

UNIFIED VIDEO, ACCESS & SECURITY SYSTEMS

INTEGRITI

Release Notes V23.1.2 July 2024

INNERRANGE.COM

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Version 23.1.2

July 2024

- Resolved an issue with the Integriti Comms Task where it would not retry alternative paths if Skytunnel was defined as a path.
- Resolved an issue on keypad readers where it did not perform 'PIN+1 duress' functionality when using 'credential and pin'.
- Resolved an issue when using a reader with a terminal as the pin entry device where it did not perform 'PIN+1 duress' functionality when using 'credential and pin'.





Version 23.1.1

November 2023

New Features

- The Elite Terminal can now display the live user count for an area list.
- In the EMS Comms task for OTIS IP, additional review information is displayed when the system becomes online.

Alterations

- The EliteX terminal will no longer show areas that the current logged in user does not have permission for.
- Made the review messages for the AC holdoff timer clearer.
- The IAC access granted feedback with 3rd party OSDP readers is now a double beep and a single flash, consistent with the SLAM/ILAM modules.
- When an EliteX is idle and programmed to show alarm messages, the message is now dynamically cleared when the alarm is acknowledged.
- Enhanced timed global anti-passback to support entry and exit anti-passback timer configuration.

- For the 'show area state' feedback mode for 3rd party OSDP readers, the LED now returns to the programmed colour instead of turning off.
- On the EliteX/PrismaX terminals, fixed an issue where a qualified LCD message didn't clear when it was unqualified.
- Resolved an issue on the EliteX where an erroneous area alarm could be displayed whilst acking alarm messages.
- Resolved an issue with pin mode "26 bit Wiegand/Forced" where the PIN had to be entered twice to gain access.
- Resolved an issue with the automation comms task where the timed aux control command could require a preceding zero.
- Resolved an issue with pulse inputs not generating an Xmit restore when multiple inputs had been activated.
- The review messages for siren "1 and 2 beep Squawk" tones are now displayed correctly.
- Resolved an issue where siren squawk tones on a Concept Expander would sound forever when EN50131 is enabled.
- Resolved an issue where a watchdog reset could occur when the Integriti Mobile App requested a large number of areas.
- Improved the connection timeout logic for the Integriti Comms task.



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Version 23.1.0

August 2023

New Features

- Added the SIA IP alarm reporting comms task (requires smart card license).
- The Elite Terminal now beeps every 5 seconds during a walk test.
- The Elite Terminal allows the user to scroll through the list of untested inputs during a walk test.
- Added an option for the Elite Terminal to always have LED1 and onwards to be always associated with Area 1 onwards.
- PIN entries on SIFER and OSDP keypads now time out after a period of 15 seconds.

Alterations

- The firmware now prevents firmware update to older firmware versions than the running hardware does not support.
- AURM denied review messages have been improved for clarity.
- When an input is being Soak Tested, the Soak Test now only fails when the area is armed..
- When using a REX/REN input with a SIFER reader, audible and visual feedback is given when pressed.
- When logged off on the EliteX and viewing the "Area Text" or "Area Array" state, the menu now updates with the live armed/disarm state.
- When logged off on the EliteX and viewing the "Area Text", the first displayed area is now the Associated Area.
- Added the partitioned controller flag in the EliteX programming options.
- Improved the display of review messages in ILAM review history.

- Resolved an issue where Card + PIN with a PrismaX Terminal didn't allow login.
- With AURM enabled, the "reader invalid" system input now activates on an invalid card read.
- Fixed an issue where the permissions for the "Disable DOTL feedback" option was incorrect.



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Version 23.0.0

April 2023

New Features

- Added the ability to set a per-area defer arm warning time.
- Added Support for Integriti Security Controller (ISC) hardware Rev: K.

Alterations

- Updated the TCP/IP stack.
- · Updated the file system drivers.
- When using the EliteX in the "Logged off keys" mode is set to "Area Array", only areas that are configured are displayed.
- When starting a battery test, the test now is not performed if the "Low Battery" system input is in alarm.
- Removed the entry display and entry beep options from the EliteX programming as they were never implemented.

Issues Resolved

 Resolved an issue where the door input status states do not update if the configured lock aux is not the default value.



Version 22.2.2

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Version 22.2.2

March 2023

New Features

• The Elite Terminal now turns on the backlight when using the "Logged off keys" functionality.

