about box to provide more detailed information about versions, date of executable, database version that is connected, etc.

- Hub – About Box – Database Connection Change. Added the ability on the hub about box to allow for the connection to a different database (Assist Database Definitions) to support toggling between a production and test database in the same environment.

- Admin Web Site – Client Configuration Detail Maintenance. Detail Notes and Deprecated. Added a detail notes field to this screen to allow for a detailed explanation of the variable. Also added a check box to mark a variable as "deprecated" to indicate it will be eliminated in a future version of Assist.

- Hub – Specimen Order – Grossing Notes Button. Added a button for the grossing notes to allow for the viewing and change of the grossing/clinical notes as needed. If Grossing notes exist, this button will be background green when the screen loads.

- Hub – Specimen Order Screen – Medical Report Button background color. Modified the medical report button so that the background will turn green on screen load if a medical report(s) exists for the accession.

- Hub – Specimen Order Screen – Rx Image Button background color. Modified the Rx/Requisition button so that the background will turn green on screen load if Rx/Requisition images exist for the accession.

- Hub – Specimen Order Screen – Warn if Order Type with no protocols defined when adding slides. Added logic to warn if an order type is specified that has no protocols assigned to alert the entry person that there are no slides generated by the entry.

- Universal Grossing – Clinical Information Disable. Added a configuration option to disable the clinical information on the grossing notes screen so that they can be view only for sites that enter the clinical information before grossing.

- Universal Grossing – Cassette Add/Void updates the cassette counts in Hub. Modified the universal to update the patient specimen table used by Hub for data entry on added cassettes and voided cassettes to keep the totals accurate.

- Universal Grossing – Specimen Type Change updates Hub. Modified the universal module to update the Hub patient specimen table specimen identifier if the specimen type is modified at grossing.

- Universal Slide – Added case trace functionality. The case trace functionality in Assist had never been added to the universal slide module. Added this functionality.

- Universal Cassette – Added case trace functionality. The case trace functionality in Assist had never been added to the universal cassette module. Added this functionality.

- Hub – HL7 Utility – Dictionary Copy to Interface. Added a section to the HL7utility to allow for the copy of an HL7 version to different interfaces to serve as an original starting point for HL7 customization.

- Distribution – Missing Block Check. Added logic to the distribution module to allow for a check for a block anywhere in Assist that was scanned but there is no matching slide at distribution to allow for the alerting of a missing specimen/part rather than relying solely on the scans from Microtomy.

- Override Tracking Report. Changes to support distribution override. Added logic to show distribution override information for the missing blocks to the override tracking report to provide line of sight to when technicians knowing skip the warning.

- MFG – Task/Case Total Screen adjustments and details. Modified the details on the counts that are shown on the screen and the headers.

- Hub – Manufacturing Details – Preferences Button. Added a preferences button on the details screen to go straight to the preferences screen rather than having to close the modal screen and navigate via the menu structure.

- Assist Configuration Utility – Print Template, Detail Notes, Deprecated Flag inclusion. Added detail notes and a deprecated flag to the assist configurations details and added a new tab inside the Assist database utility to allow for maintenance of configuration details.

- Hub – Database Utility – Database Structure Comparison. Added a tab to the database utility screen to allow for the comparison of two Assist databases to look for exceptions. Very valuable when comparing the known vendor database to an installation to make sure all upgrades have been applied correctly.

- Admin Web Site – Print Template Details. Notes and deprecated flag. Added a detailed notes field to the screen to allow for explanations of features and also a deprecated checkbox to allow for the marking of a feature as no longer supported in future application releases.

- Hub – Database Utility – Activation Maintenance tab. Added a tab to the database utility screen to provide for the activation of machines. Previously, this was only available via the administrative web site.

- Hub – Database Utility – Configuration Details tab. Added a tab to the database utility screen to provide for the maintenance of configuration details for expert administrators. Previously, this feature was only available via the administrative web site.