



AxiomVR4™ Release Notes

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AxiomVR4™

Release Date – 11 April 2018

Firmware

NC-100

NC-100 Controller Firmware Version 6.1 (4-Jul-03)

- ❖ All messages report.

NC-100 Controller Firmware Version 6.2 (03-Sep-03)

- ❖ Card format added Idesco 66.

NC-100 Controller Firmware Version 6.3 (18-Nov-03)

- ❖ Card format added 27-bit Mot Std.

NC-100 Controller Firmware Version 6.4 (26-Feb-04)

- ❖ Card format added 40-bit PCSC.
- ❖ Card format added 26-bit, 24-Bit Card.
- ❖ Card format added 26-bit FC+Card.

NC-100 Controller Firmware Version 6.41

- ❖ Card format added 32-bit HID Mifare.
- ❖ Card format added 39-bit Kantech XFS.

NC-100 Controller Firmware Version 6.42

- ❖ Card format added 36-bit MOT KeyScan.

NC-100 Controller Firmware Version 6.5 (28-Oct-04)

- ❖ Firmware version 6.5 does not have the additional card formats provided in firmware versions 6.41 & 6.42.
- ❖ Access Denied Invalid Format is now reported for 26-bits cards when a 26-bit format hasn't been selected.

- ❖ RC-2 Inputs are now defaulted to 'Normally Open-no resistor' to stop false messages before a download is accomplished.
- ❖ Date/Time change now reports the new Date/Time and not the old Date/Time.
- ❖ False reporting of an Access Point resuming its schedule has been fixed.
- ❖ Cardholder Action – High Security Mode On now locks the Access Point if it was unlocked.
- ❖ Access Granted by PIN no longer displays the PIN code.
- ❖ Keypad shunting/unshunting is being more accurately reported.
- ❖ NC-100 Controller Firmware Version 6.51 (11-Jan-05)
- ❖ Card format added 32-bit HID Mifare.
- ❖ Card format added 39-bit Kantech XFS.

NC-100 Controller Firmware Version 6.52 (02-Feb-05)

- ❖ Card format added 36-bit MOT Keyscan

NC-100 Controller Firmware Version 6.6 (07-Oct-05)

- ❖ Usage count status message has been added.

NC-100 Controller Firmware Version 6.61 (03-Nov-05)

- ❖ In IN/OUT reader mode all beeps are now sent to Reader 1.

NC-100 Controller Firmware Version 6.62 (05-Jan-06)

- ❖ A bug has been fixed that caused the status of SafeSuite™ Alarm panels to be shown incorrectly.
- ❖ Searching Access Point Groups has been removed.

NC-100 Controller Firmware Version 6.63 (06-Apr-06)

- ❖ Card format added 34-bit AWID.
- ❖ Card format added 34-bit NP32.
- ❖ Card format added 64-bit RBH.
- ❖ Bug fixed in 66-bit Idesco format.

NC-100 Controller Firmware Version 6.65

- ❖ Cards given High Security Privilege for specific readers will only have Ignore High Security only on those readers.

NC-100 Controller Firmware Version 7.0 (19Jan-06)

- ❖ This firmware works with the NCMAX memory expansion board and software version 5.2.5 release 3.

NC-100 Controller Firmware Version 7.10 (20-Feb-06)

- ❖ Space available calculations and space allocation have been redesigned.

NC-100 Controller Firmware Version 7.12 (23-Mar-06)

- ❖ Card format added 34-bit AWID.
- ❖ Card format added 34-bit NP32.
- ❖ Card format added 64-bit RBH.
- ❖ Bug fixed in 66-bit Idesco format.

NC-100 Controller Firmware Version 7.13 (07-Apr-06)

- ❖ Updated the NCMAX version firmware to be compatible with 256K, and 1M, as well as the 3M NC.
- ❖ Updated the card formats 34-bit AWID and 64-bit RBH.
- ❖ Internal processes have been enhanced to improve communication.

NC-100 Controller Firmware Version 7.14 (18-Jul-06)

- ❖ Asset tracking has been added.
- ❖ Cards given High Security Privilege for specific readers will only have Ignore High Security only on those readers.

NC-100 Controller Firmware Version 7.15 (01-Nov-06)

- ❖ Card format added 37-bit HID 0302.
- ❖ Card format added 40-bit GE.

NC-100 Controller Firmware Version 7.16 (09-Nov-06)

- ❖ Additional log messages have been added to help keep the access point status up to date.

NC-100 Controller Firmware Version 7.17 (02-Jan-07)

- ❖ New format 32-bit EXI has been added.

NC-100 Controller Firmware Version 7.18 (23-Jan-07)

- ❖ New format 36-bit HID 005K has been added.

NC-100 Controller Firmware Version 7.19

- ❖ NC100 initialization link has been added.

NC-100 Controller Firmware Version 7.20 (23-Jan-07)

- ❖ PE codes for readers have been added. Works only with software 5.2.13 or higher.

NC-100 Controller Firmware Version 7.40 (12-Apr-07)

- ❖ Global Antipassback to work across networks has been added.
- ❖ Alternate Master Panel feature has been added. Works only with software 5.2.14 or higher.
- ❖ "Log if door open" has been updated and works with Code Tracing, Deduct Usage, and PC Decision.

- ❖ DHO is no longer defaulted as ON.

NC-100 Controller Firmware Version 7.41 (01-Jun-07)

- ❖ Initializing NC-100 doesn't turn off output if in counter mode.

NC-100 Controller Firmware Version 7.42 (27Jun-07)

- ❖ 39-bit RBH format parity check fixed.
- ❖ 32-bit INDALA MAPLE LEAF format added.

NC-100 Controller Firmware Version 7.44 (20-Nov-07)

- ❖ CAN 37-bit FC *10000 + ID format added.
- ❖ 32-bit INDALA MAPLE LEAF format added.

NC-100 Controller Firmware Version 7.47 (01-Apr-08)

- ❖ 26-bit CH20 format has been added.
- ❖ Fixed deduct usage so that it will accept usage count of 1.

NC-100 Controller Firmware Version 7.48 (24-Jun-08)

- ❖ Added access denied for interlocked reader on operator Access Granted command.

NC-100 Controller Firmware Version 7.49 (29-Jun-08)

- ❖ Non-Reader Access Point when locked will check the door contact and initiate DHO.

NC-100 Controller Firmware Version 7.67 (10-Jul-08)

- ❖ Added Wavetrend to access control for Virtual RC.
- ❖ Added RSSI Discrimination feature.
- ❖ Access denied Wavetrend cards weren't being recorded.
- ❖ Eliminating the lockout alarm on access denied has been added.
- ❖ Not deleting Wavetrend single record when timeout occurs has been fixed.
- ❖ Timing has been adjusted for SafeSuite™ polling.
- ❖ Intermittent partial download problems fixed.

NC-100 Controller Firmware Version 7.69 (10-Sep-08)

- ❖ If an input generates a link that changes status (arm/disarm) of the same input the status was not updated, bug fixed.
- ❖ 36-bit alpha pass format added.

NC-100 Controller Firmware Version 7.70 (13-Nov-08)

- ❖ 29-bit format added.

NC-100 Controller Firmware Version 7.71 (20-Nov-08)

- ❖ Now detecting card tamper on Wavetrend cards.

NC-100 Controller Firmware Version 7.72 (01-Jan-09)

- ❖ 54-bit HID format added.

NC-100 Controller Firmware Version 7.73 (19-Jan-09)

- ❖ 36-bit FC + ID format added.
- ❖ Tamper bug on Wavetrend readers fixed.

NC-100 Controller Firmware Version 7.74 (26-Jan-09)

- ❖ 37-bit SIN-DK format for mag – stripe cards added.

NC-100 Controller Firmware Version 7.77 (19-Aug-09)

- ❖ Interlock function on the same D-NET improved.

NC-100 Controller Firmware Version 7.78 (23-Sep-09)

- ❖ 37-bit can FC+ card format reinstated.
- ❖ 37-bit HID Intelektron format added.

NC-100 Controller Firmware Version 7.83 (28-Jan-10)

- ❖ Wait states added to memory for noisy networks.

NC-100 Controller Firmware Version 7.84 (16-Feb-10)

- ❖ 40-bit LAGIC format added.

NC-100 Controller Firmware Version 7.85 (28-Jan-10)

- ❖ Changes made to wait states.

NC-100 Controller Firmware Version 7.86 (4-May-10)

- ❖ Bug fixed where auto-relock turns off lock when access point schedule is set to unlocked.

NC-100 Controller Firmware Version 7.87 (6-Jul-10)

- ❖ New clock chip support (DS1501).
- ❖ Bug fixed. Whenever a multiple on/off command was sent to outputs by the user comms was interrupted for panel #1.

NC-100 Controller Firmware Version 7.88 (17-Sep-10)

- ❖ 32-bit nbcc format added.
- ❖ 39-bit tatus format added.

NC-100 Controller Firmware Version 7.89 (18-Oct-10)

- ❖ NBCC - MR10 Mag format added

NC-100 Controller Firmware Version 7.90 (17-Nov-10)

- ❖ When the master NC-100 is offline it turns off its Auxiliary Output relay.

NC-100 Controller Firmware Version 7.91 (9-Dec-10)

- ❖ 39 & 40-bit RBH format added.

NC-100 Controller Firmware Version 7.92 (4-Jan-11)

- ❖ 39-bit XSF format added.

NC-100 Controller Firmware Version 7.93 (14-Jan-11)

- ❖ 64-bit Alfapass format added.

NC-100 Controller Firmware Version 7.94 (3-Mar-11)

- ❖ Fixed issue with mag stripe formats.

NC-100 Controller Firmware Version 7.95 (27-Apr-11)

- ❖ Addition of 30-bit HID1216.
- ❖ Addition of 64-bit Mirtech.
- ❖ Addition of 44-bit CASI RUSCO.

NC-100 Controller Firmware Version 7.96 (11-July-11)

- ❖ Addition of 37-bit HID 1619NP.

NC-100 Controller Firmware Version 7.97 (29-August-11)

- ❖ Bug related to new Clock chip fixed.
- ❖ Random search application support added.

NC-100 Controller Firmware Version 7.98(14-Dec-11)

- ❖ Modifications to 40-bit LAGIC format to include the facility code in the ID.

NC-100 Controller Firmware Version 7.99 (13-March-12)

- ❖ Addition of 33-bit Std DSX card format.

NC-100 Controller Firmware Version 7.100 (17-April-12)

- ❖ Addition of 34-bit Passpoint Format.

NC-100 Controller Firmware Version 7.101 (10-September-12)

- ❖ Change from 5% reject rate to 15% reject rate when Access point type “Random search” selected.

NC-100 Controller Firmware Version 7.102c (7-December-12)

- ❖ Addition of 40-bit Farpoint Format (For 40-bit Farpoint format to work, make sure that 39-bit RBH format is not selected, requires 5.2.66 (SP31) software package).
- ❖ Nonreader Access points now check for interlock violation.

NC-100 Controller Firmware Version 7.103A (7-January-13)

- ❖ Enhancement Permanent High security command does not cancel when panel initialize.

NC-100 Controller Firmware Version 7.104A (11-April-13)

- ❖ 66-bit Guardall Format added.
- ❖ Newly added records’ file sorting optimized.

NC-100 Controller Firmware Version 7.105 (3-September-14)

- ❖ 39-bit HID Format added.(Software version 5.2.82 SP47 required)
- ❖ 34-bit NUHF no issue level format added. (Software version 5.2.82 SP47 required)

NC-100 Controller Firmware Version 7.106 (3-October-14)

- ❖ Magstripe Card Key format was modified to accept larger numbers.

NC-100 Controller Firmware Version 7.107 (21-January-15)

- ❖ 32-Bit EXI format was modified to show when control codes are >5.

NC-100 Controller Firmware Version 7.108 (17-August-15)

- ❖ Software generated card formats added. 64-Bit RBH and 34-bit CardKey software generated format added for testing.

NC-100 Controller Firmware Version 8.00 Beta Series

- ❖ Required for certain PC-100 Integration.

RC-2

RC-2 Controller Firmware Version f2.0

- ❖ Uses internal 128-bit EEPROM for E2 memory.
- ❖ Enhanced communications security.
- ❖ Fixed bug in ‘Door Not Opened’ on side B.
- ❖ Enhanced operation of RTE when set to bypass only – was logging access granted link, turning on LED’s and beeping, now bypasses only.

- ❖ Enhanced pulse “Door Held Open” output when warning time expires.
- ❖ Logs secured link when door closes after a DHO warning.

RC-2 Controller Firmware Version f2.1

- ❖ Bug with Door Not Open Alarm on side B has been fixed.

RC-2 Controller Firmware Version f2.2

- ❖ Inputs DC and RTE must exist bug has been fixed (DC and RTE can now be left blank).

RC-2 Controller Firmware Version 3.4 (13-May-04)

- ❖ If the Forced Entry output was set as general purpose the access point wouldn't send restore messages when the Door Contact restores. This bug has been fixed.
- ❖ If a test battery command is given when the battery disconnect signal had been previously triggered the battery test load would be applied indefinitely.
- ❖ The battery trouble LED will now be reset when a battery test command is given and the unit passes the test.
- ❖ IDESCO 66-bit format now sends 9 bytes of data to the NC-100 instead of 8 bytes.
- ❖ Facility fallback now works with 50-bit format.
- ❖ Bad circuit type data will no longer cause the RC-2 to crash.

RC-2 Controller Firmware Version 3.5 (22-Sep-06)

- ❖ 'B' reader mag-stripe reliability has been improved.
- ❖ Facility fallback now works with 64-bit RBH format.

RC-2 Controller Firmware Version 4.0 (19-Jan-07)

- ❖ The RTE function now re-triggers the door held open timers (both for alarm and warning) if the door is already opened.
- ❖ Minute timing is now more accurate.
- ❖ Firmware is now upgradeable.

RC-2 Controller Firmware Version 4.1 (14-Apr-10)

- ❖ iButton interface added.

RC-2 Controller Firmware Version 4.2 (17-Nov-10)

- ❖ Facility code fallback format added – 35-bit HID.
- ❖ Bug – fix reader led returns to red after minute timing.

RC-2 Controller Firmware Version 4.3 (07-Apr-11)

- ❖ Some Wiegand values were being treated as mag stripe values, issue resolved.

RC-2 Controller Firmware Version 4.4 (08-Apr-12)

- ❖ One bad key read causing all data to be interpreted as “Bad Key”, issue resolved.

RC-2 Controller Firmware Version 4.5 (10-Feb-16)

- ❖ Green LED flashes when Reader is put into High Security mode.
- ❖ B-side reader continuously beeps when in high security mode, issue resolved.
- ❖ Reader timeout modified to improve Keypad speed.

IOC-16

IOC-16 Controller Firmware Version f2.0

- ❖ Enhanced communications security.

IOC-16 Controller Firmware Version 3.1

- ❖ A bug that caused the Battery Test not to shut off was fixed.

IOC-16 Controller Firmware Version 4.0 (02-Feb-07)

- ❖ Firmware upgrade capability added.

IOC-16 Controller Firmware Version 5.0 (13-June-13)

- ❖ Circuit type 8 (custom) added for input configuration (Software version 5.2.72 or higher required).

IOC-16 Controller Firmware Version 5.1 (03-Aug-17)

- ❖ Continuous scanning Of DIP switch to prevent false DIP switch reading on start-up is added.
- ❖ Extra delay added for DIP switch reader to improve slower units.

PC-100

PC-100 Controller Firmware Version AX4401 (reports version 28)

- ❖ DSC PC4401 Alarm Panel Interface firmware. (NC-100 firmware 8.20 Beta required)

PC-100 Controller Firmware Version AXP3 (reports version 30)

- ❖ Paradox Alarm Panel Interface firmware for Digiplex EVO48 and EVO 192. (NC-100 firmware 8.20 Beta required)

PC-100 Controller Firmware Version IT100V4 (reports version 31)

- ❖ DSC IT100 Alarm Panel Interface firmware. (NC-100 firmware 8.20Beta required)

PC-100 Controller Firmware Version VIOC8 (reports version 8)

- ❖ Virtual Input Output Controller with ASCII protocol. (NC-100 firmware 7.16 required)

PC-100 Controller Firmware Version VIOC9 (reports version 9)

- ❖ Virtual Input Output Controller with ASCII protocol: 5ms delay timing added to D-NET for poll responses to improve communication with UNC-500 panels.

PC-100 Controller Firmware Version WAVE55 (reports version 55)

- ❖ Wavetrend Interface firmware. (NC-100 firmware 7.60 required.)

PC-100 Controller Firmware Version WAVE56 (reports version 56)

- ❖ Wavetrend now detecting card tamper. (NC-100 firmware 7.71 required.)

PC-100 Controller Firmware Version WAVE58 (reports version 58)

- ❖ Wavetrend tamper alarm bug has been fixed. (NC-100 firmware 7.73 required.)

PC-100 Controller Firmware Version VIOC100 (23-Sep-10)

- ❖ Virtual Input output controller with ASCII protocol changed from 3-Byte values to 4-Byte which gives us multiple panel capabilities.

PC-100 Controller Firmware Version VIOC110 (05-Aug-11)

- ❖ Panel forgetting its Block ID with power reset, issue resolved for FW 100.

PC-100 Controller Firmware Version VIOC120 (13-Feb-12)

- ❖ Adjustments made to improve communications with UNC500 panels.

NIRC-2000

NIRC-2000 Controller Firmware Version 3.0 (30-Apr-09)

- ❖ IRC-2000 firmware for Axiom.

NIRC-2000 Controller Firmware Version 5.0 (30-Oct-13)

- ❖ New IRC-2000 firmware for Axiom to have one version of Firmware for all versions of panel. No new functionality added.

NIRC-2000 Controller Firmware Version 51 (8-Nov-13)

- ❖ 32-bit Mifare format added to offline card download.

NIRC-2000 Controller Firmware Version 52 (14-June-16)

- ❖ Continuous beeping on reader 2, when in IN/OUT mode, issue resolved.

- ❖ High Security mode now displaying separately for side A and B, when in IN/OUT mode.
- ❖ Some mag-strip cards producing bad key read error, issue resolved.

NURC-2000

NURC-2000 Controller Firmware Version 3.0 (30-Apr-09)

- ❖ URC-2000 firmware for Axiom.

NURC-2000 Controller Firmware Version 3.1 (20-Aug-09)

- ❖ Adjusted minute timer for accuracy.

NURC-2000 Controller Firmware Version 3.2 (04-May-10)

- ❖ Keystroke buffer added.

NURC-2000 Controller Firmware Version 4.0 (11-June-13)

- ❖ Custom circuit type 8 added.

NURC-2000 Controller Firmware Version 4.1 (14-June-16)

- ❖ Green LED now flashes for reader High Security mode.
- ❖ High Security mode now displaying separately for side A and B, when in IN/OUT mode.
- ❖ Continuous beeping on reader 2, when in IN/OUT mode and put into High Security, issue resolved.

Software

AxiomVR4™

- ❖ Dotnet framework 4.5 version of AxiomVR3.

Service Pack 3a (5.3.3) (April 11, 2018)

- ❖ Two new services ***AxiomDataProcessingServer***, and ***AxiomLogManagementServer*** are added.
 - All the ***communication servers*** will now communicate with ***AxiomDataProcessingServer***, which then communicate with Axiom Databases.
 - ***AxiomLogManagementServer*** now handles the archival of databases.

Service Pack 4 (5.3.4) (Oct 3, 2018)

- ❖ Expiry date added for the cardholders' SAL (Special Access Level), and MAL (Multi Access Level). This is a licensed option.
- ❖ Maximum 32 MAL can be added now for per Card.
- ❖ *Auto Shutdown of client* feature added in system settings.

Service Pack 5 (5.3.5) (May 14, 2019)

- ❖ Axiom VR4 upgrade package missing RBH.Global.DLL and RBH.Axiom.Libraries.DLL files, are added in SP5.
- ❖ Message Port Type *Http* added.
- ❖ All the servers changed to WCF platform and
 - Adding a new network shouldn't disconnect all networks now.
 - Deleting a network should stop polling that network and other networks shouldn't disconnect.
 - Changing any networks' properties shouldn't disconnect all networks but only the one changed.
 - WCF changes will resolve client connection issues with servers where we see server going offline/online on all clients when one client with bad IP address connects.
- ❖ Partial download is improved.

Service Pack 5a (5.3.5) (May 27, 2019)

- ❖ Upgrade from AxiomVR3 to AxiomVR4 using SP5 package only, giving *Active X* error at log in, issue resolved.

Service Pack 5b (5.3.5) (May 27, 2019)

- ❖ Card Full download changed to only download Cards with Status *Active* and *Pending*. One exception being, all Visitor card type are downloaded, active or Inactive.
- ❖ Pending commands issue of not adding correct key (Issue only in Release 4) is resolved.
- ❖ Report Server added in AxiomVR4 as well.
- ❖ A few messages missing in Main History report (issue only in Release 4) are added.

Service Pack 5b (5.3.5) (May 27, 2019)

- ❖ New Licensing system is introduced with the upgrade 5.3.6 R4, where software would change to 14 days trial license, after which system will not run unless user registers with RBH and activates the License.
- ❖ **AxiomVR4 Professional System CD** is introduced with the same licensing system and version 5.3.6R4 where software would come with 14 days trial license.
 - **Registration and Activation can be done any time during the trial period as well. Please read *TB102_AxiomVR4 RegistrationActivation* document for better understanding of Registration and Activation of Licensing.**
- ❖ *Recording* field is added to the DVR tab of devices' monitoring to set recording time for set cameras on events.
- ❖ If the event date from the panel is more than 24 hours in future, then the event is logged with computer's current date/time.
- ❖ AimetisSymphony7 CCTV integration added.
- ❖ PelcoXpert CCTV integration added.

Service Pack 7 (5.3.7) (Jan 23, 2020)

- ❖ AxiomV Enterprise License system was not allowing to add more than 256 readers, issue only in SP6 version, is resolved.
- ❖ Time and Attendance Report when configured to email with "First in Last Out" option was not working, issue resolved.
- ❖ 8 RC with UNC license option wasn't allowing to add more than 4 RCs, issue only in SP6, is resolved.
- ❖ **New AxiomVR4 Enterprise System CD** is introduced with the updated licensing system and version 5.3.7R4 where software would come with 14 days trial license.

Service Pack 8 (5.3.8) (May 11, 2020)

- ❖ Increased number of operator profiles that can be assigned to devices.
- ❖ TruVision CCTV integration added.
- ❖ AxiomV client starts displaying commserver offline/online messages but continues to display events from that commserver, issue is resolved. This issue was started in AxiomVR4 version 5.3.5.
- ❖ First in last out TA history report didn't include data for reader-in when report was emailed, issue fixed.

Service Pack 9 (5.3.9) (August 11, 2020)

- ❖ Data server is updated to back up the system.
 - If the data source contains (local), localhost or 127.0.0.1 it will use the old way of backing up the files.
 - If the above condition is not met then the backup will go to the SQL instance default backup folder and will contain the filename {database} {date}.bak. This will allow backups to be successful when being done from a data server machine that does not host the SQL instance locally.
 - Backup wizard now allows to select default path for backup as MSSQL\backup folder.
- ❖ Iris enrollment not saving right sex of the person enrolled in Iris database, bug fixed. (AxiomV_R4_V5.3.9_IRIS_SP9.exe package required for Iris integration)

Service Pack 10 (5.3.10) (Apr 15, 2021)

- ❖ 2of5 true type barcode font added.
- ❖ 8 RC with UNC license parameters weren't passed properly at download time, issue fixed.
- ❖ Milestone DVR integration name issue fixed.
- ❖ Time and Attendance *First in Last Out* (FILO) Excel report's Card formatting fixed.
- ❖ FILO Excel report is changed to use the network name for building column instead of a custom field.
- ❖ Setup_pw.exe now hides the typed password.
- ❖ AxiomV R4 Professional installation now supports 128 networks, instead of 49.

Service Pack 11 (5.3.11) (July 16, 2021)

- ❖ Email report issue resolved. Issue was seen in SP10 only.
 - Port number was hardcoded to 587.
 - Port number is now read from SMTP so SMTP address should be added as **SMTP: port** in system settings.
- ❖ Active Directory card import fixed.
 - Organizational Unit parsing wasn't handled properly and causing card import to fail, issue resolved.
 - Missing custom fields in AD card import, fixed.
 - An edge case where Active directory controllers were skipping and an extra **;(semi-colon)** addition causing issue in card import, is fixed.
- ❖ Cardholder window with large number of cards and badge templates was slow in loading, issue resolved.
- ❖ Script to update database collation added.
- ❖ Axiom Data server deleting Axiomlog1 when empty and causing an issue with new installations, fixed.

- ❖ 3 New card formats added.
 - 37-bit HID H10304 35CH-S.
 - 56-bit Avigilon-S.
 - 56-bit CTR CUSTOM FORMAT-S.

Service Pack 12 (5.3.12) (Feb 18, 2022)

- ❖ Global APB wasn't working for AxiomV Enterprise installation only, issue resolved.
- ❖ Muster Report emailing issues resolved.
 - Encrypted email password for sending Muster Report.
 - Email message was missing body of the email, is fixed.
- ❖ Operator's UserID and password requirements changed for AxiomV system.
 - Minimum 5 characters required for UserID.
 - Minimum 8 characters, at least one number and one special character required for Password.
- ❖ Changes were done in communication server to improve partial download process.
- ❖ 36-bit Gallagher card format added.

Service Pack 13 (5.3.13) (Feb 28, 2022)

- ❖ Archive server configuration file added for Users' options.
- ❖ 'First In Last Out' Time and Attendance Report showing *Items not found* error, bug fixed.

Service Pack 14 (5.3.14) (June 01, 2022)

- ❖ Axiom Export not loading Export window after a certain number of fields mapped (depending upon name of fields mapped), bug fixed.
- ❖ SAL/MAL expiry date fields not loading for Axiom Import even with License enabled, issue resolved.
- ❖ Built-in-administrator Log-In ID *rbh* not allowing to change password, issue fixed (Issue only after SP12).
- ❖ Visitor's custom field type datetime not loading, bug fixed (Issue only in SP13).
- ❖ Updated code meter installation to the latest version (7.40b).

Service Pack 15 (5.3.15) (Sept 05, 2023)

- ❖ Updated EULA.
- ❖ Fixed compatibility issues with Axiomrpt.dll.
- ❖ Updated CommServer service to enhance stability.
- ❖ Enhanced History Reports to allow the fields to grow vertically when data will exceed existing space.
- ❖ Enhancements to Active Directory timing.