- Resolved an issue Area 1's name would appear as "Poll Failed".
- Resolved issues with the EliteX when the logged off key mode is set to "Area Text".
- Resolved an issue on the EliteX when the LED mode is set to Area Array where the leds may not display correctly.



Version 22.2.1

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Version 22.2.1

February 2023

New Features

· Added the ability to use Allegion doors when connected directly to an IAC

- Resolved an issue with the PrismaX, where it could show "Req timeout".
- Resolved an issue with the PrismaX where the LED indicators could be incorrect when in "area array" mode.
- Resolved an issue with the Integriti comms task connection review.
- Resolved an issue when using the "Ignore Physical Input" on analog inputs on the control
 module.

Version 22.2.0



Version 22.2.0

December 2022

Important Upgrade Notes

• Please check the required Menu Groups have the 'Sticky Isolate' permission when upgrading as this was previously provided by the "Isolate All" permission.

New Features

- Added the ability to for Doors to do DOTL processing while the Door is unlocked.
- Added the ability to isolate the audible tones of a DOTL alarm.
- Added the ability to control the battery testing in a more intelligent way.
- Added an action that can sound the module location buzzer.
- Added a new Process Group option to generate Xmit review at the time of a de-isolate.
- Added Support for Integriti Security Controller (ISC) hardware Rev: J. with no-modem hardware

Alterations

- Removed the ability to write a review log to an attached USB stick.
- Made the EMS Newlift integration send default masks periodically.
- Added the programming for Allegion doors. No support for Allegion doors directly connected to an IAC yet.
- Added the ability to use a dual zone Inovonics device for two separate inputs.

- Resolved an issue which prevented the "Pulse" Process Group feature from working when the area is 24hour armed and the zone also had the "24 Hour" feature.
- Made a change so a User Qualification will work from within a 'Compound Entity'.
- Resolved several minor Modbus issues.
- Resolved an issue with Weather-Proof Terminals where they could prevent a user from logging on.
- Resolved an issue with the Sticky Isolate permission where it was incorrectly being granted by the 'Isolate All' permission.
- Resolved an issue with LCD messages not automatically clearing from the EliteX.
- Resolved a synchronisation issue between the Integriti Controller and the Integriti Software.
 Where a programing change made in the Integriti Controller while offline to a software was not pushed back up to the software on re-connection.



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Version 22.0.2

September 2022

Alterations

- Changes the IP stack to improve compatibility with some specific networking hardware that was causing issues
- Change the default programming for the Integriti controller's inputs to have 'summary zone' and 'zone self test' enabled

- Resolved an issue with timed global anti-passback
- Resolved an issue when using the 'Card and PIN' credential mode in conjunction with 'Dual User' and the 'Dual credential override' option in a menu group
- Resolved an issue when using the 'Dual credential override' menu group option in conjunction with a multi-credential door mode
- Resolved an issue where executing a large door list would previously time out
- Resolved an issue with OTIS EMS interface where card badges were not processed from the lift system correctly. Introduced in V22.0.0.41354



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Version 22.0.1

July 2022

Alterations

- When doing a firmware update, if there is not enough space for the firmware file, delete all the files to make space.
- When logged onto the EliteX and on the area control screen, when there is no Door configured and the OK key is pressed, only display the "door absent" error message temporarily then go back to the area control screen.
- EMS for OTIS IP we now set the permissions in the home floor call messages.
- Don't save access review on empty PIN attempts (i.e. where '*' or '#' is pressed without first pressing numeric keys).

- Resolved an issue with the online input of the Intrepid comms task, so it will go into alarm if the comms task stops because it becomes unlicensed.
- Resolved an issue in EMS comms task for OTIS IP which resulted in an incorrect default floor field in the Authorized floors packet.
- Resolved an EN50131 issue which prevented clearing a Battery test failed result.
- Resolved an issue with multiple credentials on multiple different readers.
- Resolved an issue with using a permission group trigger where the permission group only worked in certain user programming locations.
- Resolved an issue with using Holidays as an entity to trigger or qualify something.
- Resolved an issue where the "Dual Credential Override" menu group item could also grant the "Dual User Override" item.
- Resolved an issue with downloading ILAM offline programming.
- Resolved an issue where a watchdog reset could occur when arming a very large area list.





Version 22.0.0

March 2022

New Features

• Added an "All Sirens Off" menu group option to allow someone to log on to a terminal and automatically cancel all sirens even if they do not have permission to the relevant areas.

Alterations

- Modified the area re-arm functionality so that when there is a re-arm qualifier configured, the "auto-arm timer review" will not be generated if the qualifier is invalid.
- Modified the access granted action to also trigger if access is granted while the door is in free access
- Improved the reliability of firmware download over a directly connected OSDP bus.
- Reinstate a work around for HID iCLASS readers connected directly via OSDP, so they don't forget their LED state.
- Modified the Elite(X) timeout for the input test screen from 2 to 30 minutes to allow time for site walk testing.

- Resolved an issue when arming the associated area from an EliteX where key-presses would be ignored for the duration of the exit delay.
- Resolved an issue with lift control from the software where a secure or de-secure could fail without providing an appropriate error.
- Resolved a couple of issues where location changes did not happen correctly with unlocked doors.
- Resolved an issue with dual user access to an EliteX
- Resolved an issue where a reader with a bad location programmed would result in incorrect error review
- Resolved an issue where the review from a door action with a qualifier when the qualifier is not valid was incorrect
- Resolved an issue where if an eliteX was programmed as a readers pin device card+PIN would fail with a "different user" error on the EliteX
- Resolved an issue where the controller was not setting the state correctly for MODBUS items mapped to virtual modules.
- Resolved an issue with 'Dual Credential' and 'Triple Credential' 'Credential mode' settings where multiple different readers are used to enter the credentials.





Version 21.0.6

December 2021

New Features

- Extended review filtering options in comms tasks.
- Added the additional options of "input type" and "input state" to the Review Filter configuration.
- Added functionality to the Dialler comms task called "Report Buffering". This provides optional
 configuration so that the Dialler CT will continue to attempt to report events until they are
 successfully reported or for a set period of time.

Alterations

• Improved the control module LAN fail system input so it will activate for more types of issues.

- Resolved an issue where a controller could watchdog reset when using a very low board rate when talking to an alarm communicator.
- Resolved an issue with ILAM background downloads where if a time period or holiday changed it did not trigger a new fast download.
- Resolved an issue with serially connected doors that was causing issues with some SALTO sites.
- Resolved an issue with LAN performance introduced in V21.0.5.40454.
- Resolved an issue that could cause watchdog resets under heavy load.



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Version 21.0.5

August 2021

- Resolved an issue with keypad readers that could cause key-presses and card reads to stop operating correctly.
- EMS Resolved issues with the Thyssenkrupp IP based "TKE Ethernet security interface protocol".



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Version 21.0.4

July 2021

Issues Resolved

 Resolved an issue where readers could incorrectly become unlicensed preventing access through the door



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Version 21.0.3

July 2021

Issues Resolved

- Fixed an issue where readers would stay unlicensed when they were changed to TECOM then back to normal reader types.
- Fixed an issue where the incorrect display of the Salto Event time was generated in review.
- Fixed an issue that could incorrectly cause OSDP review for paradox modules.

Alterations

- For system input 9 on the Ethernet Bridge and Lan power-supply modules, changed the default name to "RS485 LAN comms" and CID type from 320 to 145 to represent how it is used on the Ethernet Bridge.
- Improved the behaviour of C01:S11 LAN Comms System Input to detect more issues.



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Version 21.0.1

June 2021

New Features

- Added a new reader arm mode which will enter free access on 2 swipes and lock the door and arm on 3 swipes.
- EMS added support for the Thyssenkrupp "TKE Ethernet security interface protocol" which is a new IP based protocol.
- Added the ability to sound tones for entry delay, exit delay and DOTL on OSDP readers.
- When configured, the door sense inputs are now sent to Integriti mobile with the door status.
- Added review when an area fails to arm due to unsealed inputs, this review will indicate only the first unsealed input detected in the area.
- Added generating review for the firmware update state of peripherals connected directly to the control module.
- Added an additional End-of-Line (EOL) configuration to the database defaults of "Seal/Alarm Only" for use with normally open or closed only input.
- Added rear door support for the Newlift integration

Alterations

- Improved the Elite(x) terminals logged off display of area state for the associated area.
- Removed the ability to perform the door override actions from Elite(x) terminals.
- Changed the Elite(x) terminals back to not logging off after area arm but instead added an option to do this if programmed.

- Resolved an issue which could cause some SIFER readers directly attached to an IAC to not beep when required.
- Resolved an issue that could cause boot problems when connected via USB that was introduced in V21.0.0.
- Resolved an issue where a TCP connection from the Automation comms task was not closed correctly which resulted in not being able to stop and then restart the comms task.
- Resolved an issue when the LEDs of the Elite(x) were set to area array, the LEDs did not always flash when an alarm occurred in the associated area.
- Resolved an issue with LED area feedback on Tecom readers that was introduced in V21.0.0
- Resolved an issue with the reliability of wiegand readers on the IAC that was introduced in V21.0.0





Version 21.0.0

March 2021

Important Upgrade Notes

• If you have action lists programmed with non default "When Asserted" programming, firmware before this release did not adhere to this setting so upgrading could cause different behavior.

New Features

- Added the ability to disable the PIN fail lockout on keypad readers.
- Added the ability to disable non essential HTTP services (ie. Integriti mobile HTTP support to the panel).
- Extended the Contact ID mapping to support virtual modules 1-8 in Contact ID map 1.
- Improved Elite(x) Bulgarian language support.
- Added the ability to suppress time period review, based on programing.
- Added additional schedule repeat options for greater flexibility.
- Added the ability to display door state display on OSDP reader LEDs.

Alterations

- Change how action lists are processed to now take into account the "When Asserted" programming for each individual action in the list.
- Minor usability improvements for the Elite(X) for door control, LED display and arming.
- Removed the license requirement for providing area display on OSDP reader LEDs.
- Debounced the user expansion kit comms fail system input to reduce extraneous alarms.

- Fix a minor issue on the Elite(x) siren test menu when switching from a continuous tone to a squawk tone.
- Corrected an issue where RF Paradox door and smoke inputs would not restore after a poll fail alarm.



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Version 20.1.5

July 2021

Issues Resolved

• Resolved an issue where readers could incorrectly become unlicensed preventing access through the door



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Version 20.1.3

January 2021

- Resolved issues with using multiple credentials at lifts
- · Resolved minor issues with card formats on ILAMs



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Version 20.1.2

January 2021

Issues Resolved

- Resolved an issue using "Dual credential" and "Triple credential" credential types where you could only present them at a single reader. You can now present them at separate physical readers on the same side of the door.
- Resolved an issue with MODBUS interface when writing input state.
- Resolved an issue with network processing that could occasionally cause a networking interface to lock up.
- Resolved an issue where adding a smart card license by the terminal would write the license but display an error message.
- Resolved an issue with Tecom reader support when reading 26 bit cards.

New Features

Send additional card format information to ILAMs for off-line processing.



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Version 20.1.1

August 2020

New Features

• Added support for freeing/securing floors for Newlift





Version 20.1.0

September 2020

Important Upgrade Note

• Users who need to use the area list control screen will need an additional "List Control" menu group permission applied from this version.

New Features

- Added support for talking to an Ethernet bridge, including using Zeroconf for discovery.
- Added a per door configurable challenge response timeout programming.
- · Added modem configurations for USA and Canada.
- Added support for SALTO Keypad lock.
- EMS Added Schindler call by ID when programmed as a car panel.
- EMS added the ability to disable default masks.
- Added list control menu group permission to control terminal area list control behavior.
- Added a configuration option of "Maximum number of reporting attempts" to the GSM comms task. Added waiting for 10 minutes for events that have been transferred to the T4000 to be delivered to the MultipathIP server. The time waited is shortened to be 3 minutes if the GSM comms task has a backup comms task configured. Enhanced review to clearly show the actions that the GSM comms task is taking.

Alterations

- Added support for saving the DNS record used to talk to the Integriti server when the software does a firmware update and default of the hardware.
- Unlock the LAN when the controller is defaulted, to prevent lockout situations.
- Changed the virtual card badge review from the software to show the "Soft Cred" card type.
- Turn off any area sirens if the 24h part of the area is disarmed.
- Modified the reporting comms tasks to have a common way of searching for alarms to be reported. The reporting comms tasks are:
- Alarm Reporting
- ARC (Alarm Reporting & Control)
- Dialler
- En32pin
- GSM
- Peer Reporting
- SkyTunnel Reporting
- Modified the IRfast alarm data generation for the GSM comms task.
- Modified the IRfast text data generation for the GSM comms task so that is now the same as other comms tasks (E.g. Dialler, SkyTunnel Reporting).





- Made it valid to set NEWLIFT floor IDs to 0.
- Changed the functionality when a user enters PIN+OFF from the Elite(X) in an attempt to disarm the Elite(X)'s associated area. Previously if the area was in "Entry delay" or "Warn re-arm" or its sirens were on, then the user was prompted to select an area and then would have to press OFF again. Now the area is turned off immediately.
- Updated TCP/IP stack. Now if the controller is unable to get a DHCP address it will revert to a link local address.

- Resolved an issue with the grant amnesty action when granting amnesty to all users.
- Resolved an issue with downloading firmware to all compatible modules from a PrismaX.
- Resolved issues with the siren test menu on the PrismaX.
- Resolved an issue which prevented having multiple GSM comms tasks running at the same time.
- Resolved an issue that could caused AURM review to have the wrong door listed.
- Resolved an issue with Skytunnel that could cause issues with establishing a connection if the controller name was 32 characters.
- Resolved an issue with the "arm if secure" action, where it would fail to disarm areas.



INTEGRITI

Version 20.0.2

August 2020

Issues Resolved

 Resolved an issue with the TCP/IP stack that could cause IP communications lock ups and watchdog resets, usually when connecting over SkyTunnel.

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Version 20.0.1

July 2020

Alterations

 When SkyTunnel programming changes are written from the Integriti software, wait a short time before restarting the SkyTunnel connection to allow time for an acknowledgement to be sent back to the Integriti software.

- Resolved an issue where input review was being generated when the "no review" option was set and the input was being controlled by an action.
- Resolved an issue when displaying the result after attempting to input a new license via the Elite(X) terminal, display "Verify timeout" if the smart card verification timed out.
- Resolved issues in the GSM CT:
- When configured as a Backup CT and comms with the T4000 are not working and an alarm is detected, the GSM CT was incorrectly attempting to trigger its own Backup CT to report the alarm
- When sending an SMS alarm to a telephone number list, an SMS message was only sent to the first telephone number in the list.
- Resolved an issue when handling connect request packets from the Integriti software and checking if IP addresses need to be re-ordered where the "Alternate Server IP Address 3" was always overwritten with the IP address from the connect request packet if the IP address was not found.
- Resolved an issue in the SkyTunnel service programming when the Integriti controller is first started and the SkyTunnel service checks to see if it has valid settings.
- Resolved the NEWLIFT TCP connection mode being server instead of client.
- Resolved the NEWLIFT call floor being incorrect.
- Resolved an issue where the input test screen that shows the "Zone Array" of 8 zones and remembers their highest state was accidentally removed.
- Resolved an issue where adding a direct entry card to a user via the Elite(x) keypad appeared intermittent. It now works when the Card Format of the Card Template has a type of "Wiegand Raw Data".
- In the EMS comms task Schindler protocol, corrected an issue where call by profile only worked for the first 32 floor list records.





Version 20.0.0

May 2020

Important Upgrade Note

A fix in the Modbus comms task when returning the states of coils and discrete inputs means that
they are now inverted. If 3rd party automation has been built to interact with this comms task care
should be taken to assess if an update to the 3rd party automation is required.

New Features

- Added the Mitsubishi lift protocol to the EMS comms task.
- When access is granted through a door due to the "any card" reader configuration, generate more appropriate review.
- Add an analogue calibration for displaying the PrismaX temperature in Deg F.
- Added support for the "Wiegand Feedback Mode" where on a per reader basis the valid output can be configured to follow the door lock state.
- Added support for mode 2 "Access to Authorized Floors" for Otis
- Added support to return the access result to the Otis lift when card credentials are presented.

Alterations

- Implemented new licensing model.
- Enhanced the EN50131 support in the Alarm Reporting comms task and the EN32PIN comms task. When the all/dual path fault occurs this state is now latched and can only be cleared by a Level3 user or a reset code.
- When using the Elite(X) terminal and EN50131, modified the order of the screens which are
 presented to the user. Now a "single path fault" will only prompt the user if they want to continue
 (this used to require a reset code). Now a "all paths fault" will prompt the user and require a reset
 code to continue.
- Modified the GSM comms task when processing and replying to zone isolate control commands to work exactly as they did in the Concept panel (so that SkyCommand could control them).
- When the GSM comms task is communicating with a T4000, slightly shortened the panel information string that is sent so that it would always fit.
- In the EMS comms task Otis protocol, changed the implementation to always send the default masks (previously the default masks were only sent if they hadn't been sent before).
- When performing an action list action, don't do anything if the assert edge is "none".
- When performing the LAN download to ILAMs, added a test before restarting the download to ensure that repeated database changes did not prevent a full download from completing.
- Increased the number of apartments records from 250 to 300. A default is required to get the additional apartment records.
- Optimized the database writing strategy to reduce file-system use, file-system fragmentation and FLASH memory wear.



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 Modified the handling of the connect packet from the Integriti software so that IP address order can be swapped instead of IP addresses being overwritten.

- Prevented 2-swipe and 3-swipe reader arm mode actions when the Door Type specifies more then 1 credential. This change matches the previous functionality from before there were the "extra credential types" of hand, face, eye etc.
- Resolved an issue when broadcasting LCD messages where they did not get translated before being sent.
- Resolved an issue in the Alarm Reporting comms task when checking if an input has been configured.
- Resolved an issue with the Modbus comms task where the states were inverted for coils and discrete inputs.
- In the EMS comms task Otis protocol, corrected an issue preventing sending of card credential data to the backup Otis server.
- In the EMS comms task Otis protocol, corrected an issue where the home floor rear door wasn't set for Otis home floor calling.
- Resolved some issues with ILAM off-line behaviour involving time-periods with holidays.
- Resolved issues triggering named actions from PIN entry at terminals programmed as 'access only'.
- Resolved an issue where firmware updates for OSDP <> Wiegand Converter where not working.
- In the EMS comms task Otis protocol, corrected an issue with the "Call Floor" action.
- Resolved an issue with the GSM CT where the IRfast client code was in the wrong order.
- NOTE: This only has an effect on reporting when the "Multi-client code" option is checked from within the MultipathIP software.



Version 19.1.8

INTEGRITI

Version 19.1.8

April 2021

New Features

• Added support for IAC RevD hardware.



Version 19.1.6

INTEGRITI

Version 19.1.6

August 2020

Issues Resolved

• Resolved an issue with the TCP/IP stack that could cause IP communications lock ups and watchdog resets, usually when connecting over SkyTunnel.



Version 19.1.5

INTEGRITI

Version 19.1.5

July 2020

Alterations

 When SkyTunnel programming changes are written from the Integriti software, wait a short time before restarting the SkyTunnel connection to allow time for an acknowledgment to be sent back to the Integriti software.

Issues Resolved

- Resolved some issues with ILAM off-line behavior involving Time Period's with holidays.
- Resolved an issue where an Elite(X) and Prisma(X) terminals that had the "access only" option set did not trigger Named Actions when a user logged on.
- Resolved an issue with an Prisma(X) terminal that has the "access only" option set where door
 access would no longer work after a PIN was entered from a user who does not have access to
 the door.
- Resolved an issue when displaying the result after attempting to input a new license via the Elite(X) terminal, display "Verify timeout" if the smart card verification timed out.
- Resolved issues in the GSM CT:
- When configured as a Backup CT and comms with the T4000 are not working and an alarm is detected, the GSM CT was incorrectly attempting to trigger its own Backup CT to report the alarm.
- The IRfast client code was in the wrong order (this only has an effect on reporting when the "Multi-client code" option is checked from within the MultipathIP software (which it normally is not)).
- When sending an SMS alarm to a telephone number list, an SMS message was only sent to the first telephone number in the list.
- Resolved the NEWLIFT TCP connection mode being server instead of client.
- Resolved the NEWLIFT call floor being incorrect.
- Resolved an issue where the input test screen that shows the "Zone Array" of 8 zones and remembers their highest state was accidentally removed.
- Resolved an issue where adding a direct entry card to a user via the Elite(x) keypad appeared intermittent. It now works when the Card Format of the Card Template has a type of "Wiegand Raw Data"

Alterations

• Optimized the database writing strategy to reduce file-system use, file-system fragmentation and FLASH memory wear.



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Version 19.1.4

June 2020

Issues Resolved

• In the EMS comms task Schindler protocol, corrected an issue where call by profile only worked for the first 32 floor list records.



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Version 19.1.3

April 2020

Issues Resolved

 In the EMS comms task Otis protocol, corrected an issue where the home floor rear door wasn't set for Otis home floor calling.

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Version 19.1.3

April 2020

Alterations

• Increased the number of Apartments from 250 to 300 records. A default is required to get the additional apartment records.

INTEGRITI

Version 19.1.2

February 2020

Issues Resolved

- Resolved an issue with an Elite(X) terminal that has the "access only" option enabled where door
 access would no longer work after a PIN was entered from a user who does not have access to
 the door.
- Resolved issues in the GSM comms task where configuring SMS alarm reporting could hold up normal alarm reporting when the maximum message limit was reached or if the SMS phone number was not configured.
- Resolved an issue in the GSM comms task where the name of the user who has armed/disarmed an area would be wrong for a partitioned system.
- Resolved an issue when reporting using IRfast where the UserID of the user who armed/disarmed an area was wrong for a partitioned system.





Version 19.1.1

January 2020

Alterations

Changed the EOL configuration for inputs without a programmed EOL, and the default C3K EOL
programming to better optimize for using a 2K2 resistor pair. NOTE: The old behaviour can be
achieved by programming and assigning an EOL to inputs.

Issues Resolved

- Corrected an issue with the database where Named Actions could be incorrectly triggered when a Named Action was created/saved.
- Fixed an issue where Card+PIN was not working when using a PrismaX (introduced in the V19.1.0 release).
- Resolved an issue with challenge response where an authorised access did not unlock the door (introduced in the V19.1.0 release).
- Corrected an issue with the door forced system input when the door returns from the override state
- Corrected an issue with the GSM comms task where it would still allow users that had been cancelled control permissions.



INTEGRITI

Version 19.1.0

November 2019

New Features

- Added new credential types for: License/Number Plate, Facial Recognition, Hand Biometric & Eye Biometric.
- Added support for up to three credentials to be required for access to be granted.
- Added support for the Alarm Reporting comms task to work with the EN50131 functionality.
- Added support for the Trikdis communication protocol to the Alarm Reporting comms task.
- Added support for the IRIS Touch communication protocol to the Alarm Reporting comms task.
- Added language support for Czech, Spanish and French.
- Added additional language translation for Czech.
- Added support for Integriti Access Controller (IAC) hardware Rev: C and Integriti Security Controller (ISC) hardware Rev: I.
- Added the ability to be able to default the Integriti Controller from the PrismaX (NOTE: requires new PrismaX firmware)

Alterations

- When performing peer reporting and using IRfast + Text, added an option to not include the prefix text like "Review from controller 00002".
- When using the new credential types and dual user, allow the different users to be able to use different credential types.
- Updated EMS to removed retry behaviour when receiving a status response that is not "OK", leave it to the user to retry the message (as retrying with same messageID doesn't work).
- Updated EMS to reduced the Kone message timeout from 10 seconds to 3 seconds as it was too long.
- Removed "Dual User override", "Anti-passback override" and "Dual Credential override" from being enabled in the "Admin Menus" Menu Group when database is defaulted.
- Change door behaviour to only consider the door closed when all the door sense inputs are sealed (i.e. reed and tongue).
- Removed Elite(X) programming screens for Analog Calibrations as they are unusual to program
 via the terminal.
- Disabled SLAM offline functionality when a door's lock aux is set to another module.
- When a user logs onto an Elite(X) terminal and go to the area control screen, don't turn the cursor on.
- When entering the EN50131 "ARC anitcode" from an Elite(X), log off the user if any key other than OK is pressed. This is to prevent the user getting to the anticode screen and then just walking away, leaving the terminal logged on.
- When entering the EN50131 "ARC anitcode" from an Elite(X), increased the time the "ARC anitcode" can be displayed for from 2 minutes to 5 minutes.





Issues Resolved

- On a door with reed or tongue, when someone badges repeatedly, only change their location one time.
- Corrected an issue when the user is logged onto an Elite(X) and is waiting for a card from the SIFER reader of the same Elite(X).
- Corrected an issue when EN50131 was enabled and performing area arming from the Elite(X) terminal where the area name in review to be wrong.
- Corrected an issue where if the user is prompted to enter an EN50131 "ARC anticode" and any key other than '9' or 'OFF' would lock up the Elite(X) terminal.
- