



AxiomV™ Release Notes

2 Automatic Road, Suite 108
Brampton, Ontario
Canada L6S 6K8

AxiomV™ Release Date – 1 Mar 2004

The following table shows Firmware versions and their compatibility with the different AxiomV™ software releases.

NC-100 Firmware Version	Software Release
5.x	AxiomIII™ v3.8
6.x	AxiomV™
7 x	AxiomV™ 5.2.5 R3 or higher
7.20	AxiomV™ 5.2.13 R3 or higher
7.40	AxiomV™ 5.2.14 R3 or higher

Please note that all NC-100 controllers in a system must be running the same Firmware series i.e. 4.x, 5.x, or 6.x. NC-100s with firmware version 4.x are used with AxiomIII™ 3.6 and firmware 5.x is used with either AxiomIII™ 3.7 or 3.8. All the firmware doesn't have to be the same version but must of the same series to be used with the software.

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 Idesco 66 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 Idesco 66 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)

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

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

- CAN 37 FC *10000 + ID bit 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)

- HID 54 bit 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 SIN-DK format for mag – stripe cards added.

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

- Interlock function on the same DNet 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_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 NC100 is offline it turns off its Auxiliary Output relay.

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

- 39-40 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)

- Mmodifications 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).
- Non reader 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. RBH-64 Bit and CardKey-34 bit 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 re-store 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 format now send s 9 bytes of data to the NC100 instead of 8 bytes.
- Facility fallback now works with 50-bit format.
- Bad circuit type data will no longer cause the RC2 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 – HID 35 BIT.
- Bug – fix reader led returns to red after minute timing.

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

- Some weigand 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).

PC-100

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

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

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

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

AxiomV™

- New SQL Server version of Axiom.

Release 2.0 (1-Mar-04)

Patch 1. (7-Apr-04)

- Archive database defaults are now changed.
- Backup errors are now logged.
- Mapmaker program has been enhanced.
- Badging online help has been added.
- Device Controller history report has been fixed.
- Cardholder Reader report now has no readers selected by default.
- Deleting an Elevator Floor Group now updates the Elevator Access Levels.
- A system upgraded from a beta version will now Backup subfolders in AxiomV\Data.
- Elevator Floor Group quick search error has been fixed.
- The system no long accepts alarms when it has 5000 alarms in its queue.
- Download failing on file 8 due to the number of elevators has been fixed.
- Clearing alarm bug has been fixed.
- SafeSuite™ input zones are now set as normally open by default.
- Link database report bugs have been fixed.
- Spaces are now allowed in static text boxes on badge templates.
- Cardholder pictures can now be cropped even though a template hasn't been created or a template picture hasn't been selected.
- Full download now works on modem networks.
- Bugs in changing Input or Output Icons have been fixed.
- Access Granted Keypad messages in Stealth Mode bug have been fixed.

Patch 2. (26-May-04)

- History Report message selection is now in tree form.
- Modem phone numbers will now allow the entry of '*' as well as numbers.
- Actions Message can now be selected in Alarms Details window.
- Apartments can no long be sent Timed and Permanent commands.
- Maps command list has been updated.
- Card Dump is now allowed from maps.
- Access Point Activity will not monitor devices that the operator has "no access" to.
- Item status can now be access in Alarm Monitor.
- Copy Wizard has been updated.
- Access Level Report has been updated to show elevators.

- Magnetic Stripe encoding has been implemented.
- Event viewer and Alarm Window now allow configuration of devices by right clicking.
- Devices Controllers – Keypads can now be queried for their firmware version.
- Door Held Open status has been fixed.
- Now any changes to Network properties will not take affect until the CommsServer is re-started.
- Maps importing of emf & dxf files has been improved with an upgraded control.
- Bugs in Time & Attendance and Cardholder history reports have been fixed.
- UC100 firmware upgrade security has been integrated with the NC100 firmware upgrade security.
- Multiple cards for a cardholder have been added; each card can have a Cardname.
- Cardholder report now includes Cardname.
- Toggle, increment, and decrement commands have been added for output links.
- A bug in Toolbar security has been fixed.
- A Holiday's start date and end date must now be within the same year.
- Backup can now include the Audio folder.
- A bug with Custom numeric fields (over nine digits) has been fixed.
- Two new reports have been added for Apartments and Networks.
- Apartment monitoring access is now based on Hardware Module access.
- A bug in removing a schedule from an area has been fixed.
- Daily history archive has been implemented.

Patch 3. (10-Jun-04)

- Timeout problem during archive has been fixed.
- Schedules with more than eight time-zones or only holidays selected in a time-zone did not work properly on Cardholder Stealth Mode and Area Reset.
- Command Type selection has been removed (defaulted to semi-permanent) from NC100 System Status and Device Controller Status.
- Time and Attendance report, total number of hours field size increased to 'unlimited'.
- Multiline wrap text added in Badge Printing.
- Copy links for apartments across the network has been removed from the Copy Wizard.
- Copy Wizard will not copy Code Reader Links if the card does not have access to the reader.
- Search by Access Level Id has been added.
- Reset Toolbar has been added to main toolbar.

Patch 4. (14-Jul-04)

- Elevator security for Quick search has been improved.
- Access Points and Elevator Floor Groups in an Access Level can now be saved only with a schedule.
- A bug in deleting an elevator who's Floor Groups is assigned in an Access Level has been fixed.
- Deleting an RC-2 or an NC-100 that has elevators assigned now shows a complete dependency list.

- Changing the reader is now not allowed when editing an elevator.
- An operator not having access to some of the elevator outputs of an elevator is now allowed to create Floor Groups and Access Levels for the Floor Groups he does have access to.
- A bug in deleting/unselecting a floor for an elevator is fixed.
- The camera number reported in the DVR reports was always 1, the proper camera number is now being sent.
- The message is now changed to show the cardholder name as well in the event viewer for a cardholder who doesn't have access to an access point but is in the database.
- The bug for changing deactivation date to null not deleting pending command at the panel level has been fixed.
- A bug in copying deactivation/activation date to currently active cards not changing the card status is fixed.
- A bug related to the partial download of Weekly and monthly pending commands has been fixed.
- A bug in AxiomLink™ 'Set Output Counter' has been fixed.
- Bug related to vacations for newly assigned Access Points has been fixed.
- A bug in Modem properties not saving if only the modem properties were changed has been fixed.
- Database menu items on client are now rearranged. To view these changes the toolbar needs to be reset.
- External tools can be added now.

Service Pack 1 (29-Jul-04)

- Service Pack 1 is a combination of Patches 1, 2, 3, & 4.

Service Pack 2 (10-Dec-04)

- Report messages that were being displayed incorrectly have been changed to correctly reflect the event.
- Users with no access to Cardholder Screen had access to Card Monitor Screen Commands. This bug has been fixed.
- Users with no access to Cardholder Screen had access to Status – Cardholder Commands like configuration. This bug has been fixed.
- In Elevator Configuration edit mode if you select and deselect during the same edit you would get the error 'Operation is not allowed when object is closed'. This bug has been fixed.
- The bug was fixed that caused the error 'Must close or hide top most model first' when clicking OK or Apply for any changes.
- Event Module 'view only' privilege has been fixed not to allow access to right click menu commands.
- View Only privilege does not apply to some modules (e.g. Reports, Backup, and Restore) therefore has same meaning as Full Access.
- Reader formats are now sorted by bit-format in ascending order.
- The 'Type Mismatch' error that occurred when searching for a cardholder without a card number has been fixed.

- External applications can now be launched from within AxiomV™.
- History command (menu selection) will now only display the last ten transactions that are within the last twenty-four hours.
- Device Controller and Apartment reports have been modified to fix export to Word and Excel problem.
- Holidays can now be created by network. They will be sent to all networks if no network is selected.
- If a template was deleted from the template list then other templates may be shifted causing the wrong template to be displayed for the cardholder. This has been corrected.
- Outlook bar menus and Main menus have been re-arranged to match.
- The Cardholder Design window has been updated to reflect the changes in the Cardholder window.
- If an operator tried to enter a card number that turned out to be a duplicate (an error message would pop-up), and if the operation was then cancel the cardholder was still created but without a card number. This bug has been fixed.
- Commonly used symbols causing errors in reports, has been fixed.
- Import Utility has been updated to include 'time' in Activation and Expiry dates.
- With Alarm Monitoring is on and Event Blocking is also turned on, the message now won't be posted to the Event Log or the Alarm Queue.
- A check box has been added to system settings to disallow duplicate PIN codes.

Service Pack 2a (22-Dec-04)

- If the System Status window was not selected when the user logged in, then the Event Viewer wouldn't display any messages. This bug has been fixed.

Service Pack 2b (31-Jan-05)

- Card format added 32-bit HID Mifare
- Card format added 36-bit MOT Keyscan
- Card format added 39-bit Kantech XFS

Service Pack 3 (2-May-05)

- A bug in schedule editing has been fixed.
- In Badging the printing of multi line text will now align all line not just the first line.
- Deleting an NC100 will now delete all Global Commands attached to that NC100.
- A bug in the Instruction Message schedules has been fixed.
- Cardholder History Report and Time & Attendance Report no longer come up blank if they are selected 'by Name'. Simple Cardholder Report will now show cardholders that don't have cards in the system.
- History reports are now generated more quickly.
- The Toolbar is now disabled during a toolbar reset and when logging in or out.
- The Copy Wizard has been updated to reflect the changes made when DVR support was added.

- A new tool has been added 'Auto Void', that will de-activate cards that haven't been used for 'x' number of days. This parameter is set under File\ System Settings\ System. Set 'Auto void cards after' equal to 'x'.
- Database Reports have been updated and Designer has been removed.
- CCTV has been changed to ASCII Message Configuration.
- Schedules have been updated to better handle the deleting of lines from the middle of the list.
- Copy Wizard now works for cardholders when Multi Credentials is on.
- When copying outputs of type elevator the destination list will include only type elevators, and when the source output type is non-elevator the destination will not include output type elevator.

Release 3.0 (11-Aug-05)

- Release 3 introduces a new installation setup for both Enterprise and Professional versions of AxiomV™.
- Multiple Access Levels have been added as a possible replacement for Access Levels by Card.
- 'Deduct Time' has been added to *Time & Attendance Report*.
- The DVR module is now install separately for each manufacturer.
- Operators can now change their password even if they do not have access to the Operator's module in the database.

Service Pack 2 (21-Dec-05)

- Access Point Activity window changes include:
 - A selection for nine access points.
 - The current configuration will now be saved and reloaded.
 - The ten access point transactions are shown at the bottom of the window.
 - A detail button has been added to bring up the cardholder property window.
 - The cardholder information displayed can now be custom selected for five fields.
- The size of the cardholder's picture in the cardholder screen can now be customized.
- MultiCards (multiple card entry) has been added to 'bulk' load cards.
- Cardholder Usage Count has been updated. It is now displayed in Card Monitor and is not reset by a panel download. Use firmware version 6.6 for proper functionality.
- An 'Apply' button has been added to the cardholder screen to download new cardholders without exiting the cardholder screen.
- Duplicate card copy now copies all schedules when copying Special Access Levels.
- A message has been added to indicate when a Special Access Level is being added from an Access Point that is already assigned a different time zone.
- Card Monitor now includes 'Department'.
- Area Reports can now be printed, by putting an input into alarm.
- The Cardholder's 'Initials' field can now be renamed in System Settings; it can also be used as a numeric field.

Service Pack 3 (3-Mar-06)

- Card type 'Contractor' had been added.
- Card numbers can be automatically generated if the option is selected.
- Alarms/Map queue will be displayed even when all operators are logged off. Clicking on the Alarm/Map screen will bring up the logon window.
- Elevator floor access information will be shown in the Cardholder Reader report.
- Combo box has been added to Custom Fields.
- Optional module 'Guard Tour' has been added.
- Modems are no longer supported.

Service Pack 3c [5.2.6] (28-Mar-06)

- A selection for Dazzle90 setting has been added.
- Multi Access Level and Special Access Level can be configured together when Multi Access Level option is selected.
- You can now configure the Alarm Cleared message to be sent to the message port that the Alarm message was sent to.
- Three new card formats have been added: 34-bit AWID, 34-bit NP32, and 64-bit RBH.

Service Pack 3d [5.2.7] (2-May-06)

- Panasonic and Camtech DVRs have been added to the system.
- Deleting via import utility now executes a download.
- Deleting a card when multi credentials are active will now execute a download.
- Import utility and Report Designer are now options that can be added to the system.

Service Pack 3e [5.2.8] (26-May-06)

- Alarm printing is now allowed to all operators who have access to view alarms.
- Access Point Activity window can now 'popup'.
- In edit mode, tabs that only apply to Cardholders are now enabled when no cardnumber is configured.
- A 'select all' button has been added to the company tab in the cardholder screen.
- Issues regarding operator access being removed from device and apartments have been resolved.
- The 'text wrap' function has been modified in card badging.

Service Pack 4 [5.2.9] (21-Jul-06)

- Optional module 'Asset Tracking' has been added to the system. This function requires NC100 firmware to be version 7.14.
- A new signature pad (ePadink) has been added to the system.
- New events have been added to Global Links for SafeSuite™ keypads.
 - Set Keypad (Arm Keypad)
 - Reset Keypad (Disarm Keypad)

- If Card Import option is available it can be launched from the Tools menu.
- The badge printer is now saved to the local machine so that a system can have multiple badge printers.
- The option for panel initialization can now be selected in system settings.

Service Pack 4a [5.2.10] (14-Aug-06)

- Access Level ID is now being displayed on the Access Level screen and has been setup with Quick Search.
- Changes made to card's record will now be reported in Operators Report (changes such as Access Level, Status, and Deactivation Date).
- Additional features have been added to the Mapmaker utility.
- When deleting, if the cards or cardholders dependency list exceeds 1000 records, it will show count otherwise it will show list.
- History Report and Operator Report now have an option to print events that do not have an operator (e.g. indirect updates of AL, status of cards, auto backups).
- More detailed information for History Archival will now be reported in Audit Report.

Service Pack 4b [5.2.11] (14-Nov-06)

- An optional module Report Server has been added that provides a History Report Scheduler to run reports automatically based upon a preprogrammed schedule.
- Guard Tour now allows input points and not just access points to be part of a tour.
- The import utility now allows you to import the field 'usage count'.
- The Time & Attendance Report now has the ability to deduct x minutes per day from each cardholder on the report.
- Area Muster Report has been added.
- When a cardholder is deleted the cardholder's picture(s) will also be deleted, after confirmation
- Device version command has been added to get the firmware version of RCs, IOCs and SafeSuite™ panels.
- In the Access Point Activity Window users can now search cardholders for the predefined fields even if they do not have access to Cardholders in the database.

Service Pack 4c [5.2.12] (4-Jan-07)

- New format 32-bit EXI has been added.
- New format 36-bit HID 005K has been added.

Service Pack 4d [5.2.13] (22-Jan-07)

- PE codes for readers have been added.
- Time and Attendance Report has been updated.

Service Pack 5 [5.2.14] (5-Apr-07)

- Guard Tour will now show on Alarm Monitor.
- Changes have been made to a number of cardholder screen combo boxes to make the loading of the cardholder screen faster.
- Instruction messages not being displayed in the alarm monitor has been fixed.
- A new link 'Initialize Panel' has been added to AxiomLinks™ and Global Links.
- Alternate Master Panel has been added to system for each network. This feature requires NC100 firmware version 7.40.
- Ignore Auto Void has been added to the cardholder screen as a card feature.
- A new feature has been added: Non-Reader Access Point.
- Department field has been added to the Area Muster report.
- Global Antipassback to work across networks has been added.

Service Pack 5a [5.2.15] (20-Jul-07)

- New history report "Access Granted Hourly Count" added.

Service Pack 5b [5.2.16] (10-Sep-07)

- Pop up video on event without creating an alarm, is added
- New events added for monitoring: Access Point-Access requested and code tracing.
Input Point-Arm, Disarm
- ASCII messages can be sent on old events and alarms by right clicking and selecting "Send ASCII".
- Timed commands can be sent from event window
- The members of Access point groups are now loaded in system status pane. Commands can be sent to groups or individual access points.
- Non-reader Access points can now be selected in device groups.

Service Pack 5c [5.2.17] (10-Dec-07)

- Any date format can be used in creating badge templates now.
- New event messages are added for Wavetrend integration (NC Firmware 7.60 required).
- The Alarm Window has been updated to maintain the selected alarm for right click menu even when new alarms come in.
- Access Point mode commands are now functioning properly from Genetec Video Events monitor.
- Arm/Disarm commands have been added for input alarms in Alarm Monitor.

Service Pack 5d [5.2.18] (14-Jan-08)

- Visitor Management has been added as a new optional module.
- Activate/Deactivate Cardholder links are added in Global commands.

Service Pack 5d1 [5.2.19] (31-Jan-08)

- Using set user command, 50 Bit cards with site codes can be sent to SafeSuite™ now.

Service Pack 5d2 [5.2.20] (11-Feb-08)

- In Operator Profiles, Module security for DVRs has been added.
- Reports are improved for Visitor Management module.

Service Pack 5d3 [5.2.21] (26-Feb-08)

- Card Export Utility is added.
- 64-bit RBH format is added to keypad set user option.

Service Pack 5d4 [5.2.22] (31-Mar-08)

- Adding Access points to a multi Access Level, which was created initially with no access point selected and assigned to cardholders wasn't assigning newly added access points to the cardholders -bug fixed.
- Areas can be added to Maps now. Map shows area status and number of cards in selected areas.
- Loading cards from Multiple Credential window causing an error – Fixed.
- IP Camera is added to badging. IP camera can now be selected for badging in system settings. When selected, live picture is loaded from selected IP camera for cardholder, Assets and Visitor Management module.

Service Pack 5e [5.2.23] (25-Apr-08)

- New Simple reports are added for NC-100s, Device controllers, inputs, and Outputs.
- History report list is now sorted by name.
- TA report was improved.
- ZK Fingerprint Reader integration added.

Service Pack 6 [5.2.24] (16-Jun-08)

- TA Report, not exporting the total of the period in Excel, is now fixed.
- AxiomV™ Import and Export utilities are changed to run with operating system.
- Mapmaker has been changed to sort the map list by name and show total count in status bar.
- Department as a module is added. Two new department fields are added to the cardholder screen.
- The error at log on: **Type mismatch**, when no DVR was installed, is fixed.
- Duplication of messages with comm. Server offline/online on client is resolved.
- A Warning message is now shown in the cardholder when adding a new record with the name and address that already exists.

Service Pack 6a [5.2.25] (10-Jul-08) (Released version of SP_6)

- Removing an Access Point from an existing Access Level, giving syntax error, has been fixed.
- Couldn't type in 0 for cardholder picture name field, is fixed.
- Badge printing causing an error "Object variable or with block variable not set", when printing barcode with the static text, is fixed.

Service Pack 7 [5.2.26] (5-Aug-08)

- Email option in scheduled reports added for Report Server.
- Import utility not checking for the duplicate values, when field other than cardholder is selected as unique is fixed.
- Firewall exceptions for Windows XP SP3 are added.

Service Pack 7a [5.2.27] (29-Sep-08)

- Dutch language translation added.
- Text data sometimes is formatted as date on badge templates for custom fields if data is considered as date by the system. It is now changed to show the data as it is in the badges if no date format is selected. Moreover, the same would apply to even dates.
- Topaz TL462 Signature Pad added.
- An option to allow adding card usage count to existing count instead of replacing it is added in import utility whereas the update option is still available as before.

Service Pack 7b [5.2.27] (09-Oct-08)

- The bug when removing Multi access level with a lot of readers from cardholder with other Multi access levels causing **invalid bookmark error** has been fixed.

Service Pack 8 [5.2.28] (18-Nov-08)

- A new option to load original picture size as the background picture is added for cardholder badging.
- An output can be assigned to an area now, which will turn on when the Area becomes empty.
- The fingerprints were not deleted from the ZK reader when cardholder is deleted is now fixed.
- Picture file 2 field added in Import module.
- Card Status field added in Export module.
- 'First row is column header' option wasn't saving in both Import and Export module, is now fixed.
- Hebrew Language is added.
- An error in pulling the Alarm History report under specific circumstances is fixed.
- Indigo Vision NVR integration added.

Service Pack 8a [5.2.29] (27-Nov-08)

- New image field as a drop down box added in custom field so that it can be added as picture box in badging
- Password is added to sender email address on message port configuration.
- The "Daily Report" button wasn't visible in history report, is now fixed.

Service Pack 8b [5.2.30] (Beta-Not released)

Service Pack 8c [5.2.31] (02-Feb-09)

- Bioscrypt Fingerprint integration added.
- Adding /Deleting the same cardholder again and again using import was causing an error in import utility, is fixed.
- Pending command download is now done at the end of card import instead of after each card.
- 54 bit ARAS HID card format added (NC Firmware 7.72 required).
- 36 bit Card+FC card format added (NC Firmware 7.73 required).
- 37 SIN-DK Mag format added (NC Firmware 7.74 required).
- Message window causing error "Invalid Procedure call" is fixed.
- Area muster report caused an error *Invalid method* when search was selected, is fixed.

Service Pack 9 [5.2.32] (24-Feb-09)

- Search for card type contractor is added.
- Keico fingerprint integration added.
- "Non active cards" report added
- Visitor check in will activate the card and visitor checkout will deactivate the card on panel.

Service Pack 10 [5.2.33] (13-Apr-09)

- Active Directory has been implemented.
- A map associated with an alarm can now be called up from the alarm window.

Service Pack 10b [5.2.34] (23-Apr-09)

- Badging Camera information now saved per workstation.
- Added "none" to finger print list in system settings.
- Added acknowledge all and clear all buttons to alarm window.
- Loading cardholders causes an error ("Invalid index was passed") when the user didn't have access to Access Levels under MAL has been fixed.
- The error ("item already in collection") caused when the finger print button was pressed again without saving for same finger has been fixed.

Service Pack 10c [5.2.34] (Not released)

- Changes have been made in how the software gets a snapshot from an IP camera.
- A tab has been added to cardholder security in operator profiles.
- Map display has been revamped and updated.

Service Pack 10d [5.2.35] (5-Jun-09)

- When adding holidays, 'all networks' is no longer defaulted.
- Watchnet DVR play back mode was playing back a whole hour instead of the selected time interval, now fixed.
- Badging printer duplex info is now saved per workstation.
- Mag Stripe encoding settings window caused an error, now fixed.
- Map display has been changed to display one box per device instead of one per alarm.
- Added Watchnet Embedded DVR.
- History report caused an error when there was no access to any messages for the report, now fixed.
- When row height is increased the icons in status and details window were not showing properly, now fixed.
- Mag Stripe encoder problem for Visitor cards has been fixed.
- Drag and drop cameras from the tree view to the camera view is now supported.

Service Pack 11 [5.2.36] (07-Jul-09)

- ZK finger print enrolment can now be done from the reader.
- The error caused when downloading pending commands automatically has been fixed.
- New Panasonic NVR has been added.

Service Pack 11a [5.2.37] (10-Aug-09)

- Valcam camera in badging option added.
- Maps did not allow to delete map objects other than devices, bug fixed.
- Cardholder tab security changed to allow edit tabs with full access even if cardholder module itself has view access only.
- Tab security for Operator added in copy wizard.
- The option to insert picture file in Maps added.
- Maps allow to change the camera icon for DVR option (the camera1.ico in Graphic folder can be added by users)
- When select visiting person on visitors now does not show card type visitors in the list.

Service Pack 11b [5.2.37] (18-Sep-09)

- Active directory user option is added in card import (Active directory license required).

Service Pack 12 [5.2.38] (24-Sep-09)

- A new port type "Safe Suite" added in message port to send Predefined ASCII messages to Keypads.
- 37 bit HID Intelektron format added (NC 100 firmware 7.78 required)
- History Alarm report bug about "Data conversion error" was fixed.
- Watchnet Embedded DVR package was recompiled.

Service Pack 12a [5.2.38] (30-Sep-09)

- The option of sending manual instruction messages was added for safe suite keypad.
- Automation error was fixed for DVR.

Service Pack 13 [5.2.40] (20-Nov-2009)

- Zoom In/Out and continuous PTZ commands have been implemented.
- Records marked "D" in card import utility that weren't being deleted from the system now are.
- The Report Server was printing extra records for the TA report, the query for the TA report in the Report Server were changed to remedy this.
- Activity Window Locked was added into the main screen.
- Operator Password Expire option was added in system settings, if the value is greater than 0 the password will expire after that many days. Users will be given chance to change the password when logging in, if expired and the password is not changed then AxiomV™ will not start for that user. The new password can not match the last password.
- The map display has changed; a command toolbar was added with large icons for easy operation with touch screens. This option can be turned on in Map design - display settings.
- A report not emailing an auto-scheduled report has now been fixed.

Service Pack 13a [5.2.41] (26-Nov-2009)

- Area Ids are being reused now to maintain max 255 Areas.

Service Pack 13b [5.2.41] (15-Dec-2009)

- Map display has been changed so that when Toolbar Selection is on moving the mouse over an icon does not select the device, the device must be left clicked or touched to be selected.

Service Pack 14 [5.2.42] (14-Jan-2010)

- In TA Report the total number of hours is now rounded to a 2-digit number.
- Badging IP cameras now connect with camera showing live view instead of snapshot.
- Watchnet embedded DVR displaying the incorrect camera number has been fixed.
- A saved image's aspect ratio is now maintained even as the image box's size is changed.
- Multiple Keico devices are now supported.

- Visio prime DVR Integration added.
- Guard tour Tours' schedule loading bug fixed.
- Password Authentication is added in emailing reports through report server.

Service Pack 14a [5.2.43] (18-Feb-2010)

- TA report now includes recipient email address.
- Asset holder number has been added to import field list for Card Import Utility.
- Import program now imports assets as well.
- New format added "40 bit LAGIC HEX".
- Font size and colour have been changed on map display.

Service Pack 14b [5.2.44] (15-Mar-2010)

- Area Status now checked at user defined interval.
- Change made to cardholder images related to stretching issue.
- Bosch NVR has been added.

Service Pack 14c [5.2.44] (13-Apr-2010)

- Remote FTP export is now available.

Service Pack 14d [5.2.45] (26-Apr-2010)

- NVR integration improved.
- New NVR integration options added for centralized opening in system settings
- In cardholder screen, user can now view all of the assigned Special Access levels
- Multi access level (MAL) can now be assigned to a cardholder by an operator who doesn't have access to the devices of previously assigned MAL.
- Software compatibility to Windows 7 taken care of, AxiomV Professional CD installs MSDE which is not compatible with Windows 7. If using AxiomV Professional CD then must install SQL 2005 Express Default instance before installing AxiomV.

Service Pack 14e [5.2.46] (7-Jun-2010)

- Last in and out has been added to TA report.

Service Pack 14f [5.2.47] (15-Jun-2010)

- Iris Integration has been added.
- Vicon DVR integration has been added.
- A new command Download Pending Commands has been added in right-click menu of NC-100.

Service Pack 16 [5.2.48] (11-Aug-2010)

- 'Cardholder Type' has been added to the cardholder screen and has been added as a field in import & export module.

Service Pack 16b [5.2.49] (17-Sep-2010)

- Bug fixed in 'Cardholder Type'.
- Upgrade set-up file has been changed because of overflow error in running upgrade on customer database.
- A new Cardholder History report has been added.
- A new option was added in report scheduling for selecting output report format.

Service Pack 16c [5.2.49] (6-Oct-2010)

- 39 bit TMAX card format added (NC Firmware 7.88 required).
- 32 bit NBCC card format added (NC Firmware 7.88 required).

Service Pack 16e [5.2.51] (19-Oct-2010)

- Access Granted Hourly (History Report) has been added.
- 'Show Cardholder PIN code' checkbox has been added in System Settings.
- 'Cardholder Type' has been modified.
- NBCC-MR10 card format added (NC Firmware 7.89 required).
- Changes have been made to the import utility, if the import process fails and the delete file option is selected, then the import file will be renamed at the end of the import with a date time stamp so that it doesn't affect the next import run.

Service Pack 17 [5.2.52] (9-Nov-2010)

- Added email support using exchange server.
- 'Cardholder PIN code visible during edit mode has been made optional; *System Settings* has option *Show Pincode*.

Service Pack 17a [5.2.52] (5-Jan-2011)

- Bug fixed in cardholder search.
- Combo box selections *Initials* and *Card Name* are no longer pre-loaded.
- *Card Status* field has been added to *Axiom Import*. *Card Status* is imported only if the value is; *Inactive*, *Stolen*, *destroyed*, *Lost*, or *Suspended*.
- Special or Multi-Access levels can be assigned to any card regardless of the cardholders Cardholder Type.
- Badge - Cardholder Type issue caused when window size is changed has been resolved.

Service Pack 17b [5.2.52] (14-Jan-2011)

- 64 bit Alfapass card format added (NC Firmware 7.93 required).
- History custom report (PGR) changed.
- Card import bug related to importing from SQL database fixed.

Service Pack 18 [5.2.53] (10-Feb-2011)

- New option added to TA history report to include department total.
- Import schedule was stopping in some cases, issue resolved.
- Import and export log files are now written to temp folder instead of AxiomV\bin folder.
- History reports device security and cardholder company security issue fixed
- Main history report, Alarms report and Operator history report are only visible for users with master profile.

Service Pack 19 [5.2.54] (28-Feb-2011)

- Added a new option to activate/deactivate cards, global links now allow you to enter 0 for card number. (When the card number is 0, any cards will be activated/deactivated when read on a reader where the global link is assigned.)

Service Pack 19a [5.2.54] (7-Mar-2011)

- Fingerprint integration changes were done for the BFR reader which needs to have the corresponding BFR package(5.2.54 SP19) as well:
 - Allow [Card] option to be saved without enrolling.
 - Write download fail and delete fail messages to audit log.
 - A card can be saved to BFR reader without enrolling a finger.

Service Pack 20 [5.2.55] (28-Apr-2011)

- 44 Bit Casi Rusco format was added (requires NC-100 firmware 7.95).
- 30 Bit HID 1216 format was added (requires NC-100 firmware 7.95).
- 64 Bit Mirtech format was added (requires NC-100 firmware 7.95).
- A new feature *Alarm Routing* was added: an Alarm Sound delay can be added to workstations in *System Options*, when set to 0 (by default) the alarm will sound right away.
- Milestone NVR integration added.
- Pelco DX8100 DVR integration added.
- Full download changes made for UNC-500 panels' compatibility.

Service Pack 21 [5.2.56] (09-June-2011)

- Sagem Fingerprint integration added.
- Camtech version 2.4 DVR integration added.

- New option added for import, which will allow adding multiple cards for a cardholder if multiple credentials is checked in system settings. This will only work if selected unique field belongs to cardholder instead of card.
- Minimum data size required for initials field option is added in system settings
- First name is a required field for the cardholder now.
- Ability to assign Access Point Groups to Access level added.
- New License options implemented.
 - Help> about screen will show the list of Clients logged on.

Service Pack 22 [5.2.57] (28-June-2011)

- *Centralized Opening* option implemented for all the DVR integrations now
- Regional settings anything other than English (USA) was causing an error at log on, is fixed.
- Map selection window was unloading when map is open and mouse is moved on the map, is fixed.

Service Pack 23 [5.2.58] (03-August-2011)

- Enable email and report formats (excel, pdf, crystal reports) for all history reports.

Service Pack 24 [5.2.59] (14-Sept-2011)

- Genetec version 4.7 nvr integration added.
- Access Level Configuration changed to allow selecting Access Points (AP) from Access Point Groups (APG) for easy selection only. AP Groups will not be added to Access Levels but only available members will be added.
- Ability to show "Late arriving messages only once" for Guard tour added in system settings.
- Now checking for SSL authentication in email configuration as well for sending emails through message server and report server.
- A new type "Random search" is added to access point types (requires NC FW 7.97)
- Added ability to enroll fingers from Fingerprint Terminal itself for BFR Fingerprint readers (requires 5.2.59 BFR integration package as well)

Service Pack 25 [5.2.60] (28-Nov-2011)

- Regional settings English (Canada) was causing an error at log on, is fixed.
- Verint DVR integration added.
- Mantrap option added in system settings, and is per workstation. (Refer to TB68_AxiomV Mantrap Entry in documents folder on CD)
- Chinese language issue in version 5.2.59 is resolved
- Field size is increased for device monitoring configuration data
- History reports were updated for archived databases and missing offline messages for device controllers.

Service Pack 26 [5.2.61] (6-Dec-2011)

- Error in copying operator profile Devices under some conditions, "Operation is not allowed when object is closed", is fixed.

- New field Usage Count added to ASCII Messages Field list
- Usage Count left for a cardholder can be send as an ASCII message now.
- Dutch Language updated.
- Map links can now be opened by double clicking on the Icon when command Toolbar option is selected for Map Maker(used for Touch screen monitors)
- New 'AxiomV Professional with SQL 2008 Express' CD is released which is compatible with Windows 7 and Windows Server 2008.

Service Pack 27 [5.2.62] (03-April-2012)

- If the date/time format is not supported then the message "Invalid system date/time format" is displayed, and the application ends.
- Alarm Clear" text was missing from ASCII messages, bug fixed.
- New card format 33 bit STD DSX added. (NC-100 Firmware 7.99 required)
- The collation error in running upgrade on new SQL 2008 based Professional CD is fixed.
- Archive logged an error when there is no axiomlog# databases, now fixed
- Archive issue on SQL 2008 fixed
- Pelco Endura integration upgraded to SDK Version 2.1.2
- Cardholder and Cardholder Simple Custom reports with custom fields' not showing proper data issue fixed.
- Device Alarm will show Red in colour in Alarm monitor only till restore message is not received for the same device. Once restored, alarm will change Blue in colour. Acknowledged Alarms in Red colour will change to Yellow and the one in Blue will turn into Green colour.
- Active Directory module was fixed to load the users from all the subfolders of Active directory.

Service Pack 28 [5.2.63] (26-July-2012)

- Fingerprint reader module security added.
- Import, not loading "Users" folder for Active directory option, bug fixed.
- Spanish Translation updated.
- Avigilon NVR integration added.
- Changes made to improve the speed of Firmware upgrade.

Service Pack 29 [5.2.64] (20-Sept-2012)

- *Time and Attendance* report is modified to be able to select the same reader for In and Out when *First in and Last out* option selected.
- 3xLogic VIGIL 7 DVR integration added.
- Samsung NVR integration added.
- Import, not loading database fields when Microsoft access table with spaces in its name, selected for import, bug fixed.
- Danish Language translation updated.
- Firmware upgrade speed improved further.
- *Subscript out of range* error in loading schedule, when only holiday (H1 and/or H2) selected in one of the lines (2 to 16) of the schedule, bug fixed.

Service Pack 29a [5.2.64] (02-Oct-2012)

- Minor changes made for DVR integration.

Service Pack 30 [5.2.65] (14-Nov2012)

- Time and Attendance Report showing duplicated rows when operator is assigned more than one company for any other operator profile, other than Master, bug fixed.
- Cardholders History Report by company error, fixed.
- Axiom import not changing the Status of the cardholder from Inactive to Active, bug fixed.
- Axiom Links and global commands' quick search error fixed.
- Advance Search by Activation/Deactivation date not pulling the correct list of cardholders, bug fixed.
- ViconNet nvr integration for sdk version 6.5 added.

Service Pack 31 [5.2.66] (11-Dec. 2012)

- Card List in Card Monitor now has new fields added: Access level, Department 1, Department 2, Activation Date and initials.
- 40 bit Farpoint format added. (Requires NC FW 7.102c, need to uncheck 39 bit RBH format in software)

Service Pack 32[5.2.67] (21-Dec. 2012)

- Card Monitor not loading cards, if no departments programmed in database (bug only in software version 5.2.66, SP31), fixed.
- AssureID scanner added to cardholders and visitors.
- Upgrade will now check if Axiom database collation is different than the system collation and will change it to the one for system collation, if different.(May need to run the upgrade twice if more than one database has collation different than the system collation)
- Online help file updated.

Service Pack 33[5.2.68] (01-Feb. 2013)

- New option added in system settings to set *File update Time* for *Partial Download*: when time is set, partial download for cards will not cause panel memory sort and it will be done only at set time. If *File update Time* is not set, then system will work as it normally does.
- Device Status detail window will not show toolbar if device status is *unknown*.
- *Preview* button added for Card monitor so that selected information in card monitor can be previewed and exported in various formats available as well.

Service Pack 35[5.2.70] (28-Feb. 2013)

- **Current database backup must be created for AxiomData and AxiomLog before running AxiomV_R3_V5.2.70_SP35.exe upgrade package.**

Full Download to all the panels must be performed after this upgrade. System will not function properly until full download is completed.

Events that happen during this upgrade may be lost.

- Database is reorganized to handle unlimited number of readers in AxiomV™ Security system (Optional license may be required).

Service Pack 36[5.2.71] (26-April 2013)

- New option added in system settings to set *File update Time* for *Partial Download* in Version 5.2.68 will not sort any files now till the set time reaches.(In version 5.2.68 it applied only to card files, NC Firmware version 7.104 required) If *File update Time* is not set, then system will work as it normally does.
- Global APB had an issue in version 5.2.70. issue now resolved
- A new simple cardholder text report option added to history Cardholder history report.
- Text format added for Report scheduler to print/email. (Refer to TB70_AxiomVReport Scheduler Text format.doc for this option.)
- 66 Bit Guardall format added.(requires NC FW version 7.104, and UNC 101.68f)

Service Pack 37[5.2.72] (12-June 2013)

- Badge Printing improved for customized card size.
- Custom option added for circuit type in input configuration.
- Panel commands added to Pending commands; initialize panel as pending command not working, now fixed.

Service Pack 38[5.2.73] (17-July 2013)

- *Visitor Checked In* report not showing all the visitors checked in, now fixed.
- Command type will not go back to default (semi-permanent), when selection for object type is changed in map for touch screen option.
- Baud rate options 57600 and 115200 added for direct network configuration in software now.

Service Pack 39[5.2.74] (09-August 2013)

- Full download will first clear the memory on panel to improve the speed of download.
- Global APB not working for panels other than the first panel in each network, bug created in version 5.2.70 and higher, is fixed.
- Duplicate card will now copy the fingerprints from source card.(Full download on Fingerprint reader required)

Service Pack 40[5.2.75] (25-September 2013)

- New report “Cardholder Email List” added in Database Reports.
- Two new fields “Email” and “initials” added in Cardholder Simple Report in design mode.

Service Pack 41[5.2.76] (04-November 2013)

- Allowing printing visitor badges while visitor is checked in.
- Now importing international address (Mexican) as well using assure ID scanner.

Service Pack 42[5.2.77] (02-December 2013)

- Editing Access Levels would now show the list of panels where full download is required.

Service Pack 43[5.2.78] (03-February 2014)

- 34 bit NUHF format added for NOVO (UNC FW version 101.70 required)
- Adding, deleting and editing Access Level, the list of panels where full download is required, is now displayed at closing of window, which can be printed if not downloading at that time, or clicking OK will perform Full download on listed panels.
- Licensing option changed to include Badging and import options as part of Enterprise CD
- Active Directory was loading maximum 1000 users, program now changed to load all users
- *BOF or EOF* error in duplicate card (cardholder module) is handled. (Problem started in version 5.2.74(SP39).
- Clearing panel memory before full download is removed.

Service Pack 44[5.2.79] (28-March 2014)

- Milestone MIPSDK 2013 R2 (V4.5) NVR integration added
- Exacq Vision NVR integration added
- Sensen Network integration added (RBHAXiomADR), License is required.

Service Pack 45[5.2.80] (25-June 2014)

- Recogtech Palm reader integration added.
- New options added for Time & Attendance Report and Access Granted Hourly Reports.
- *Email Muster Report* option added in System settings.
- Message server will now first check the system settings’ email configuration to send ASCII emails. Message port email configuration will be used only if no emails’ configured in system settings.
- Exchange Server Email settings with SSL were not working, issue resolved.
- Access Point type Duress is added. When selected, any pin code entered of at least four digits and adding 00 before entering pin code will creates an additional log message “DU-RESS” identifying the user and reader. (UNC500 FW version 101.71 is required).

- Companies are added to cardholder type for easy company selection. Companies assigned to a cardholder type are automatically selected for a cardholder when a Cardholder Type is assigned. Company selection for a cardholder will change as the cardholder type changes
- When cardholder field is a unique field and multicredential is not selected, import was failing to update records (adding and deleting was working), issue resolved
- AssureID reader integration doesn't work with new drivers from AssureID, updated integration, tested with SDK version 4.3.

Service Pack 46[5.2.81] (4-August 2014)

- Active directory now allows importing fields: "employeeID", "edsaAccountIsDisabled", "accountExpires" to AxiomV™ security system
- ActiveX error in import from Active directory (issue in Version 5.2.80 SP45 only), issue resolved
- Global Access point groups are added in database and list of global access point groups is available for access level configuration for easy selection of access points
- Tools menu now has links to run "Devices Discovery" and "Team viewer" applications

Service Pack 47[5.2.82] (4-September 2014)

- Overflow caused by big numbers in account expiry date in Active directory import, issue resolved.
- Emailed Muster Report reformatted.
- Alignment issues in exporting TA report in Excel, resolved.
- Display name having comma for active directory import, issue handled.
- Nuuo NVR integration added.
- Device Discovery tool was not launching from AxiomV in last version, issue now resolved
- 39 bit HID Format added. (NC FW version 7.105, and UNC FW version 101.71 required)
- 34 bit-NUHF-no issue level Format added. (NC FW version 7.105, and UNC FW version 101.71 required)

Service Pack 48[5.2.83] (10-October 2014)

- GVD NVR integration added.
- Mobotix Camera integration added
- Adding, and editing Access Level, the list of panels where full download is required, is being displayed at closing of window, which can now be saved(saves in the backup subfolder under the Data folder of Axiom Server installation), if not downloading at that time, or clicking OK will perform Full download on listed panels.
- Active directory tree not loading properly for import when folder name in AD are duplicated, issue resolved in import.
- BFR integration failed to work starting in version 5.2.81 due to some changes in database for other integration, issue resolved.

Service Pack 49[5.2.84] (17-December 2014)

- Assure ID integration updated to work with new SDK V4.3.3400 as well as old version V4.2.2860
- AP Types “Dormitory” and “Privacy Mode” added (UNC FW version 101.72 required)
- “Duplicate Card” is added as a new module under cardholders. An operator can be allowed just the full access to Duplicate Card, and no other functionality under cardholder screen
- An option added to system settings to make duplicated card Inactive
- Database restore and Archive functionality updated to work with SQL 2012 based systems
- The label “AC” is changed to “Power” for controllers
- RBH Device Locator program updated
- In Event messages word “NC-100” is changed to “Controller” and “UC-100” is changed to “Keypad” to reflect messages from all controllers

Service Pack 50[5.2.85] (02-March 2015)

- Time and Attendance report not filtering records when processed by Report Server, issue resolved
- Visitor reports were not implemented in Report Server, now added
- New report “Card Status” added in database reports
- Dutch language translation updated
- Alarm detail window not showing information in some windows’ themes, issue fixed.

Service Pack 51[5.2.86] (30-March 2015)

- New License option “8RC for UNC panels” added. When the option is enabled, AxiomV now allows to use Special Access Levels and Multi Access Levels with 8 RC system for UNC panels.(Firmware 72 required for regular UNC-500, and Firmware 41 required for RSI application)
- Changed Background and text colors for copy wizard as they were not showing properly in some window themes.
- Allow to change password for Master (RBH) operator when using Active Directory License.

Service Pack 52[5.2.87] (01-Sept 2015)

- Sorting by *Lastname* added for “Card Status” report.
- Bosch Integration with SDK version 5.83 vsdk (VRM and BVMS) added.
- New Panel type SS14 added in Hardware Setup.
- Finger Print module updated for language translation.
- Pelco Integration updated for SDK version.
- Card formats are now added in software (Required FW versions NC100 V 7.108, UNC500 V 101.73, and UNC100 V 10.22). Full download is required on all controller after software upgrade for this option to work.
- *Timeout expired* error in loading cardholder records, issue resolved.
- *Invalid Index value passed* error in cardholder window with restricted user, issue resolved.
- Copying *Access point type* for Access points added.

Service Pack 53[5.2.88] (22-Sept 2015)

- New system messages added for Wireless Lock CLAX integration (Firmware version 11.22 required for UNC100)
- Error when running SP52 more than once, issue resolved.

Service Pack 54[5.2.89] (21-March 2016)

- Video Insight nvr integration added.
- Arabic language added.
- Fuzitsu Palm reader integration added (Fuzitsu release dated 1/22/2016).
- Car Management software (Axiomcms) added.
- AssureID passport scanner integration added.
- New button added on cardholder and visitor window for signing NDA form using Topaz, for which:
 - Electronic NDA.pdf document is required.
 - Topaz driver (sigplus) must be installed.
 - Pdocsigner application must be installed.
- Hitachi Lift Integration added. (New menu *Elevator Floors* added in *Database* for this integration).
- The option for showing the company name added for Cardholder History Report.

Service Pack 55[5.2.90] (02-June 2016)

- Missing columns in NetworkCameras table and store procedures required for CCTV integration updated.
- Now showing passport scanner authentication result, if other than Pass, before loading the record.
- Email message port, not working under some conditions, issue resolved.
- Aimetis Symphony NVR integration added.
- 56 Bit Mifare with 32 CH-S card format added.
- RBH Device Locator program updated.
- 37 Bit HID 24 NP-S card format added.

Service Pack 56[5.2.91] (13-June 2016)

- New message port type *SQL Server* is added, which allows to write events to user's SQL database.
- New card format 56 bit Mifare 32CHR(R- reversed) added.

Service Pack 57[5.2.92] (23-June 2016)

- New field *customfield1* is added to active directory, which pulls data from active directory import for the attribute named cardnumber.

- New item *Card Duplicate* is added in Tools menu of AxiomV system for custom imports of cards.
- Email Message port is updated for:
 - Message port settings are read first now. If exists, then they will be used to send email.
 - System email settings will be used if message port doesn't have sender email configured.
 - SSL is still read from system settings.
 - Port number is extracted from Server Settings if colon (:) exists.

Service Pack 58[5.2.93] (20-July 2016)

- *Card Duplicate* utility was always duplicating cards with 0 usage count, bug fixed.
- Cardholder Late, Time & Attendance History Reports and Company, Non Active Cards Database Reports are updated to filter by Department and Company.
- Axiom Data Server on SQL express had an issue on running jobs on SQL 64 bit edition, issue resolved.
- PC Decision now can have a schedule assigned. No schedule assigned will still work as usual.
- Assure ID passport scanner integration updated.

Service Pack 59[5.2.94] (24-August 2016)

- New card format 42 Bit 2Crypt-S added.
- Cardholder Reader and Reader Cardholder Database Reports giving an error message when a lot of readers selected, issue resolved.
- Two new Custom fields are added to active directory:
 - New field *customfield2* added to active directory, which pulls data from active directory import for the attribute named "Door access Sync Action".
 - New field *customfield3* added to active directory, which pulls data from active directory import for the attribute named "Door access level".

Service Pack 60[5.2.95] (29-November 2016)

- Handled Ebar download error messages in the Windows' event log for a regular Axiom system where Ebar data doesn't exist.
- Safesuites' input 2 configured as 24 hour input, not creating alarms and displaying the name of input, issue only in the last version of software, is resolved.
- Active directory's attributes' name changed from:
 - "Door access Sync Action" to "DooraccessSyncAction"
 - "Door access level" to "Dooraccesslevel"
- New Types "Master" and "Slave" added to Access point types (UNC FW 78 required).
 - Card must first enter at master Access point in order to enter any slave access point.
- New features added for Car management System(CMS)
- Visitor management system improved.

- Visitor card number set to blank instead of 0.
- Can now select visiting employee by using Quick search.
- SMI Custom Reports added. SMI database required for these reports to work.
- Time and Attendance Report giving “Type mismatch” error for report server, issue resolved.
- Milestone NVR integration for MIPSDK 2016R3 added.
- Avigilon NVR integration for SDK 5.10.0.16 added.

Service Pack 61[5.2.96] (1-March 2017)

- Axiom import changed to update all cards belonging to a cardholder record when there is no card number provided.
 - New option “*Update all cards based on unique field when there is no card number*” is added to import for this to work.
- CommServer looks for Car Management system only at the time when CommServer Service is started. If License for CMS is added, commserver Service must be restarted.
- Visitor Receipt wasn't returning any data for operator profiles other than master, is fixed.
- “Visitors currently checked in” report was changed to add two fields: National ID data, labelled as “*Company Name*”, and “*Visited*” to show cardholder name visitor visited.
- “EIDA Card Reader” integration added to read information about cardholders and visitors from specific smart cards.
 - New option “External Field Mapping” added in *Tools* menu for this integration to work.

Service Pack 61a [5.2.96] (5-April2017)

- Avigilon NVR integration updated for SDK version 6.0.2.6.
- Report Server is changed to fix issues with memory and CPU usage.
- New card format 37 Bit Safran (35+P) –S added.
- Card format RBH64+FC - S added.

Service Pack 62 [5.2.97] (9-August 2017)

- Changes made to improve partial download.
- Initial size of Archived databases changed from 100mb to 1000mb.
- New card type “Special” is added for offline cards. Only card type “Special” are now downloaded as offline cards to NIRC/NURC. (NC100 firmware 9.32, and UNC 500 firmware 101.79 required).
- 128 network system, not allowing to change the IP of existing networks, issue resolved.
- Two custom fields *StaffID* and *ReferenceNumber* are added in ‘Cardholder’ and ‘Time and Attendance’ *History report* for a specific site when they add these two fields in cardholder custom fields.