

DNA Fusion

CHANGE LOG – VERSION 7

VERSION	7.9.0.5
RELEASE DATE	February 8, 2021
MERCURY FIRMWARE	1.29.1.0633 (SSP-D2, SSP-EP, SSP-LX, DController)

Improvements

- Added the ability to disable the Log All Requests as Used option for Elevators
- Added Mitsubishi Elevators Integration
- Added Flex Milestone ACM Integration license to the About license grid
- Added Default all new OSDP readers to "Auto Negotiate"
- Added Invalid PIN messages mapped to Event Index 64 instead of 55
- Added ability to create discrete Alarms rather than aggregate
- Added support for Mercury SIO Encryption
- Added more logic to ensure operators are aware and cannot add more than 1024 access points to an ASSA Authorization
- Added ability to Change meaning of the DPS on Isonas Doors on a door by door basis
- Added Salient DVR Integration
- Added Salient Event Integration
- Added Milestone .Net DVR Integration
- Added option to switch to Personnel only in Personnel - Card Information report
- Created Report for Card less personnel
- Improved CP Pulse and CP Repeat macro descriptions
- Added ability to designate default card and/or personnel types for new records
- Added better messaging to the ASSA DSR Resync UI when there's 1) No Errors 2) A Problem with running the Tool
- Added Template for IN/OUT door
- Added the ability Check if a DVR integration is installed before trying to create an object
- Added a default Personnel type to the Personnel Properties to be applied when creating a new Personnel Record
- Added support for the Non-Use Report for Engage Doors
- Added more exception handling around the ClearSelectedAlarms section of code - based on bug reports
- Added support for extended modes (Apartment, Privacy, Office, Store Room) for the Engage NDEB lock
- Removed the License Files link from Help about due to moving License Server off premise
- Added support for Isonas Doors in the Non-Use Report.
- Added Access Areas appear to not respect Maximum occupancy rules in some cases
- Made Bosch Panel Area Graphics Menu items description identical to HBM Control Bosch Area Action Items description
- Added Change URLs used in the Registration COM Object to be http://license.* instead of http://myaccount.*

- Added Advanced Camera Macro - Camera drop-down control wider
- Added support for ASSA Doors in the Non-Use Report
- Reworked User Group Dialog on Personnel Page - On larger sites it can take a significant amount of time to load
- Added functionality for MPO2 Vanderbilt OEM Codes work w/o OEM Conversion
- Added functionality to set a default cardholder enrollment option in personnel properties.
- Added better exception handling around the code that removes cards
- Added support for a license feature to allow DNAFusion to use the Vanderbilt specific ACT ID parameters
- Improved Door/Elevator/Input/Output Control Dialogs
- Added functionality so that dormakaba Door Configuration commands are flushed to non-volatile ram right away to speed up the flow of data to Gateway
- Improved exception handling in the Reg Client when retrieving values from License File
- Added OSDP Default Settings via Reader Template
- Changed "Invalid password" to "The user name or password is incorrect"
- Added Double Swipe option to OUT door
- Added Personnel as an option Middle Name, First Name First, for Both Personnel Tree and Photo Recall
- Added - Custom Reports with Date/Time range: Default to current Day/Time
- Added functionality so that Employee Identifications reflect headers in Events History report UI
- Added ability to drag a camera to Events Grid and filter the Camera Events associated with it.
- Sped up Filter Setup
- Added Default OSDP reader to Not Auto Discover
- Improved Advanced Camera Recording Dialog load time
- Added a 1 sec step, 255 sec range to Momentary Output and change step to .1, range to 25.5 sec for Pulsation
- Increased efficiencies when creating download records for external locksets (Engage, Isonas, Schindler)
- Added method to use the operator as the basis for DNA Settings rather than the station - Used for Cloud Environments
- Added new text in Engage Battery Voltage grid to view in Dark Themes
- Added Homepage to the ASSA Access Point
- Added support for Engage WiFi doors to the Engage Battery Levels InfoReady report
- Added text colors in BCG grid to see in Dark Themes
- Added an expiring Software Maintenance reminder screen
- Added Doors Parameter to Request To Exit Report
- Improved how the DSRResync utility handles authorizations that need to be flushed to DSR
- Changed the behavior of the SWM Expiration Notice to 1) allow user to suppress it 2) also pop up warning about Demo Systems Expiring
- Cleaned up the shutdown process related to DVR Instances in the driver

Hot Fixes

- Assa Card Format memory is no longer freed multiple times
- Changing a person's name now updates the associated tab in the Personnel Dialog
- Trigger Code usage between Trigger/Macro Dialog and Card Dialog is now consistent if you've created named Trigger Codes

- Fixed issue to ensure you can't paste/enter more characters into Journal entries than it handles
- Fixed issue where the Set Use Limits Dialog did not handle Multiple Sites correctly in the SSP drop down
- Fixed issue where Setting Use Limits for large numbers of cards (i.e. > 8-10k) could result in no available SSPs populating in the SSP combo
- Fixed issue where when resetting use counts for "All Cardholders" there is some difference in behavior when you have tenants or not. In the past we'd reset each individual card, however Mercury supports a way to reset all cardholders on a panel in one call. If this method can be used (you're not using Tenants and you click on the All Cardholders node) it will be used which dramatically speeds up the process. This is not supported for zeroing out the cardholders so in that case it will still execute card by card.
- Fixed issue where Global Access Level group grid does not filter out non-mercury doors/elevators
- Fixed issue where When using multi-edit on Isonas Doors, the Wiegand Input is always enabled
- Fixed issue where SQL Error when TKE and KONE access levels point to the same door
- Fixed issue where Remove From Service does not work when time is set in seconds
- Fixed issue where SSP-LX does not show the option to use 128 Access Levels per card
- Fixed issue where Control Door "Door Mode" button shows "Edit Gateway" when door does not have a mode set
- Fixed issue where Card Format Facility Code in Personnel Record must always be ≥ 0
- Fixed issue where Morpho Password not saved in Database
- Fixed issue where Template creation is not handled for default cases
- Fixed issue where Editing a macro from the Trigger Dialog could result in an incorrect Macro being edited.
- Fixed issue where Timezone status maintained in the Driver would not handle time zone 255
- Fixed issue where Deactivate Existing Cards on New Card shows Disabled Lost
- Fixed issue where Visual Themes not properly implemented in BCG grids
- Fixed issue where Existing Templates fail to save after editing
- Fixed issue where Changing Templates from the Template drop down list in doors, outputs, inputs, readers properties fails
- Fixed issue where Ensure an audit is created when adding a new Personnel Record with just minimal data (last name, first name)
- Fixed issue where NSC200 shows only 2 Output Points when first added
- Fixed issue where Engage site node in the hardware tree would sometimes show a status indicator, and it was offline
- Fixed issue where If ACT ID option was installed but disabled for current operator it would still be activated when using the default button press
- Fixed issue where Add support to the Site config tool for the new Visual Themes to match DNAFusion
- Fixed issue where Card Tree shows name on cards instead of Card Number
- Fixed issue where Default toolbar still referenced Text Messaging option, which was removed in 7.8.0.21
- Fixed issue where DVR Properties Dialog does not display the "Show Password" check box correctly (esp. with themes)
- Fixed issue where Global Access Level Controller drop list is not following Operator SSP list

- Fixed issue where AutoExpire utility fails for cards used beyond the selected days more than once
- Fixed issue where Otis Integration: Floor names are out of sync with Floor Offset
- Fixed issue where SQL Script to update DVR_Cameras when there are over 2047 cameras would not run during upgrade process
- Fixed issue where Report Schedule Configuration issue when Alarms item is selected
- Fixed issue where Added code to this issue to fix a problem with editing camera properties on cameras number greater than 2047
- Fixed issue where Ensure that ASSA Processing only occurs on Site 1
- Fixed issue where Removing an SIO could orphan monitor points assigned to an MPG
- Fixed issue where Multi-Edit of cards when using ASSA will not update the cards when you change the Activation/Deactivation dates
- Fixed issue where Fixed another issue with cameras numbered greater than 2047. This would affect the initial packed address when scanning for cameras.
- Fixed issue where Editing Holiday Types can result in an error if there are gaps in the types defined in the HolidayType table.
- Fixed issue where Changing the Action on Bosch or Engage Host Based Macro from the HBM Dialog (w/o loading the Build specific dialog) can result in out of sync Host Based Commands
- Fixed issue where Add permissions for the Non-Use Exclusion Date on the cardholder screen
- Fixed issue where Corporate Mode multiplier misaligned in Personnel Properties
- Fixed issue where Custom Report off the Personnel - Daily Card User report does not reflect correct Cards Per User settings
- Fixed issue where Camera Events showed the Stentofon Integration Icon in the Events Grid
- Fixed issue where Packed Addresses for events from the Camera Events Service are not being written correctly to Transactions Table - Fixing this allows event filtering by dragging cameras.
- Fixed issue where Changing Engage Door Name does not reflect in DB or UI
- Fixed issue where Station Status report causing a Logon Failed when run.
- Fixed issue where Card Tooltip does not reflect Card Type after Card Type has been edited in DNA Properties and selected for that card
- Fixed issue where Sub-Controllers Report selects sub-controllers outside selected site
- Fixed issue where Camera Recording Dialog crashes when name has quotes in it.
- Fixed issue where Engage Door Follows Time Schedule Allows zones greater than 16 to be selected
- Fixed issue where When adding photos via the Photo Properties Dialog it fails to just add the existing name overwriting the photo in slot one.
- Fixed issue where Promoting a SSP-C or SSP to an SSP-EP and it changes all the RSC-2 to RSC-1's
- Fixed issue where Peripheral Items will show on all sites in the hardware Tree
- Fixed issue where Personnel-Access Report does not work with Legacy Access levels
- Fixed issue where Error occurs when opening a cardholder if you have no enrollment options licensed (or access to any)
- Fixed issue where Help About can show ACM Plugin as licensed by expired when it's not really licensed at all
- Fixed issue where Personnel-Printed Badges Report shows non-printed audits
- Fixed issue where Readers Report shows OSDP readers as "Other"
- Fixed issue where Fix Engage - Battery Voltage Report Cosmetic Issues

- Text filtering does not work in the Manage User Groups option of the Personnel dialog initially until you change the Dropdown
- Fixed issue where Prevent new user from being asked more than once to be added to a personnel group - This could end up adding the card multiple times to the database as well.
- Fixed issue where Deleting a Tenant does not remove the records from the TenantDetail table
- Fixed issue where Multi-Door Mode Scheduling not working
- Fixed issue where Company data can get out of sync when multiple workstations are adding/removing company data
- Fixed issue where Replace "Momentary Unlock" with "Pulse Floors" for Elevators
- Fixed issue where Default ASSA Values not applied correctly when a new user is created but card dialog not visited at all

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Install

- Fixed issue where Description for the Data Extraction tool in the Built In Tools Menu is incorrect
- Added - Install/Update script could fail to create the Morpho Integration Tables
- Fixed installs MPGDetail ORM Column fix to ensure faulty data does not cause error
- Added the FlexEnabled column to the DNAOperatorProfiles column by default
- Added options to the install to force shutdown the DNAFusion client during install
- Updated all Utilities that rely on S3 to use new bucket/credentials
- Added version 3.20.12 firmware for Mercury Series 3 SIOS (RSC1, RSC2, and NSC200)
- Added support for /VERYSILENT and /SILENT to the full install
- Updated Engage Events that did not have description
- Added new Utility for examining Message Queues and purging if necessary (DNAQueue). Part of the Built-In Tools
- Updated DNAAgentConsole version to ensure the latest version is installed and uses current IPWorks support files.

Isonas Driver 1.1.0.38

- Added ability to adjust the DPOS circuit to normally open or normally closed on a door by door basis
- Changed Holiday Processing to allow any duration of holiday

Engage Driver 1.1.0.25

- Changed logic when verifying Gateway Login to ensure we reset internal database credentials if Gateway has been manually factory reset
- Newly discovered Doors will always be set to site 1, which is a problem if you have multiple sites
- Improved the logging so that it's easier to parse, esp. on large sites
- Ensured database configurations are not pushed to IP Gateway for a device that is offline
- Door Linkage to IP Gateway is only updated when the Engage Driver starts
- Changed Engage Door Name to reflect in DB & UI
- Removed a bottleneck in the message processing of the Engage Driver that could delay important commands (door control)

- Introduced configuration consolidation for credentials to reduce the number and time for downloads to occur
- Added Keynumber, FacilityCode, and CredentialFormat to the Engage.DoorCredentials table in case site has not updated to 7.8.0.21
- Fixed issue where unlinking a Door via the UI will result in removing all Engage doors from all Access Levels (Engage.Levels.Doors)
- Removed unnecessary single credential downloads created mostly via the DNAIssueCommands mechanism
- Added logic to force the driver to re-download all credentials to a lock if event 7156 (User Limit Reached) occurs
- Fixed issue where having a time schedule > 16 can result in an invalid schedule block being downloaded to a lock. It would create a 17th entry.
- Added support for new Engage Events 7169, 7171, and 7173. These added since original integration created
- Minimized thread contention for door control commands – they are now serialized through main communications loop
- Added support to ensure that if lock has a lock down removed, it restores the door mode in effect at the time of the lock down
- Improved the locking mechanism used in Engage HTTP Handler
- Added a daily settings update to all doors to ensure the time is in sync with the server

Camera Events 1.1.0.1

- Updated Camera Event Driver to work with new Milestone .Net Integration. Also update Avigilon and Milestone SDKs to current versions
- Changed how the camera IDs are stored in transactions by the Camera Events service to allow viewing Live/Archived video from Events Grid

Batch Printer 2.4.0.7

- Fixed issue where Batch Printer adds a card 0 to Personnel Records that had no existing cards associated with it.

VERSION	7.8.0.21
RELEASE DATE	September 25, 2020
MERCURY FIRMWARE	1.29.1.0633 (SSP-D2, SSP-EP, SSP-LX, DController)

Improvements

- Added downstream channel check for SIO/door capacities before promoting SSP
- Added extra error checking on hardware when checking disarmed state for receivers.
- Added DED Card Swipe option to kiosk in the Thyssenkrupp Integration
- Added capabilities to BugSplat utility to gather DnaFusion installation data during crash reporting.
- Changed Trace History grid control to match other grid UI in the application.
- Added feature to keep users from using blank passwords.
- Added operator/operator profile report.
- Added audit entries for alarm logging dialog.
- Added Hanwha WAVE Video Integration.
- Added support for Mercury Time Schedule Mode 5.
- Upgraded the Mercury DLL to version 4.7.1.26 (Latest)
- Added Email and HTTP request direct commands
- Added Access Levels Description and Type to Personnel Card Information UID custom report
- Added ASSA Doors to Not Used custom report
- Add support for Issuing Free Passes via the Direct Command Interface
- Improved Where Used to report HBM usages for SSPso.
- Added ability to promote an EP2500 (SSPEP) to an SSP-LX (LP or EP)
- Added functionality to support Mercury Driver 4.9.1.26 features to filter Capture to specific SSPs (up to 10).
- Changed logic around "out of sequence" events from ASSA to avoid potential that lock can show incorrect sync status after removing a lock down
- Added a utility that will make editing the LogInfo.ini or DNALogInfo.ini much easier without having to edit manually in Notepad.
- Made built-in SIO optional when promoting SSPs.
- Updated IPWorks libraries to 2020 versions (Ipworks, Encryption, Zip)
- Updated BCG Libraries to latest version (30.4)
- Removed the Carbon Theme from the visual choices as it did not work well with certain dialogs.
- Updated the list of Themes supported in DNAFusion
- Added the ability to automatically assign card formats when creating a new control.
- Removed the Text Messaging Options and Locate option from the operators browser.
- Added reader mode to the Convert Macro function
- Added additional exception handling around certain functions when adding cardholder to a personnel group.
- Added new "Built-In Tools" launcher to DNAFusion client.
- Downgraded .Net Requirement for DSR Resync Utility to 4.5.2
- Expanded the size of the HTTP payload on Host Based Macros to allow 4000 bytes rather than the 102.
- Added Department and Title to Event History report as a selectable option.
- Added Host Based Macro to the Engage IP Gateway.
- Added Salient restful integration.
- Added Default Ext. Mode To Privacy For New Aperio Doors.
- Updated to BCG Version 30.51
- Upgraded Exacq video integration to latest SDK (v1.45.0)

- Integrated WaveLynx Mobile Credential lookup into Cardholder enrollment process.
- Added dormakaba Wi-Q Lock Integration (via Mercury).
- Added Life Safety Power/Mercury Integration.
- Changed Auto Activate so it reverts card type to Normal if it's been set to Disabled
- Created Personnel Audits custom report
- Extended Max Number of Cameras allowed from 2047 to 8191.
- Removed InfoReady references from the Events Grid Columns
- Expanded Allegion Engage integration to allow 1023 gateways.
- Added ability to edit DD Elevator flags when system is licensed for multiple disparate systems (i.e. Kone and Schindler). An exception to this is you can't have TKE and Otis together because they use some of the same fields.
- Added ability to save Batch Printer settings per computer station
- Changed the default Visual Theme to Visual Studio Dark
- Removed error message when assigning ASSA Level with no doors from Access Level Group
- Added logic to work around maximum date allowed (12/31/2037) in DSR
- Adding and Removing Groups via the 'Manage User Groups' no longer causes large delays or appear to lock up the system
- Disabled Video Exports menu under Help/DNA Directories if Exacq is not licensed
- Ensures that when using one to many custom fields the user is prompted to save if changes have been made and they close the dialog
- Expanded the size of the Host Based Macros drop down on the ASSA Access Point Dialog so user can see more of the description
- Added IP Address and Short Serial Number to the Engage Gateway Report
- Added LED Mode to the OUT Door Properties
- Added support for Engage Gateways, Doors and Isonas Doors to the Host Based Macro Where Used Dialog
- Added an Engage Door Battery Report

Hot Fixes

- Fixed the status bar display issue when the option to turn off alarm counters is enabled.
- Fixed the issue where users could add more than 127 holidays, which is the Mercury limit.
- Fixed elevator setup issue that allowed the same reader on both primary and biometric readers
- Resolved exception raised when adding a personnel record with badging enabled.
- Fixed issue where the time schedule activation and deactivation dates could not be disabled.
- Fixed issue where If you promote an SSP-C to an LX that has an RSC-2 sub-controller assigned it looks like when it is promoted it loses the attached RSC-2 and the RSC-2 is added as an onboard SIO
- Fixed issue with random crash in select active card dialog.
- Resolved issue where global email wasn't always created during initialization.
- Fixed issue with ASSA Door License limits were not being followed correctly.
- Fixed issue where direct command Editor doesn't always show newly added commands.
- Fixed direct command editor that was showing incorrect error message when modifying password.
- Fixed incorrect context menu images.
- Fixed issue where show access level usage lists both the group and the system levels in the grid.

- Fixed issue where editing escalation actions could cause DNA to crash.
- Fixes issue with deleting escalation actions.
- Fixes issue with time schedule sets and engage locks.
- Fixes issue where time schedule tree would collapse during drag and drop.
- Fixes issue with operator and host status reporting incorrectly.
- Fixes issue where icons could be incorrect after using "Copy To Set" function in the time schedule browser.
- Fix issues related to Email Addresses in the Operator Browser
- Fixed issue where Event History report was using the wrong custom field data.
- Fixed issue with personnel custom fields are not always saving correctly.
- Fixes issue where Honeywell sub-controller didn't show up in available list.
- Fixed issue with certain DNA installation parameters not working.
- Fixed issue with dark themes on SSP Status Page.
- Fixed issue with inconsistencies between the station status shown in the operators browser and the station status report.
- Fixed issue where DSR Utility did not support older style of specifying the port after the IP in the URL.
- Fixed issue with HandKey II reader not showing in the RSC2 Series 3 list of readers.
- Fixed issue with DSR Sync Utility not handling URLs with the port appended to the address (needed for Legacy support).
- Fixed issue where removing host based macro did not remove the reference from associated hardware.
- Fixed issue with color icons missing from Situation Manager configuration dialog as well as individual Threat Settings dialog.
- Fixed issue where Internal Holiday add button was unresponsive.
- Fixed issue with custom fields setup dialog when using dark themes.
- Fixed issues where DIP switches on the controller status dialog weren't read only.
- Fixed issue where launcher would raise an exception when the Bonjour service was not running.
- Fixed issue with readers report failing to open.
- Fixed issue with EntryPoint error codes not always reporting correctly.
- Fixed issue with personnel fields were missing from audits.
- Fixed issue where refreshing DSR door status from the context menu resulted in incorrect lock states in the UI.
- Fixed issue with station license counts showing incorrectly.
- Fixed issue with OSDP in out reader selection.
- Fixed issue where adding a user to a group via the "Manage User Groups" did not refresh the group node on the personnel tree.
- Fixed issue where DVR Server ID was not set when a camera is invoked from a View Container on a Graphic Maps
- Fixed issue where sub-controllers wouldn't show up in drop down list on M5-IC and MS-ICS controllers.
- Fixed issue with BatchPrinter not working correctly with Magicard 600 printer
- Fixed an issue with ASSA Access Point Status becoming out of sync (i.e. showed locked when it's locked, etc.) with the DSR/Lock
- Fixed an issue when Personnel Group default levels are applied to newly added Person

- Fixed issue where adding new Group Levels to a Personnel Groups Default Access Levels the Icon was initially showing as Legacy
- Fixed an issue with facility code being reset to 0 when changing Facility Code Mode
- Fixed an issue where operator transactions only show when coming in live, but not refreshed from the database running Operator SSP Lists or Tenants.
- Fixed an issue with adding new cards where the hot stamp could be set incorrectly if the new card was greater than 32 bits
- Fixed issue where macros could still be added or edited when the read-only user permission is selected
- Fixed issue with card trace history not showing card auto-activated events.
- Fixed issue with Engage WiFi Door descriptions not updating in the hardware tree when changed.
- Fixed issue where MP: Arm action wasn't being saved on Host Based Macro.
- Fixed issue with Engage Door Tooltip entries being repeated for Battery or Wifi events.
- Fixed issue where removing an Access Level with Kone DOP would leave the system in a state where a user is unable to delete the Kone DOP.
- Fixed issue where SQL explicitly referencing the DNAFusion database in a few places.
- Fixed issue where New Elevator with Floor Selector Type sets description of its Input and Output points to its Description
- Fixed issue where Graphics maps shared on the network can fail to open if multiple clients attempt to open simultaneously
- Fixed issue where Elevator with Floor Selector Type not updating Input Points correctly
- Fixed issue where Controller Default Card Format not working
- Fixed issue When creating a door the Output assigned to the Strike is corrupting the Packedaddress field in the OutputPoints table by removing the SIO information
- Fixed issue with Card View Tab- Can miss showing cards it should, incorrect card type, does not reflect expiration status.
- Fixed issue so the operator can no longer drag hardware to the events grid and filter if the user right for filtering events is turned off
- Fixed issue where Newly Added Aperio Hub displays Input and Output Points on the Hardware Tree.
- Fixed issue where Adding a new Macro wiped out controls in parent dialog when using Office 2013 Grey Theme
- Fixed issue where deleting and adding Auto Unlock and First Card Unlock triggers can end up with events showing an incorrect description
- Fixed issue where adding new Mercury Doors could cause duplicates to show in the Tree (until node was collapsed/expanded)
- Fixed issue where Printed Badges report has Database name hard-coded to DNAFusion
- Fixed issue where correct image of Built-In controller for the MP02 on the SIO properties page
- Fixed issue where Convert To Legacy Access Group grid contains wrong data
- Fixed issue when showing the members of a old fashioned Mercury Access Level ensure that we also show when they've been assigned via a Legacy Access level Group

- Fixed issue when causing Double Notification when Exporting to a CSV file in "Has Access To..." and "Trace History" Dialogs

Install

- Updated Firmware for LP Series panels as well as most SIOs.
- We now install Smart Inspect by default on a DNA Installation
- Added LicInfo.exe to the install (Tools folder) to allow operator to easily obtain their DNA number.
- Updated the Batch Installer to use the new BCG support files.
- Added our revamped AutoExpire utility to the Install. This is available from the Built-In Tools Menu in DNAFusion
- Added Database Compatibility Check To The Install Process
- Standard install now updates the OmniKey print DLLs if they exist so it's in sync with latest Badging Support
- Added DNA Time & Attendance utility install.
- Added DNA Muster Utility install.
- Updated and Refreshed all PDF manuals (Manuals Directory) to the latest greatest

Engage Driver 1.1.0.9

- Replaced Telerik DataAccess with Entity Framework 6.4
- Fixed issue where status does not correctly display on Engage sites greater than 1
- Added host based macro support for online and offline gateway events.
- Expand the number of supported gateways to 1023 from 255
- Empty Schedules for Engage Locks will cause higher number schedules to not work correctly
- Camera ID not being stored in Door Event
- Engage fails to scan unlinked doors when there are "le" doors
- Fix issue with creating initial site - Database Error causes it to fail

ThyssenKrupp Driver 1.0.0.17

- Fixed an issue with incorrectly determining if a Kiosk Supported Call Registration when using DED Card Swipe

Schindler Driver 1.0.0.6

- Changed logic handling the Live Reporting Events so dates are assumed in local mode.
- Removed references to HotStamp column in the Keycards table as it has changed.

OpenDX 6.36

- Add ability to schedule (via INI) packages to run every so many hours or minutes

VERSION	7.7.0.86
RELEASE DATE	March 31, 2020
MERCURY FIRMWARE	1.29.1.0633 (SSP-D2, SSP-EP, SSP-LX, DController)

Improvements

- Improved logging around removing users from authorizations in multi DSR environments.
- Added new feature when adding an ASSA level to a group of cardholders improve how exceptions are handled and reduce chance of a small number cancelling the entire update
- Added an option to ASSA to allow regeneration of user guides when running the DSR utility. Default options is not to generate them. Previously new guides were always generated.
- Added option to confirm all unconfirmed ASSA access points in one-step.
- Expanded the events supported by ASSA the DSR (1258-1276)
- Added allow setting to time threshold for card swipe events used with KONE and TKE Elevator Dispatch to be turned off.
- Added additional logging for the Trace History Info Ready report to aid in troubleshooting SQL issues.

Hot Fixes

- Fixed issue with legacy Bosch and DMP alarm state is not being updated properly. This caused an issue with the hardware tree and graphics maps to not consistently display to appropriate state.
- Fixed issue with door auto unlock template.
- Fixed issue where newly created ASSA levels would not allow new cards to be assigned to it in some cases.
- Fixed issue with personnel records not showing created date when first created and saved.
- Fixed issue where Engage Time Schedule count per set limit was incorrectly set.
- Fixed issue with removing ASSA credentials from an authorization that has no authorizations (in the DSR) would generate an error message.
- Fixed issue with some reports failing to load and would who "Logon failed" error.
- Fixed issue where override card was not enabled if editing multiple cards.

ThyssenKrupp Driver 1.0.0.15

- Added Additional logging around low level port access to better troubleshoot conflicts.
- Added Holiday Support for Time Schedule evaluation.

VERSION	7.7.0.81
RELEASE DATE	March 17, 2020
MERCURY FIRMWARE	1.29.0.0632 (SSP-D2, SSP-EP, SSP-LX, DController)

Improvements

- Changed "Use DSN Default Properties" to true for all reports.
- Support added for Engage "Credential Functions" to global access levels. (This will have an enhancement bulletin)
- Added support for call registration support to the ThyssenKrupp integration this is used for turnstiles with a cardholder having a default floor. (This will have an enhancement bulletin)
- Upgraded Avigilion integration to work with ACC7.
- Added better error handling around the conversion task in the driver that takes v5 transactions and converts them to v6.
- Added ability to have a default master group on for Schindler integration.
- Improved exception handling around Custom Repeatable Queries.
- Added elevators to door subgroups.
- Improved speed of assigning ASSA levels to personnel groups that had a lot of members.
- Improve handling of external messages sent to the DNAFusion client.
- Added additional client information to bugsplat crash reporting.
- Added additional error handling around the process of loading floors into our hardware cache.
- Improved code during driver shutdown to reduce certain crashes while driver is shutting down.
- Added tooltips to who has access dialog so you can see how many records were filtered out of the result set.
- Improved the way large cards encodings are decoded when the card is not in the panel.
- Added addition day choices (up to 365) for non-use report.
- Change the frequency of calling the ping usage in registration com object.
- Added more exception handling for creating a download command record.
- Added exception handling for updating badge photos.
- Local SSP Web Login not always working. Needs to create an external one instead.
- Added exception handling for populating the video browser tree.
- Removed unnecessary check for hardware key expiration.

Hot Fixes

- Fixed issue where sub-controllers report had hardcoded references to DNAFusion database.
- Fixed issue where FlexAPI does not update the Start/Stop GMT date values which can result in incorrect behavior in some cases.
- Fixed issue with removing an Engage level from a cardholder that could result in cardholder being removed from the controller.
- Fixed issue with editing group cardholders where activation data was not saved.
- Fixed issue where auto unlock macro would display to wrong mode when editing.
- Fixed issue where ASSA levels that were part of a personnel group default access levels were not being assigned when a person was added to the group.
- Fixed issue where large client message packets being sent to clients could cause issues in the driver while being processed.
- Fixed issue with restoring archived alarms.
- Fixed issue where some hardware property dialogs wouldn't show all host based macros depending on the macro type.
- Fixed issue with trigger dialog where certain properties were disabled incorrectly.
- Fixed issue where custom fields were not being saved to the Badging Fields table when custom fields were added or removed.
- Fixed with downloading time schedules to older Honeywell panels.
- Fixed issue when editing an existing Bosch user fields on dialog would not populate correctly.
- Fixed issue where Bosch users were not downloaded after changes were made (Bosch Driver 1.2.0.5 or higher required).
- Fixed issue with Bosch passcodes where leading zeroes were not accounted for.
- Fixed issue where parameter data was not always shown on certain machines when creating a custom report.
- Fixed issue where the setting for "Use Long Tenant Name Format in Browser" was not being saved.
- Fixed issue where logoff/logon via HBM caused DNAFusion to crash.
- Fixed issue where enable web support was not saving in the Site Configuration tool.
- Fixed issue with Logoff/Logon via HBM would cause DNAFusion to crash
- Fixed issue where default reader templates were being improperly imported from file to database format causing them to not work.
- Fixed issue with input points not being freed when elevator type is changed to No Feedback.
- Fixed issue when Engage momentary unlock menu item is placed on toolbar and user clicks on non-engage door.

ThyssenKrupp Driver 1.0.0.14

- Added support for Call Registration functions.

Engage Driver 1.0.0.30

- Added support for Engage "Credential Functions" to Global Access Level groups and fixed issues with Serialization related to new NDE and LE model numbers.
- Added logic to create missing database fields on startup to ensure new driver versions work with older DNAFusion versions.
- Added logic to ensure if there are multiple versions of the firmware for a lock it will pick the most recent version.

Bosch Mode II Driver 1.2.0.5

- Fixed an issue where downloading users to a panel resulted in a database error.
- Fixed an issue when editing users would result in database exception.
- Added support for updating all panels when a user's passcode/group/name is changed in the UI.
- Fixed an issue where the driver did not support fixed length passcodes starting with '0'.

VERSION	7.7.0.67
RELEASE DATE	February 5, 2020
MERCURY FIRMWARE	1.29.0.0632 (SSP-D2, SSP-EP, SSP-LX, DController)

Improvements

- Bug Splat Crash Reporting Integration.
- Add support for additional Mercury settings for Escort Timeout and 2 Card Timeout.
- Add support for handling Schindler Elevator downloads within web client.
- Modified Host Based Macros (Execute Host Macro List), allow the macro that calls the others to be executed with no Action set when host based macros are chained.
- Added Missing PIV events to install/update scripts (356/357).
- Expanded the size of HTTP parameter for post data in host based macros to allow for more data.
- Added a replaceable parameter for ISO-8601 dates to be used. Mainly for XML Post data in HTTP Host Based Macros. (%CAPDATE%)
- Change the way post data for HTTP Host Based Macros is encoded so that we can use XML in the post data.
- Add ability to alter the Schindler live reporting IP port – the default port 60.
- Minor photo recall UI enhancements.
- Added Allow Override to support to paired doors.
- Added logic to verify sub-controller MAC & IP addresses are unique.
- Added 'Remove Lock Down' or 'Momentary Unlock' options on ASSA objects on the graphics maps.
- The advanced Page of the SIO Properties now makes more sense when using elevator continuation.
- Modified controller properties for the MP02 to handle memory configuration more like the 4502 (i.e. 8MB, 16MB, and 32MB).
- Removed the daylight savings checkbox from the Isonas Door Control Dialog since it is not needed.
- Increased the size of the sub-controller host name buffer.
- Improved the address validation for both MAC and IP addresses when setting up NSC-100 or NSC-200.
- Allow individual passwords on Direct Commands.
- Improved free pass event descriptions to include more detail.
- Added user alert if a door subgroup name is too long.
- Added feature to allow times schedule sets to be changed in mass on Global Access Levels for non Mercury Doors (Isonas, Engage, etc.).
- Added Where Used functionality to Assa doors.

- Created an Operators SSP Lists report.
- Improved the status logic used for ASSA doors when the driver starts up or a DSR goes offline or online.
- Completed integration for latest Morpho Manager version.
- Add support for SSL/TLS encryption to the ASSA Integration.
- This can be turned on during the DSR install as well as through the DSR Support Tool interface. This is not the original WS-Security, which was not supported in our integration but a newer model based on SSL/TLS.
- This will require the DSR to be restarted after the setting has been applied DNA will also need to be updated as well. If the DSR was already created without this setting you'll need to restart the DNA Driver.
- Replaced Personnel Has Access grid control.
- Added the ability to refresh the door status for all doors on a DSR from the DNAFusion client.
- Increased the size of the filter dialog size to allow for more information to be displayed.
- Expanded the size of the PIN digits on the personnel card tab to allow longer been codes to be displayed correctly.
- The Series 3 controllers load firmware a little differently. We changed the logic in the controller status page to better reflect what's going on.
- Mercury Zero Conf - Utility columns are now sort-able with column header click with a default of the MAC Address.
- Mercury Zero Conf - Selected rows can now be copied to the clipboard with CTRL+C (select all with CTRL+A).
- Change all licensing references from openoptionsinc.com to ooaccess.com.
- Changed event text for Double Swipe so it was easier to understand.
- Added support for timed events in the ASSA integration.
- Expanded the maximum size of operator password to 60 characters.
- Add Temporary Override modes as an option when scheduling Auto Unlock on a door.
- Added permission for Bosch settings being displayed when double clicking the Bosch root node.
- Updated hot stamp column in the database to accept 64 bit numbers.
 - a. **Note: The Hotstamp column is now changed to numeric(18, 0), same as the KeyNumber.**
 - b. **Customers will need to update OpenDX to 6.29 as well if they import large Hotstamp numbers.**

Fixes

- Fixed issue where secondary OSDP readers were showing up in the hardware reader tab.
- Fixed issue where AP02/MP02 not downloading cards correctly when using 128 access levels. This was also affecting activation/deactivation dates.
- Fixed issue with Simulated Card Read in Direct Command editor would not accept a card number over 32768.

- Fixed issue with Bosch, Isonas and Engage alarm priorities not reflected in the alarms grid correctly when set via hardware properties.
- Fixed issue where Alarm Info (Alarm Text) for Bosch, Isonas, Axis, and Engage not being reflected in the alarm info box on the alarms grid.
- Fixed issue with alarm priorities for individual DMP/Bosch Peripheral items not being reflected in the alarms grid.
- Fixed issue where Cards in Corporate Mode didn't update automatically.
- Fixed issue with Custom Personnel Card UID report does not filtering on Access Levels.
- Fixed issue where incorrect station number was recorded in the events grid on station level events.
- Fixed issue when wrong data entered in the Personnel Custom Fields would cause an error dialog to popup multiple times.
- Fixed issue where Trigger/Macro Mover would allow a user to create more triggers than had previously been allocated on the SSP.
- Fixed issue when using a floor offset with Otis Elevators. The floor index in floor Groups now reflects the floor offset.
- Removed the checkboxes and driver flags for "Don't Change Use Count" and "Don't Change ABP Count" for a cardholder.
- Fixed issue where photo recall did not work in some cases due to incorrect flags being set on the transaction.
- Fixed issue when adding a PIM400-485 to a MP02 controller that caused a NAK on downloads.
- Fixed issue when resetting a cardholder's use limit it was being set to unlimited uses.
- Fixed issue where updating use limits on a single SSP all SSPs would be updated.
- Fixed issue where setting use limit with on personnel groups did not calculate the affected SSPs correctly.
- Fixed issue when setting Use Limits with "Create Single Event" caused multiple events to occur.
- Fixed issue when auto deactivation is used and the card page is open, the active card would get out of sync with database.
- Fixed issue where changing an SSP description was causing the whole hardware tree to refresh.
- Fixed issue with panel memory in the controller properties is not updating properly.
- Fixed issue where first name would occasionally not show in the events grid for Peripheral Events (DMP/Bosch Legacy Drivers).
- Fixed issue when removing the last PIM/Salto/Vanderbilt SIO from a Mercury controller would leave the MSp1 port in an invalid configuration.
- Fixed issue where EP4502 and MP02 did not properly handle baud rates on the 2nd port.
- Fixed issue when removing a Mercury SIO. The SIO would not get removed from the driver cache item. This would result in incorrect event text when a new item SIO was added.
- Fixed issue where adding SIOs to an MP02 the non MSP1 protocols were not being correctly handled in the UI.
- Fixed issues with editing multiple personnel records.

- Fixed an issue where right clicking and choosing properties on certain hardware in the events grid did not bring up the properties dialog.
- Fixed issue with global access group CSV export putting everything into one column.
- Fixed issue where alarm history report does not filter correctly on operators.
- Fixed issue with the legacy repeatable query dialog didn't allow alphabetical company name.
- Fixed the logic in the driver to allow PSIA client logons to be downloaded correctly.
- Fixed issue with Schindler info ready report did not handle card numbers larger than 32 bit.
- Fixed issue with occasional system crashes when populating the MPGs in the hardware tree.
- Fixed issue where access areas and MPGs did not properly update on remote clients.
- Fixed issue with removing card from the card page that would cause exception.
- Fixed issue where deleting elevators did not correctly free up the associated points & readers.
- Fixed issue when creating a trigger, the edit macro button needed to be disabled.
- Fixed issue where ASSA door control dialog did not correctly follow operator privileges.
- Fixed issue with where used report not working correctly when output points are tied to a host based macro.
- Fixed issue when setting up a trigger. The trigger codes section is now disabled if the controller does not have "Store Trigger Codes" enabled.
- Fixed issue where changing various door info properties on HDW ACM tab made door unavailable.
- Fixed issue on sub-controller report where IP and MAC values for IP based sub-controllers did not display correctly.
- Fixed issue with elevator tree in the HDW ALL tab does not properly refreshing.
- Fixed issue with BACnet command not being issued on when a controller was updated.
- Fixed issue with filtering on activation dates with certain door types.
- Fixed issue with changing IP address on existing controller.
- Fixed issue with running either TKE or Kone. Doors tied to a Kiosk/DOP didn't download with the "Log All Requests as Used" flag.
- Fixed issue where user could select non mercury input points when creating an MPG that would cause issues when saving the MPG.
- Fixed issue where DNASTatistics table did not update when DNAFusion application was exited.
- Fixed issue where logon time was wrong in station status report.
- Fixed issue when editing ACR override on multiple doors would not prompt for a controller reset.
- Fixed issue with ASSA - When adding users to an authorization error messages would occur and cause confusion if using multiple DSRs where some didn't have a door in the authorization.
- Fixed issues with occasional DNAFusion crashes when restoring archived data.
- Fixed issue where host based macro setup dialog showed the wrong information on free pass.

- Fixed issue where copy grid to clipboard copies in HTML elements instead of comma delimited text.
- Fixed issue with complicated hot stamp validations.
- Fixed issue where the incorrect date in exported to the CSV file from Where Used Access report.
- Fixed issue where database flag for use tenant SSP lists was not being set if a user adds an SSP to their tenant SSP list. On new installs this would cause issues on filtering out tenant SSPs when the client was restarted.
- Fixed issue on door control dialog where pulsing elevator floors pulses all floors and not the floor that was selected.
- Fixed issue with event history report not displaying the right data when using tenant filters.
- Fixed issue where corporate cards were automatically inserted with the number 1 as the card number.
- Fixed issue with PIV related controls in personnel card page not rendering correctly.
- Fixed issue with internal schedules that would cause them to evaluate their active status incorrectly.
- Fixed issue where user was unable to remove a host based macro from an internal time schedule it once it had been set.
- Fixed and issue with random error when editing a host based macro. In some cases this could result in leaving incorrect data in host based macro.
- Fixed issue where arming a door with the door held open does not reflect the correct event (Door Held or Forced depending on state).
- Updated install for internal support DLL for SQL Connectivity testing during the install to reference SQL Native Client 11.
- Install no longer allow Windows Home versions.
- Installer removed references to AXIS from the default HTML install.
- Added additional support to install for handling TLS 1.2 connections to the SQL Database. Update SQL Native Client if it's deemed too old as well as set appropriate registry settings if -TLS12 switch is used.
- Updated the MR51 addressing utility in the install to the latest version.
- Updated the default SQL 2012 Express install to SP4 in the installer.
- Updated the DSR Utility Install to use 1.8.0.8 which is compatible with DSR v8.
- Added additional card format support for DSR 8 to the install.
- Changed the default driver used for the DNARports ODBC connection to use the SQL Native Client rather than older SQL Server client.
- Ensured that the Registry Key (RemoteAccessEnabled) originally needed on Server 2016 will also be applied to 2019 and above.
- Added version 1.29.0.0630 Mercury firmware for all appropriate panels.
- Fixed issue with elevator continuation logic put in back in November.
- Fixed issue where Mercury SIO Serial number not being stored in the database unless DNA Web functionality was enabled.
- Fixed issue where direct commands grid showed the address incorrectly if it was an elevator.

- Fixed issue with inputs & outputs properties dialog that could sometimes cause the dialog to expand beyond the screen limits when switching between various sub-dialogs
- Fixed issue when editing door templates that would result in hardware not found error message.
- Fixed issue with some of the ASSA dialogs and rectified a scenario where pressing ESC did not exit the dialog.
- Fixed issue where permissions for ASSA Related activities were implemented in some cases or not consistent in others.
- Fixed issue with ASSA Lockdown/Remove Lockdown status can be off because of an issue with the DSR.

OO SMTP Mailer 2.0.0.1

- OOSMTP Mailer – Fixed issue if no watch folders are defined the service would not shut down properly.

OpenDX (6.34)

- Fixed issue with excessive license checking on startup to reduce occasional failures on some systems.
- Fixed issue where default card activation did not use the same values defined in the DNAFusion interface.
- Allow setting 64 bit HotStamp numbers.
- The size of fixed data elements in packages was limited to 40 characters. Expanded to allow up to 60 characters.
- Add more scripting support (StrUtils, DateUtils, SysUtils).

Isonas Driver (1.1.0.32)

- Reader times are now synced regularly rather than just when connecting as they tend to drift. Times are now synced every 3 hours.
- Accommodate the new data type for the HotStamp column in the Keycards table.
- Fixed issue where alarm priority override on hardware is not being obeyed.
- Fixed issue where reading large card numbers (i.e. BLE Credentials) on an R1 reader hooked up to an Isonas bridge would incorrectly read the card number.
- Added support for holiday sets.

Bosch Mode II Driver (1.2.0.2)

- Fixed issue where alarm priority override on hardware is not being obeyed.
- Fixed issue where initial status sent to clients when starting up driver wasn't always consistent.
- Added functionality for arm/disarm/bypass and various commands to be placed in a high priority queue to ensure they're delivered in timely manner when the panel is busy.
- Change the default event sharing mechanism from TCP/IP to MSMQ.
- Replaced Telerik DataAccess ORM with Entity Framework.

Engage Driver 1.0.0.28

- Fixed issue where alarm priority override on hardware is not being obeyed.
- Fixed issue with populating new gateways from Allegion Portal. We previously only populated up to 10 gateways.

VERSION	7.7.0.30
RELEASE DATE	September 19, 2019
MERCURY FIRMWARE	1.27.5 (SSP-D2, SSP-EP, SSP-LX, DController)

Improvements

- Host-based Macros can now be triggered by an internal time schedule
- Added Hardware Filter for Isonas Doors
- Made the "Who Does Not Have Accesses" report non-modal
- Reduced the excessive tree refreshes when saving Allow Override Cards or other door settings
- Added video integration with new version (10.50.0400) of 3xLogics SDK
- Created a unified modeless dialog for personnel repeating queries
- Added the functionality for when a user tabs from the IP Address to the End address on the Isonas Discovery Dialog the end address is selected and typing erases it.
- Operators can now filter an Access Level to see only Unassigned Doors
- The filter dialog for a site with no Mercury hardware now shows appropriate hardware
- Added the ability to support the "Special Holiday Mode" with Mercury (see attached)
- Added support for Mercury Extended Time Schedule command
- Changed logic in Batch Printer to allow badges with invalid photos to default to the default photo rather than erroring out.
- Updated DNA Install to include the latest Batch printer install in the tools folder rather than individual older files.
- The hardware tree is now consistent when selecting nodes and right clicking. The selection is now "blue" before right clicking.
- Added functionality when using PCProx reader for enrollment 1) allow same card within 5 seconds, 2) Allow it to work no matter what the foreground window is, 3) improve logging for troubleshooting
- Added the ability to have the Time Schedule drop down on an Isonas Door adhere to existing sorting options (i.e. Description rather than number)
- Changed the Internal Schedule Dialog so that the 'Save' button is only enabled when it's appropriate
- Ensured that adding/removing additional ASSA levels to an existing Legacy Access Level Group will properly add/remove those levels from anyone the Legacy Level was assigned to.
- Added support for Aperio Privacy Button, Escape and Return, and Deadbolt events
- When using 'Force LP Identity, changed the verbiage of the Port Labels to 1 and 2 Added support for Aperio doors that have an internal push button for Privacy mode.
- Added support for converting OEM codes from LP Series controllers as well as Auto Conversion of AP02
- Added support for visually showing the status of an Isonas Door that is in a scheduled unlock mode (Auto or First Card)

- Changed the initial focused control on the Time Schedule dialog to be the Description rather than mode (Customer Request)
- Added ability to disable/enable Isonas Auto Unlock/First Card Unlock from the UI
- User Groups Manager (Personnel Rec): Add Filter and Search functionality
- Internal Time Schedules are now cached to lighten the use of COM objects and Database Resources in some cases
- Changed install to ensure the COM+ Pool count for the NRegSvr component is set to 196
- Changed the handling of the UnstSys.dat and License.dat files in the NRegSrv to reduce the chances of contention when opening file

Hot Fixes

- Fixed an issue where using the Personnel Type column in the events grid, Access events can show an incorrect type in some cases
- Fixed an issue where the first new Time Schedule in a new Time Schedule Set is disabled
- Fixed miscellaneous issues in Batch Printer
- Fixed an issue where the ASSA DSR Card Format (H10302 (custom w/Sentinel)) as it incorrectly encoded numbers
- Fixed an issue when editing the "Custom Personnel" setting in Station Settings was not saving correctly
- Fixed an issue where if you right click a legacy access level and select add to group the dialog that pops up shows the Group Access Level id and not the actual name of the Group Access Levels
- Fixed an issue where Bosch panel types are not populated for a brand-new system
- Fixed an issue where the vacation date in Keycard does not update
- Fixed an issue when enrolling cards via the PCProx reader does not respect any default ASSA credential settings (Format, Facility code)
- Fixed an issue where "Who Has Access" on a Door Subgroup causes an exception
- Fixed an issue where LP-2500 Port label discrepancies - Should be Port 1/2 vs Port 3/4
- Fixed an issue where Door SubGroup not reflecting hardware filter status
- Fixed an issue when using Graphics Maps with Alarm Autoclear turned on, a point that is acknowledged before it returns to normal will show the RTN state
- Fixed an issue where third-party integrations can incorrectly change the Alarm State on Graphics maps when an event is neither an Alarm or RTN
- Fixed the handling of 26 Bit cards when using the Allegion OEM 200 USB reader in a printer
- Fixed an issue where Holiday Editor defaults the type to 'Disabled' when adding new holidays
- Fixed an issue to Disable "Force LP Controller Identity" option if dip switch 4 on controller is OFF
- Fixed an issue with changing card numbers not removing the original card from affected Isonas controllers.
- Fixed an issue where Host Based Macros - Changing the Door Mode from the main screen would not change the values of assigned doors
- Fixed an issue where Internal Time Schedules would be off by an hour when DST was not in effect.
- Fixed an issue when promoting a controller w/o a built-in SIO to one that has a built-in would assign the new SIO an incorrect number.
- Fixed an issue where Hardware Browser Context Menu for Door Arm/Disarm is not showing current state

- Ensured Monitor (Arm/Disarm) and Control point (Activated/Deactivated) menu states are properly shown
- Fixed an issue where invoking the 'Control' submenu on a monitor point or control point could cause random crashes.

Isonas Driver 1.1.0.28

- Added support for enabling/disabling Auto Unlock and Badge Unlock Time zones
- Added status for Isonas Doors to indicate whether or not the door currently has an auto unlock schedule active
- Fixed an issue where some denied access events were returning a denied event when in fact the door was unlocked
- Fixed an issue where Message Queue mechanism has unnecessary delays causing the queues to back up and be slow to dequeue
- Added support for events showing Isonas Doors entering/exiting scheduled unlock states
- Fixed an issue where Door status during a momentary unlock, Rex, or card access did not accurately reflect when the door cycle was complete
- Added support for the Override Card column to enable "Master" cards (in addition to the VIP it currently supports)
- Fixed an issue when Updating and Access Level could cause pin codes to not be downloaded

Bosch Mode II Driver

- Fixed an issue where event last name, first name is being cached incorrectly causing names to show up on events that do not belong

VERSION	7.7.0.17
RELEASE DATE	July 11, 2019
MERCURY FIRMWARE	1.27.5 (SSP-D2, SSP-EP, SSP-LX, DController)

Improvements

- Allow ASSA Doors to be included in the existing filtering mechanism
- Create a Host Based Macro Report
- Clean up and improve error handling around some of the card dialog logic to reduce chance of issues when the database has invalid value
- When running the DNA Install for the first time the user has to hit 'Next' twice to move past the licensing page
- When a user is installing a fresh copy of DNA it should not allow them to Select Local System Account on the Service Credentials page.
- When starting DNAFusion, permission issues with the Database, or COM objects will return more accurate and useful information.
- Add the functionality for the OO SMTP Mailer to the default installation of DNAFusion.
- Add Logic to the install to ensure operator cannot install a version of DNAFusion older than the current install with using the -REVERT switch.
- Add new Mercury Zero Configuration Tool that works with new Panels and NSC-200.
- Users need to be able to install a fresh copy of DNAFusion on Server 2019 without having to install .Net 3.5 manually. The installer now handles this.
- Starting up the Full Install could take a minute or more to show the initial dialog - Now less than 5-10 seconds.
- Add ability to customize the naming of holiday types to make holidays more intuitive.
- Add ability to discover Isonas readers on different subnet as well as directly query Isonas controllers not on current subnet.
- Upgrade BCG User Interface to version 30.00
- Add Disable LED on REX flag to Isonas Doors
- Change Isonas Tree behavior to allow showing Name first and optionally address (if using hardware sort)
- Legacy Access Levels containing ASSA Levels behave more like a Group Access Level
- Ensure external systems can signal Schindler that a Schindler Access Level has been removed

Hot Fixes

- Fixed an issue when Tenants are turned on, the Doors, Monitor, and Contact reports are duplicating doors on different pages.

- Fixed an issue when the user does not have permissions to an access level assigned to a card he's viewing; the expanded door view can be corrupted/invalid.
- Fixed an issue where group editing of cards can cause stop/start dates to work incorrectly.
- Fixed an issue when selecting Multiple Mercury Doors caused the permissions allowing access to the Door Control Dialog to be turned off.
- Fixed an issue where the 'Fail Secure' option on an RC04 Isonas controller was not saving to the database.
- Fixed an issue where the Access level browser floor groups didn't show up under the associated SSP unless the SSP has legacy access level assigned.
- Fixed an issue when editing a Mercury controller's Floor Names with a very long name can cause a SQL error.
- Fixed an issue where dragging a door to the personnel browser for precision access assignment didn't work.
- Fixed an issue causing the Engage Online/Offline Status to be inconsistent in some cases.
- Fixed an issue with Global Access Level Deactivation Date reverting from 2060 to 1960.
- Fixed an issue where Host Based Macros tied to cards did not work on non-Mercury Doors (Engage, Isonas, ASSA).
- Fixed an issue when entering very long Trigger Code descriptions would cause a lock up.
- Fixed an issue where the Download All, All Sites, and All Controllers checked randomly in the Download Manager dialog.
- Fixed an issue causing DNAFusion to lock up after closing Door Properties dialog of a door in Site 2 or greater.
- Fixed an issue allowing user to remove the "Always" Time Schedule when deleting multiple Time Schedules.

ISONAS Driver (1.1.0.25)

- Improved logging for offline batch process was too verbose for normal mode (filled up log files). This has been reduced to a more manageable level.
- Added the ability to discover Isonas readers on different subnet as well as directly query Isonas controllers not on current subnet.
- Improved allow credential number and PIN number to be the same (at least for the same credential) Issue IS-15.
- Created work around Isonas issue causing invalid PIN numbers to show event 55 - Not in card file when PIN number matches credential number on the panel.
- When a card is denied due to event 63 (Access Denied: Time), manually verify this in the host and unlock the door if necessary. This is to work around Isonas issue.
- Implemented logic to handle firmware updates for both application and co-processor.
- Added better error handling to the startup process around the Isonas Discovery Port.
- Added ability for user to disable the LED on REX.
- Fixed an issue causing IP Bridge devices to fail to connect in client mode.
- Fixed an issue with newly discovered controllers setting the LogComm flag incorrectly by default.
- Fixed an issue causing errors in panel downloads when using PIN codes.

- Fixed an issue where Invalid PIN entry would result in event 55 - Card not in file rather than 64 - Invalid PIN

VERSION	7.6.0.37
RELEASE DATE	June 3, 2019
MERCURY FIRMWARE	1.27.4 (SSP-D2, SSP-EP, SSP-LX, DController)

Improvements

- Improved download process following editing of Door Hardware and Elevators. There was an issue where all doors or all elevators were downloaded rather than modified door or elevator object.
- Added code to the driver to process the TransactionDB_Error*.sql files that are generated when there is an issue writing to the database.

Hot Fixes

- Fixed an issue where editing multiple points displayed a blank window
- Fixed an issue where door properties window was slow to show up
- Fixed an issue where Kone Access Levels did not show any Kone DOPs assigned to them when editing
- Fixed an issue that occurred after refreshing the events grid or after a fresh restart where peripheral events show "Station 2064xxxxx"
- Fixed an issue where Card Disabled types did not display
- Fixed an issue with Custom Fields not displaying properly
- Fixed an issue where Turnstile Doors Objects were left off the Hardware Tree
- Fixed an issue where Disabled Access Level Groups would show Disabled Legacy Access Levels instead of Doors
- Fixed an issue where the signature was failing to load when previewing or printing a badge
- Fixed an issue where ASSA Events were not always handled properly when there are multiple DSRs
- Fixed an issue with Personnel Reports failing when Company(ies) selected
- Fixed an issue where ASSA packed addresses were incorrectly set in the Transactions table

ISONAS Driver (1.1.0.14)

- Improved startup logic to audit time zones and force a download if there are any differences between database and audit

- Improved so the driver will only download a card "on demand" if it's determined the card should have access
- Improved accuracy by ensuring that when re-syncing time schedules, the existing time schedules are cleared.
- Fixed an issue where it was possible, using the Auto Host Grant option, to grant access when it shouldn't have been allowed
- Fixed an issue in Card Audit Logging where time zones 8,16,24,32 did not show
- Fixed an issue where editing holidays would not automatically download holidays on controllers configured to use Time Schedule Sets other than the default set.
- Fixed an issue with Door Position Switch reading backwards. This can be controlled with a global setting (ISONAS DPOSActiveIsClosed). If the setting is not there it defaults to 1.
- Fixed an issue that occurred when using "Do Not Pulse Strike" with the Rex it would send a door forced event rather than door open
- Fixed an issue where manually overridden access is not obeying holidays

VERSION	7.6.0.24
RELEASE DATE	May 8, 2019
MERCURY FIRMWARE	1.27.4 (SSP-D2, SSP-EP, SSP-LX, DController)

Improvements

- Now allowing client workstations to trigger both archive and restore operations provided the path is a network drive
- Changed wording on Floor Group Dialog to be more consistent

Hot Fixes

- Fixed an issue where restoring transaction data could result in SQL truncation errors due to inadequate field lengths in RestoreTransactionData table
- Fixed an issue on Custom Fields table creation when Type is "None" or on Type edit
- Fixed an issue where DNA crashes if you log out and back in
- Fixed an issue where updating SIO firmware can result in an incorrect model number (and hardware ID) being stored in the sub-controllers database
- Fixed an issue that occurred if a card record was open and you removed all access via the personnel tree by right clicking, the open record didn't reflect the changes
- Fixed an issue with Acknowledge All on Graphics Maps
- Fixed an issue where selecting multiple doors for who has access report displays an error saying 12 max was reached with only 11 are selected
- Fixed an issue with a peripheral item event is reported the state is being passed through as the card number
- Fixed an issue where cardholder start/stop dates entered on client in different Timezone than Server can cause incorrect access for new users

ISONAS Driver (1.1.0.6)

- Added logic to retrieve Firmware and Co-processor firmware on startup after controller comes online as opposed to just during an audit command
- Added logic to ensure that stored events do not trigger a manual override
- Updated logging around manual door openings to show the card number causing the override
- Added logic to trigger an "automatic" audit when a manual override is executed

VERSION	7.6.0.19
RELEASE DATE	May 1, 2019
MERCURY FIRMWARE	1.27.4 (SSP-D2, SSP-EP, SSP-LX, DController)

New Features

- Engage IP Gateway integration
- Support for Allegion RU/RM Solution (via the Mercury RSI Engage Gateway)
- Added the ability to add Mercury sub-controllers to the CASI M5IC
- Created an InfoReady report that shows all personnel associated with the Schindler interface
- Updated to the latest Mercury Security SDK
- Added command to Commission/De-commission doors in ISONAS
- Added “Cardholder Inactive/Active” InfoReady report for all cardholders as well as personnel groups

Improvements

- Removed the restriction on the Unlock command for Aperio doors
- Added Alarm Text as a replaceable parameter (%ALARMTEXT%) for emails
- Implemented drag & drop functionality for HBM’s to allow associating them to doors
- Added more functionality to the door subgroups. A new context menu is added to pop up a property dialog, and any changes will be applied to all the doors in the subgroup
- Changed the default value for time schedules on the ASSA “Who Has Access” report to be the description rather than the TS number.
- Removed ZeroConfig logic from DNA update service as it continued to spike CPU to 100% in some cases
- Made multi-edit mode buttons for cardholders consistent with those on Personnel pages
- Reworked how Series 3 SIOs are handled to be more flexible
- Added logic to prevent adding multiple Schindler profiles to a single card
- Added logic to driver to prevent old transactions from triggering TKE/KONE card swipe logic
- Added ability to update the “Last Used” data from card reads related to non-Mercury integrations

- Improved load times on the employee info page
- Changed the browser title to better match the currently-selected tab (triggers/macros, access levels, time schedules)
- Adjusted install to be more flexible on OS installations that may not have SQL Native Client 11
- Allowing on/off configuration of error messages associated with advanced camera call ups
- Added notes area in properties for readers, inputs, and outputs
- Improved “where used” door report to show use in Host Based Macros
- Updated the grid used for “where used” HBM report

Hot Fixes

- Fixed an issue where non-Mercury hardware does not show in the Cardholder Trace History when Tenants are enabled
- Fixed an issue where the size of the “Door Name” column on “Door Sub Groups” is too small. The problem occurred when a user added a door with a description greater than 50 characters
- Fixed an issue where deleting a door did not remove any door alerts associated with that door
- Fixed an issue related to converting OEM codes for LP Series panels
- Fixed an issue with CSV exports where they were incorrect if a column contained field delimiter or quote character
- Fixed an issue where Schindler Profiles were incorrectly limiting the count to 64 profiles
- Fixed an issue where the initial alarm states for Bosch Mode II hardware were not correct
- Fixed an issue where the Bosch Mode II integration did not handle Alarm States in graphics maps
- Fixed an issue where users couldn’t remove a time schedule from a non-default set if the default set had the same schedule ID in use with most third-party lock sets (Engage, Isonas, Axis, etc.). This could be either access levels or auto unlock uses
- Fixed an issue where removing a time schedule could result in an erroneous message indicating it's in use and can't be deleted when in fact it's not
- Fixed an issue where the Deleted Personnel table was incorrectly being created without an Identity column for User ID
- Fixed an issue where changing event grid columns would result in an erroneous Schindler filter being applied
- Fixed an issue where multiple OSDP readers on “On-Board” reader port were not working properly

- Fixed an issue where when selecting the “Door Override” option, users received an error suggesting an invalid mode was generated
- Fixed an issue where the multi-edit look and feel for personnel was inconsistent
- Fixed an issue where the DNA alarm service prevented SQL from fetching when the DNA Peripheral Messages table was empty
- Fixed an issue where when the alarm grid was active, toolbar buttons for Trace History, Launch Camera, and others would not update state unless the user right-clicked on an item in Alarms grid
- Fixed an issue where alarm escalation objects that used a priority of 15 could cause the driver to crash on startup
- Fixed an issue where the “Door Objects” page opened very slowly
- Fixed an issue where the Audit Report did not show the SSP that was reset for Audit Action 57
- Fixed an issue where if the operator didn’t have permissions to edit channels, a rights violation message would appear when right-clicking an SSP
- Fixed an issue where if a personnel groups’ default access levels included access level groups as well as normal (not group) ASSA levels, it could show extra ASSA levels as being selected and users would not be able to remove them
- Fixed an issue where assigning regular ASSA levels as defaults on a personnel group would fail when adding a new cardholder
- Fixed an issue where when after updating, data stamps fields wouldn’t update automatically
- Fixed an issue where the “Access Only” option for Trace History was not available for non-Mercury door hardware
- Fixed an issue where the “Access Level Usage” InfoReady report could show erroneous precision doors
- Fixed an issue where the Photo ID refresh button overlays badge preview
- Fixed an issue where the sub-controllers report contained missing or erroneous information
- Fixed an issue where AD-300 sub-controllers were being replaced by PIM400-485 upon SSP reset
- Fixed an issue in Access Levels view showing expansion sign (+) for parent objects without child objects
- Fixed an issue where removing a card did not generate an event trigger and added a corresponding event for adding a card
- Fixed an issue where icons for door objects not changing when released to SIO
- Fixed a minor display issue with Video View Manager

ISONAS Driver (1.1.0.4)

- Reworked internal communication logic to support large numbers of doors while minimizing CPU and memory impact
- Removed Telerik ORM (database access library) and replaced with Entity Framework
- Changed logic so that time schedules are not downloaded automatically when a controller comes online
- Rework logging to be more consistent and informative which will aid in troubleshooting.
- Changed Event 49 (Credential Read Error) so that the Event Data column would indicate which of the Isonas issues caused it
- Added new internal field to allow turning on/off some of verbose logging on a controller by controller basis which will be important on larger sites
- Added a priority system for Door Mode/Momentary Unlocks so that even if a large download is taking place those commands will be executed first
- Turned off the Firmware download in the driver since we currently require using the Isonas Configuration tool for firmware updates
- Added visual indicator when a panel has queued up configuration commands. The diamond status indicator will turn purple when this occurs.
- Added the ability to retrieve and store both main and co-processor firmware when a controller comes online even if UDP access to controller is not possible
- Added driver and U/I support for "De-Commissioning/Commissioning" controllers
- Ensured that hardware tree status is updated from online/offline (131 & 132) events as well as status as sometimes the tree gets out of sync.
- Fixed an issue causing Access Granted event 72 to be generated with the door is actually unlocked. It will now send event index 52, Access Granted: Unlocked.
- Added Multiselect for most Operations on Isonas Doors (Momentary Unlock, Door Modes, Refresh Status, Download, Confirm Door, Audit Door and De-Commission Door)
- Changed client/driver logic as it relates to Time Schedule updates
- Added functionality to Isonas Driver so ensure a door opens if the user should have access
- Added "Audit Door" functionality to the U/I as well as the Driver to assist in troubleshooting problem doors

VERSION	7.5.0.48
RELEASE DATE	February 12, 2019
MERCURY FIRMWARE	1.26.9 (SSP-D2, SSP-EP, SSP-LX, DController)

Improvements

- Now allows HTTPS based Host Based Macros to accept self-signed certificates
- Updated UI tools (BCG) to latest version 27.30
- Improved COM Object exception handling and improved an error that would occur on certain calls during logging
- Added audit for Add/Remove Personnel Groups
- Added PTZ control to 3xLogic video integration
- Added "Camera Where Used" feature in the DVR Tree Panel
- Improved the Scan for Cameras option to be more selective
- ENGAGE - Added the ability to set times for Engage Gateway Firmware Download and Implementation
- Added "Clear" and "Dismiss" to the Graphics Window Context Menu
- Improved the Scan for Cameras option to be more selective
- thyssenkrupp floor groups and access levels now show on the "Time Zone Where Used" report
- Company list should show company names instead of company IDs on the Printed Badges report
- OpenDX - Increased the database timeout from 30 seconds to 3 minutes

Hot Fixes

- Fixed an issue where Printed Badges report did not show personnel without a company
- Fixed an issue where Doors report did not show ISONAS doors
- Fixed an issue where when running "Where Used" from a time schedule on the hardware browser (under SSP) would result in an error message
- Fixed an issue where when a 200-bit format is configured for a controller the PIV-I cards weren't encoded properly
- Fixed an issue where an NSC-200 incorrectly allowed Controller DHCP Mode

- Fixed an issue with Inovonics where input points of same ID but from a different SSP could not be added
- Fixed an issue with MPG dialog not saving description
- Fixed an issue where an operator is unable to turn off the 'Default' flag on extended card formats (seen for Engage and Schindler)
- Fixed an issue where the default facility code set in Personnel Properties (Corporate Mode, etc.) was not properly being populated on new cards
- Fixed an error that would occur when creating a new keycard and then removing it before saving
- Fixed an issue where editing PSIA Hardware no longer showed doors, just inputs and outputs
- Fixed an issue where HIK integration and new UI tools conflicted causing DNAFusion to crash
- Fixed an issue where removing a Mercury door removed the door from access levels, but it did not re-download impacted access levels
- Fixed an issue where an error in the archiving process would not prevent that days data from being deleted
- Fixed Watch Window to update Cards for Engage related events
- Fixed so that double-clicking on Engage Access Events (and Get Note) work like they do on Mercury events
- Fixed an issue where changing only the Case of an Global Access Level description would result in a message that the access level already existed and couldn't be changed
- Fixed an issue where Global Access Level Dialog that would allow an operator to add doors to an AL when using Filters
- Fixed an issue where adding the first Global Access Level did not show on the tree w/o switching tabs
- Bosch Mode II Integration - Fixed an issue where Launching Home Page on an alarm did not work
- OpenDX - Fixed an issue with Mercury card downloads not occurring when access is added to an existing card via Default Access Levels on Personnel Group

VERSION	7.5.0.33
RELEASE DATE	December 20, 2018
MERCURY FIRMWARE	1.26.9 (SSP-D2, SSP-EP, SSP-LX, DController)

New Features

- Allegion Engage IP Gateway Integration
- Added support for Wacom STU-430 pad
- Engage: Added a low battery orange diamond state to the door icon
- Added ability to run 'Who Has Access on multiple Doors', Change how Access Levels column is exported and added Trigger Code Column
- Added the ability to exclude a card from the Non-Use Report based on a date
- ISONAS - Added Support for some of the new extended Settings (StrikeMode, Fail Secure (RC-04 only), and No Pulse Strike on Rex

Improvements

- Added the ability to delay command in a macro (Merc) in increments of 0.10 seconds
- Added Support for Mercury's new Override Card
- Schindler Elevator Integration improvements
- Changed "Who Has Access" and "Trace History" reports Non-Modal
- Improved the Add Cardholder Photo Dialog
- Added a free form Notes field to the Doors (Ntext) dialog so that users can type much more data that would be allowed in the Description Column
- Added a free form Notes Field to the Triggers Dialog/Table
- Added free form Notes field to Macros Table/Dialog
- Added Notes Button to the DNAOperator profiles
- Updated the DNAUpdateService to a new .Net version to eliminate the issues seen on some systems with 100% CPU Utilization
- Updated Situation Manager to allow 'No Change' for cards

- Added key fields to restored archived transactions (SrcSystem, PackedAddress, UserID, HdwAddr, etc.)
- Added ability to auto-refresh Time Zones after a reset or power cycle
- Added latest IAU utility to the DNA Install
- ISONAS - Added support for Time Schedule Sets to the Isonas Controllers
- ISONAS - Added Auto Unlock and First Badge Unlock to the Where Used dialog for Isonas Doors
- ISONAS - Improved language on events that returned certain event codes
- ISONAS - Added support for Lock Isolator (EDK)

Hot Fixes

- Fixed an issue with F5 Shortcut key not working in the Alarms Screen - It should trigger the Acknowledge Alarm
- Fixed an issue where the Time Schedule "Where Used Report" shows only mercury related doors
- Fixed an issue with Trigger/Macro controlling time schedule not working
- Fixed - ASSA DSR Utility causes issues when run on a site with Multiple DSRs
- Fixed - With Time Schedules are Filtered creating a new Schedule could allow you to create a schedule that already exists
- Fixed an issue where checkbox on the Situation Level Dialog is visible when it should be hidden (or deleted)
- Fixed an issue with SWH Bridge boards not communicating via TB1
- Fixed - If you have the Doors Toolbar visible and select multiple doors, then change the mode on them, you will have multiple buttons depressed.
- Fixed - Running the DNA Install can result in the license file not containing all elements
- Fixed - Creating a Secured Area where the newly created triggers exceed the maximum allowed stored quantity would enter and invalid entry in the database
- Fixed - Editing a graphics objects "Linked Object Properties" causes any "Name" options to be lost.
- Added ability to set the name of a graphic item linked to hardware to the underlying hardware's name/description
- Fixed - Adding photos from badging tab manually overwrites photo 1 rather than adding additional photo

- ASSA - System allowed user to store Day Periods with either no days checked, or no time periods added. This causes errors with the DSR
- Fixed - The "Explicit TimeSchedule Filtering" setting was not being saved to the database.
- Fixed - System allowed user to create more than 255 Trigger Code definitions, which could cause memory overwrites, etc.
- Fixed - Unable to apply Door Follows Time Schedule or First Card Unlock to Elevators
- Fixed - For some macros created on elevators (esp. Door Follows TS and First Card Unlock) the Macros grid would incorrectly show the address as door and show an incorrect Description
- Fixed - If you group your alarms grid by priority and right click in the group by area the app crashes
- Fixed - If the database is updated by one client it's possible other clients will crash when refreshing the hardware tree
- Fixed - Using Inovonics Monitor Points can cause issues in Macros when any point greater than 16 is chosen
- Fixed an issue where users can no longer remove time schedules
- Fixed - If graphic video tooltip has a width and height of zero we were still creating the camera object for the tooltip
- Fixed an issue where activating a card via the 'Activate' checkbox is not properly updating the screen to remove the 'Reason Why' drop down
- Fixed an issue with the port number on DVRs always defaulting to 8000
- ISONAS - Fixed an issue where system allows user to assign time schedules greater than 32 to an Isonas Access Level
- ISONAS - Added Support for Time Schedules with mode Scan - Honor Day of Week
- ISONAS Driver - Fixed an issue where it did not support card-based Host Based Macros

VERSION	7.1.0.46
RELEASE DATE	September 14, 2018
MERCURY FIRMWARE	1.25.6 (SSP-D2, SSP-EP, SSP-LX, DController)

Improvements

- Added Last Operator field to Personnel record to indicate last operator that modified non-card related Personnel data fields
- Implemented Graphics Maps debugging capability into DNA Fusion Client to help diagnose duplicate tags
- Implemented the ability to execute Direct Commands containing non-Mercury based commands (i.e. Isonas, Axis) via Mobile and Web Apps
- Added Error message around any failure to save Graphics maps
- Altered the way Firmware is shown on the SSP Status screen to match Mercury's notation. Also now showing cumulative build count when firmware is 1.26.4 or greater
- Finalized LP Series controller Integration
- Added advanced door functions to mode control list when dragging/dropping a door to a macro

Hot Fixes

- Fixed an issue with acknowledging an alarm when another alarm comes in
- Fixed an issue where Trace History For Non-Access related Hardware Events (monitor point, door mode, etc.) not returning results with tenants enabled
- Fixed an issue where Trace History for Cardholders causes errors if the EmpID or SSN fields are selected
- Fixed an issue where the option to hide Non-Tenant Personal Data is not hiding the EmpID or SSN data on the Trace History Dialog
- Fixed an issue where if running Tenants w/o the Tenant SSP filters turned on it would still try and filter hardware on a Trace History
- Fixed an issue where Setting Temporary ACR Override Mode (Mercury) to minutes was not working properly

- Fixed - Host Based Macro from MP failed to load default camera or show wrong error message if default camera was not defined
- Fixed an issue preventing operator from removing person from personnel group with right click context menu
- Fixed an issue with Date & Time in the Updated field in Cardholder tab for the Personnel View not updated
- Fixed an issue with UTAG settings not being stored correctly causing downloads after Online/Offline and restart
- Fixed an issue where Card Downloads could become "stuck" in some cases when large quantities of panels issued full downloads
- Fixed an issue where MPG Status was not showing MPG 1
- Fixed an issue where clicking on the State Icon in the MPG Grid would select/deselect all sub items
- ASSA - Fixed an issue with Direct Commands not working correctly when executed from a Host Based Macro on the Driver
- ASSA - Fixed an issue where ASSA levels were not copied over when adding a new card belonging to Personnel Group with Default Access Levels

VERSION	7.1.0.37
RELEASE DATE	July 20, 2018
MERCURY FIRMWARE	1.25.6 (SSP-D2, SSP-EP, SSP-LX, DController)

Improvements

- Added ability for operators to right click on a card in the Personnel Tree to launch "Has Access To..." dialog
- Added new operator Privilege to control access to the 'Has Access To
- Added Support for ASSA Door State Status of "None", which is treated as "Closed" to avoid showing Door as Unknown or In Alarm
- OpenDX - Improved logging/debugging for easier troubleshooting
- ASSA - Added some additional logging around adding/removing users from Authorizations
- ASSA - Updated the DsrUtility (1.8.0.5) to give the operator a chance to restart the driver when exiting the utility if it had been stopped
- ASSA - Updated the DsrUtility to remove "orphaned" users from the DSR.AuthorizationUsers table when executing a refresh
- KONE - Improved logging (v1.0.0.6)
- ISONAS - Added driver support for the V2 Bridge Products
- ISONAS - Improved default logging parameters to allow dual file/interactive logging by default

Hot Fixes

- Fixed an issue where Status bar did not update when site was un-linked
- Fixed an issue where adding Access Areas from different nodes behaved differently or didn't work (i.e. SSP Node vs. Areas Root Node vs Areas node)
- Fixed an issue with possible card downloads being blocked if panels reset
- ASSA - Fixed an issue where removing Users from DNA did not always remove the card from the DSR

VERSION	7.1.0.36
RELEASE DATE	July 9, 2018
MERCURY FIRMWARE	1.25.6 (SSP-D2, SSP-EP, SSP-LX, DController)

Improvements

- Added the ability to Edit the Macro associated with a trigger from the context of the Trigger.
- Changed descriptions on Report Parameter Dialog for Employee ID/SSN to be consistent with Personnel Screen.
- Improved memory allocation for the handling of card downloads for sites with large database and multiple controllers. Also added a configurable delay command between controller downloads.
- Added ability to associate the data from a card read using trigger codes (for use in Emails, etc.) with a Trigger and use replaceable parameters with information from the card read from that reader as though it was an access transaction.
- DNA Driver (along with OpenDX version 6.10 or later) now supports Adding the Default Access Levels associated with Personnel Groups. This includes individual ASSA levels as well as Groups. Currently, there is no UI setting for this so the ImportSettings.ini needs to be modified manually to include the 'AllowDefaultLevels=1' setting under the [General] section.
- OpenDX - Ensuring the KeyCard Destination follows the Allow Duplicates setting in DNA Fusion.
- OpenDX - Ensuring the "Assign Access Levels to Inactive Cards" setting in DNA Fusion when applying an Access Level Group via OpenDX.
- ASSA - Improved the SmartInspect Logging - Assa Specific file-based logs are now stored in the same way other integrations with no configuration file needed. Also, added some additional logging around adding/removing users from Authorizations.
- ASSA - Updated the DSR Utility (1.8.0.3) to use new Card Encoding Features for Reversing Bits and Bytes.
- ISONAS Driver - Modified to essentially implement download on demand. If card is badged and is not on the panel it will be downloaded immediately if it's supposed to be in that panel.
- Streamlined event filter queries when dragging controller to grid for better result speeds.

Hot Fixes

- Removed all references to the legacy Embedded Video setting.
- Updated some misleading verbiage that could occur when Force arming MPG with active points.
- Fixed an issue where the *Has Access To* Dialog did not show Mercury Precision Doors.
- Fixed an issue where the *Has Access To* Dialog did not show the Door Address column on some displays and operator was not able to expand it.
- Fixed an issue where Peripheral Status for Panels was not set when starting up client (all panels showed offline until Alarm Panel Driver restarted)
- Fixed an issue that occurred when pulsing an Elevator Floor Via Host Based Macro resulting in unlocking all floors.
- Fixed an issue with the Export button on the Non-Use Report showing disabled.
- Fixed an icon resource issue with Live Graphics tool bar.
- Fixed several issues with Auto Email on inactivity.
- Fixed an issue with grid settings that would show up on older systems.

VERSION	7.1.0.31
RELEASE DATE	June 4, 2018
MERCURY FIRMWARE	1.25.6 (SSP-D2, SSP-EP, SSP-LX, DController)

New Features

- ISS Video Integration
- HIKVision Video Integration

Improvements

- Added support for custom headers in the HTTP functionality of Host-Based Macros. This allows replacement text to be used when sending http commands to 3rd party systems.
- Moved Direct Command functionality via Host-Based Macros to the Driver. This allow most commands to be executed without DNA Fusion application running.
- Changed the behavior of the Copy Triggers Dialog so that any existing check marks are not cleared when executing a copy. This allows operators to copy/paste the same set of commands across numerous macros without having to recheck individual commands.

Hot Fixes

- Fixed connection issues with NDE/PIM functionality on the SSP-D2 and SSP-LX. Only supported on firmware versions 1.25.6 and later
- Fixed an issue Filtering Events Grid by Operator which caused an error message and failed to execute filter.

VERSION	7.1.0.29
RELEASE DATE	May 21, 2018
MERCURY FIRMWARE	1.2.41 (SSP-D2, SSP-EP, SSP-LX, DController)
AXIS FIRMWARE	1.5 (Axis A1001)

Improvements

- Added support for executing Temporary Override modes in seconds
- Otis Front/Rear Elevator Setup: Prompt User for proper Max Floor value
- Added ability to right click on the Alarm Grid to launch associated Personnel record dialog if the record is related to cardholder
- Added HTTP Host Based Macro to be able to add replacement text to post data
- Added a Clear Selected Alarm Operator privilege
- Added ability to enter Canadian Postal Codes (must accept at least 6 characters and handle alpha characters)
- Improved Filtering Time Schedules - Changed this behavior to be an option so customers can choose how it behaves
- Added the DVR SDK Version to the DVR Properties Dialog
- Added Camera option to Output points.
- Added Created Badge Report
- Added support for Mercury Simulated Card Read as a Macro
- INSTALL - Updated Schlage Over the Network firmware to AD.A.110
- INSTALL - Added support for .Net 4.5 dependency

Hot Fixes

- Fixed an issue with Elevator Override Mode for Otis DDS - The level number of a floor group is offset by one.
- Fixed an issue preventing set up of Kone DOP with an ID out of sequence (i.e. set up ID 3 first)
- Fixed an issue with multi-card editing causing fatal error

- Fixed an issue where if no grid settings are in the database the system would crash reading from registry
- Fixed an issue where Reader/LED Config were disabled on non OSDP Master/Slave Readers attached to a door
- Fixed an issue with Editing/Adding Macros that could result in incorrect positioning of the Macros in the browser after closing dialog.
- Fixed an issue where switching FC modes changes the existing facility code to 0
- Fixed system not allowing more than 16 SIOs on SSP-C
- Fixed PIM Door Linking Dialog showing incorrectly
- Fixed an issue that prevented editing host based macro when multi-editing door
- Fixed an issue (Otis) Default Floors and Card Holder Flags not sent correctly to controller
- Fixed an issue where if there are no SSPs the Non-Use report generates an error message about invalid SQL
- Fixed - SIO Firmware downloads fail with invalid file names.
- Fixed (Kone) where editing a Linked Doors Description also updates the description of any linked DOP
- Fixed an issue with External Card Removal (From OpenDX) which could leave the card in the panel (Isonas and Axis)
- Fixed an issue where Multi Edit of Monitor Points can lead to incorrect values when using Latching/Non-Latching Modes
- KONE Driver Update (1.0.0.4) - Issue with Multiple Groups using "Shared/Global" DOP - The Global Masks could be wrong if floors between groups had overlap.
- KONE Driver Update (1.0.0.5) - Change transaction data to include floor names in addition to native Kone Addressing
- ISONAS - Fixed an issue where deleting a card is not properly being handled in the Isonas Integration - Card will remain in panel
- ISONAS - Fixed an issue in logic used to handle activation/deactivation of cards. Cards with activation dates in the future were not being downloaded to the controller. (note: this also requires version 1.0.0.25 of the Isonas Driver)

VERSION	7.1.0.24
RELEASE DATE	April 9, 2018
MERCURY FIRMWARE	1.2.41 (SSP-D2, SSP-EP, SSP-LX, DController)
AXIS FIRMWARE	1.5 (Axis A1001)

Improvements

- Reworked the execution of Direct Command from the UI so that they are executed from a different thread than the UI
- Added the ability to reverse the bytes in a custom ASSA card format
- Reworked how SIO downloads (109) are handled for PIM400s (do not send if the SIO is already online)
- Added support in the driver for expanded event information from the older alarm panel integration for DMP

Hot Fixes

- Fixed an issue where when removing holidays did not cause the controller to be updated (ISONAS)
- Fixed issue where when editing personnel custom fields it did not detect changes, so closing dialog without saving will not prompt user resulting in lost edits
- Fixed issue where ASSA updates from external sources (OpenDX) are not enabled unless you have a license for Axis or ISONAS (not ASSA)
- Fixed issue where trace history on doors will exclude all non-access events
- Fixed issue where the default holiday set was not showing on a fresh install
- Fixed issue where when adding a new card and setting the activation date to 00:00:00, it would reopen as 00:01:00
- When editing the contents of 'Drop List Data', fixed issue where setting up custom fields would not allow the ENTER key without closing the dialog

VERSION	7.1.0.22
RELEASE DATE	March 28, 2018
MERCURY FIRMWARE	1.2.41 (SSP-D2, SSP-EP, SSP-LX, DController)
AXIS FIRMWARE	1.5 (Axis A1001)

New Features

- Added support for Mercury Series 3 Sub-controllers
- Kone Elevator Support

Improvements

- Added support for SSL in the Driver based HTTP mechanism
- Added TLS support for SMTP Component in Driver
- Implemented new encryption used to store operator passwords in DNA
- Added the ability to "Group By" Title
- Updated Email Dialog on the Events Grid to dismiss after hitting the Send Button
- Updated IPWorks code in the driver (and client) as it relates to using SSL
- Added the option to use URL encoding on a Host Based Macro level of granularity for Driver based HTTP Host Based Macros
- Added Capability to show either EmpID or SSN Columns in Trace History results for Access Related Events – This is available via right click on the grid.
- Added the Event Data column to the Trace History Dialog - This is available via right click on the grid.
- Extended Entry/Exit Delays on monitor points to maximum 65535 seconds
- Updated the Door Status Dialog verbiage as it relates to the handling of some Mercury readers (specifically PIM/Aperio/NDE/OSDP) to better reflect the status
- Adding Access Levels from DNA Web will properly download card to Isonas/Axis if assigned Access Level
- Added exception handling at the Login Screen for improved troubleshooting on startup issues
- Updated the External TCP/IP Thread to be optional (set in site configuration tool)

- Updated the Mercury Based Time Schedule logic to implement intervals in accordance with the Mercury specification
- Expanded width of Host Based Macros drop down in the Door Properties page to display long entries
- Added support for new Mercury Transaction Codes (Events 483-486) Events are Load OSDP File, Delete OSDP File, Transfer OSDP File, and Invalid Login Limit Reached
- Added support for external systems to add ASSA Users and Access Levels (requires OpenDX 6.8.0.0 or greater)
- Added support for the DController and SSPLX (4502) when promoting controllers
- Improved download efficiency so editing a card format does not cause a download to occur to panels that do not use the card format
- Improved download efficiency so right clicking on Personnel/Card does not download to panels unless something has changed on the card record
- (Isonas) Added the ability to show change of state on the AUX flag, create new events for this, and use it in Host Based Macros. New Events are 1700 and 1701
- (Isonas) Added support for Isonas WIM (Weigand Interface Module) - Requires Isonas driver 1.0.0.22

Hot Fixes

- Fixed an issue when renaming site where site specific settings (i.e. Download on Demand, SMTP settings) were not recognized by the driver
- Changed wording when removing precision access level from card
- Removed hard coded dB references from "Timed Events Report"
- Fixed status issue with Isonas Root Node in hardware tree
- Fixed site selection issue with Doors report
- Fixed an error that occurs when removing All Access from a group when used on a group node created with "Group By" (i.e. Department, Location, etc.)
- Fixed incorrect queue name on tooltip (root node) for Bosch Panel, TKE, Kone, and Isonas
- Fixed an issue with Time Schedule nodes collapsing following a time schedule edit
- Fixed an issue that prevented saving Trigger Codes on a card
- Fixed an issue with "Always Download" flag not being saved on an existing card
- Fixed an issue with Deactivation dates not working correctly with group edit from Card tab
- Fixed an issue where Invert TTL Check box does not save to database and is cross linked with FIPS Checking flag

- Fixed an issue adding NDE Gateway if there are no SIO licenses available
- Fixed an issue in Access Level Assignment restrictions that allowed via drag and drop of Access Levels to personnel/cards
- Fixed an issue with Honeywell PRO22IC Controller resulting in incorrect Physical Address being stored in database
- Fixed an issue with Activation/Deactivation dates not updating when only making time changes
- Fixed so that deleting a card with Isonas Access also removes the card from the associated controllers
- Corrected unnecessary error messages when creating Site from the Link Site Screen
- (Isonas/Axis) Removing Holidays is not updating to the controller(s)

VERSION	7.0.2.24
RELEASE DATE	February 12, 2018
MERCURY FIRMWARE	1.2.41 (SSP-D2, SSP-EP, SSP-LX, DController)
AXIS FIRMWARE	1.5 (Axis A1001)

New Features

- MiraSys Video Integration

Improvements

- Added Card + Facility Code option to PCProx
- Added thyssenkrupp Elevator Report
- Added support for setting cardholder Use Counts via a Direct Command as well as a Macro action
- Refactor DNA Driver Database mechanism now reduces the impact on the database during high volume situations
- Added ability to output a native 200 Bit PIV format based on the PIV fields Open Options tracks
- Fixed some display issues with the RSC-DT Firmware Dialog introduced with BCG 25
- Changed minimum value downloaded for SSP Retry Timeout on Ethernet channels to 3000 from 700
- Added ability to use NDE/PIM functionality on the D2 and 4502/LX. (this only works with firmware versions 1.25.6).
- Various Driver Improvements: Allow bypass of auto card download on reset, better logging for discarded Mercury downloads, more logging around UTag Processing
- Reworked logic around how tranTypeSys transactions are handled and improved logging
- Reworked logic and improved logging in the handling of UTAGs
- Changed the way the 'Add Photo' option from the Page ID screen works so that it functions with the same basic rules as 'Take Photo'
- Fixed trace history so report now obeys the "Access Only" events flag

Hot Fixes

- Fixed issue where Subcontroller was added when not licensed for any subs
- Fixed issue where when dragging an SSP to the events grid it was not showing all hardware related to that SSP
- Fixed issue where supervised F2F Readers were reporting an offline event as a Fault: Shorted Loop instead of "Offline"
- Fixed issue where when copying Trigger/Macros from one SSP to another could result in error message Destination SSP stored quantity amounts were exceeded
- Fixed issue where Inovonics Points were not reporting specialized information (i.e. battery loss, etc.) in DNA Fusion
- Fixed issue where when scanning for Exacq cameras, if you had the wrong server or an invalid username and password, the error being thrown is "Exacq Vision support files could not be found"
- Fixed issue where Start, End Mode drop down list contains Otis Modes when it's not Otis
- Fixed issue where the drop down for the scheduled commands dialog lists ALL twice
- Fixed issue where sites created by the driver seem to have the "Fully Qualified Name" checked but are not fully qualified, leading to error message in driver
- Fixed issue where when copying objects on a graphics map, the tag assigned to the new objects occasionally matched objects already linked on the page
- Fixed issue where Macro Action downloads to the scp_no parameter was hard coded to 0 (needed since 4.6.1.212 DLL started using that for regional I/O).
- Fixed issue where when a person (or card) was removed, there was no audit record of the person being removed
- Fixed issue where within Personnel Access Reports, only Global Groups or Individual Legacy Access Levels could be selected, not Legacy Groups
- Fixed issue where TKE Audits could contain incorrect information
- Fixed issue with thyssenkrupp - no rights checking on the Result Normal State
- Fixed issue where Card Type/Reason were not saved properly when person had multiple cards
- Fixed issue where user toolbars get duplicated everytime after reloading operator environment
- Fixed issue where Channel defaults for SSP Retry timeout were incorrect for TCP/IP channels
- Fixed issue where when capturing a photo in photo badging, the newly captured image would overwrite the existing photo
- Fixed issue where activation and deactivation dates didn't always save correctly on a card record

VERSION	7.0.2.11
RELEASE DATE	December 20, 2017
MERCURY FIRMWARE	1.2.41 (SSP-D2, SSP-EP, SSP-LX, DController)
AXIS FIRMWARE	1.5 (Axis A1001)

New Features

- Add PIV Enroll to Card

Improvements

- Improved audit to indicate when someone edits/adds/removes a graphics map
- Added NSC-100 support to Software House Bridge
- Added drag/drop support for ASSA doors to Events Grid (filtering)
- Expanded the number of card formats from 8 to 16
- Added "Do not tell again" to DNAMessageBox
- Added button to controller dialog that allows user to "Ping" controller with visually indication of success/failure
- Added Card + Facility Code option to PCProx
- Added Card Number to "Access Level Last used" Report

Hot Fixes

- Fixed issue with Stentofon Events not showing up in Alarm Logging Dialog
- Fixed cosmetic issue with Icons in the Graphic Map Run-mode context menu
- Fixed issue with Keycard activation & deactivation dates not updating correctly
- Fixed an issue with playback of OnSSI archived video
- Fixed an issue where using the 'Find Cardholder' context item from the Personnel Browser and selecting Company causes an error
- Fixed - COM Objects not handling the Temporary Override Cancellation properly
- Fixed - Address column not showing correctly on ASSA Doors (usually shows the DSR)
- Fixed - Unable to run Trace History on ASSA Door

- Fixed - Removing multiple cards after sorting the grid on legacy access levels->Assigned to causes application to crash
- Fixed - Names disappear in the tenant mode after refreshing event grid
- Fixed - Some Scheduled Custom Reports parameters always default to all
- Fixed - Access Events set as Alarms are not showing the correct information in the Alarms Screen.
- Fixed - Macro's Appear to vanish (and sometimes return)
- Fixed - Deactivating Cards can result in the wrong card on the tree being grayed out.
- Fixed - Alarm grid sounds not playing the alarm media file selected in the door
- Fixed - Assa Reports Operator Rights Don't Save
- Fixed - LX Controller does not connect to NSC100 subcontroller

VERSION	7.0.1.3
RELEASE DATE	October 10, 2017
MERCURY FIRMWARE	1.2.41 (SSP-D2, SSP-EP, SSP-LX, DController)
AXIS FIRMWARE	1.5 (Axis A1001)

Improvements

- Added Secure Channel OSDP Support and improved reader status to reflect more OSDP settings
- Added Who Has Access to Bosch Areas
- Added support for Alternate Characters in external events (Isonas)
- Added Progress Bar Status to Bosch User Functions for Larger Databases
- Filtering Events Grid by dragging Axis Hardware is much faster
- Reworked the queries for Isonas and Bosch Panel when filtering the Events Grid to improve speed
- Added latest Isonas Firmware to the install (RC-03 v62.01, RC-03 (Classic) v30.01, RC-04 v74.06, IP Bridge v11.03)
- Added more logging for the HTTP Driver based calls
- Added URL encoding for HTTP driver calls to better support URLs with spaces, etc.

Hot Fixes

- Fixed issue - Isonas Doors do not reflect Alarm Status consistently with other hardware (will show red when they shouldn't)
- Fixed issue - Isonas Status showing incorrect version ('n/a') at times when there was actually a valid version in the database
- Fixed issue - Unable to remove Action from a Macro
- Fixed issue - Dragging Axis Hardware to the Events Grid results in no results
- Fixed issue - Dragging Personnel Records to Events Grid results in no results.
- Fixed issue - Direct Command Editor deletes the wrong command
- Fixed issue - PTZ Buttons did not handle Full Screen/Double Click properly
- Fixed issue - Valcam/Twain Interface not working

- Fixed issue – Using Twain with the external interface option was not working (Crop window would be blank)
- Fixed issue – Added Bosch Panel Source Name to events grid
- Fixed issue – Editing the details of a Host Based Macro that executes HTTP on the driver will cause the HTTP call to be made when you click Ok
- Fixed issue – Driver based HTTP HBM did not support authentication for GETS
- Fixed issue – Driver based HTTP HBM did not reset the authentication method between calls
- Fixed issue - Bosch Users where the name field was too wide for the underlying table as well as the Bosch Panel
- Fixed issue - Issue Code not being positioned correctly on the card holder screen
- Fixed issue - Removed SQL related to the DNAInfoCustomColumns table that was causing issues
- Removed the checking for the Offline Duration on Demo Licenses, which is more of an issue now that DNA doesn't check for license updates as often

Isonas Driver

- Improved mechanism used to transfer events to DNA Driver to better support Alternate character sets (i.e. Accent characters, etc.)
- Added additional logging around Firmware downloads
- Fixed issue - TCP/IP connections used for transferring events to the DNA Driver not being released, eventually resulting in failure.
- Fixed issue - Fixed an issue where it's possible the driver would download Coldfire Firmware to Classic RC-03 if the firmware version had not been retrieved yet
- Fixed issue - Isonas Firmware Version not updating in the UI after a firmware upgrade
- Fixed issue - Fix issue with reporting Device Type for IPBR2/3 (error in manual)

Isonas Log Analyser

- Fixed issues with not being able to handle encryption messages

VERSION	7.0.0.45
RELEASE DATE	September 25, 2017
MERCURY FIRMWARE	1.2.41 (SSP-D2, SSP-EP, SSP-LX, DController)
AXIS FIRMWARE	1.5 (Axis A1001)

New Features

- Otis elevator integration
- thyssenkrupp elevator integration
- ISONAS integration
- BCG UI upgrade
- Support for Bosch Mode II
- Traka integration
- Ability to export video and send as an attachment via email

Improvements

- Operator environments can now be sorted in drop down menu when editing
- Reworked the licensing mechanism to download only when manually initiated from the “help about” screen
- Added "Company, Department, Title, Site (Personnel), Location” to the list of replaceable parameters
- Improved Axis download logic that when adding/removing groups with Axis doors it will only download to the affected controllers
- Adding photos manually is now consistent between badging page and personnel page
- Refactored the process of adding photos to be consistent across different methodologies
- IP Address shown on status bar is now correct
- No prompting for removing a host-based macro
- Added “Type” column to the Holidays report
- Removed the triggers on DNAHardwareControl and DNAIssueCommands tables and transferred that logic as a periodic maintenance item in driver

- Linked devices to event sources in event history report
- Added support for MT(K)2, MI(K)2 Allegion readers for ONR programming
- Created a progress dialog to show progress when adding/deleting a GAL to/from personnel
- Added the ability to assign random unique passcodes to Bosch users when inputting them
- Added reader override modes (and cancel) to the list of available modes that can be set from graphics maps
- Changing tenant modes on the server now requires launching the DNA Indexing Utility to ensure indexes are kept in sync
- Batch print progress messages are now allowed to stay in the grid
- Added last name/first name to the trace history for Bosch panels
- DNAHardwareStatus (used for Web/Flex) can now indicate that a door is in an override mode
- Operators now have the ability to create Bosch panel reports
- Bosch areas and panels now require a "Browse" button to select home page
- Enabled web login when driver is off
- Controllers now report missing panel info
- Improved functionality for the ISONAS Photo Recall feature
- Right clicking on NDE door now gives the option for extended modes
- Site name is now updated in the hardware tree after editing
- Web service credentials now saves credentials
- Resolved inconsistencies between online/offline events for Mercury
- Advanced archiving dialog now shows correct information when run on 32-bit system
- SIO quantities for multi-site installations are now being calculated correctly
- Overlapping one-time events now work properly
- The MPG Arm/Disarm options in host-based macros now work
- There is now an audit trail when an Axis door is added or edited

Hot Fixes

- ***Escalated Issue*** - Fixed issue where door loses ability to unlock
- Fixed issue where operator was unable to force an Axis download externally (OpenDX)
- Fixed issue where TCP/IP Event Receiver was not fully handling Axis and ISONAS events as the MSMQ versions were

- Fixed issue where operator was unable to set use limit on personnel group if legacy access levels aren't assigned to their card
- Fixed issue where in PhotoID properties, the photo name configuration label would occasionally disappear
- Fixed issue where if Bosch area assignments were changed via alarm panel setup, the driver may report addresses incorrectly
- Fixed issue where personnel type was incorrectly handled on Access Level Members dialog
- Fixed issue where personnel types were shown incorrectly on "Who Has Access", "No Access", etc.
- Fixed issue where dropping Access Level Group on Personnel Group was not obeying Personnel Type Permission
- Fixed issue when running "Who Has Access" report on ISONAS door it was pulling data from Mercury "Who Has Access" report
- Fixed issue where removing cards from the interface did not remove them from Axis or ISONAS
- Fixed issue where editing values stored in DNAEntries the index gets out of sync
- Fixed issue where "Who Does not Have Access" report did not include group access levels for Mercury doors
- Fixed issue where running a trace history report on hardware with "Tenants On" will lock up if any of the transactions fail the tenant test
- Fixed issue where user toolbars are duplicated in v7.x if operator logs out and back in
- Fixed issue where if the operator doesn't allow duplicate PIN codes and a duplicate code is entered, you will see the name of whoever has that duplicated code
- Fixed issue where personnel groups report shortens group name and shows group number in the description
- Fixed issue where setting maximum floor groups to 256 caused elevator access to stop working
- Fixed issue where operator yielded inconsistent results when filtering events by Axis/ISONAS/Bosch panels
- Fixed issue where personnel cards report shows duplicate cards under the same user
- Fixed issue where bypass tenant section in event history report queries when tenant not "on"
- Fixed issue where selecting a card format on an Axis controller when adding it would not automatically save
- Fixed issue where the override mode dialog shows both "Indefinite" and "Minutes" being checked in most cases

- Fixed issue where right clicking on door (regular Mercury) shows unwanted menu option
- Fixed issue where removing personnel records was not removing the associated Bosch panel user and was orphaning entries in [Bosch users], etc.
- Fixed issue where the last badge template printed showed incorrectly in some cases
- Fixed issue where “Who Does Not Have Access” report was unusable on large databases in some cases
- Fixed issue where SIO counting mechanism occasionally got out of sync and returned incorrect amounts
- Removed OverWatch and BACnet options from Web Service Credentials for non LX controllers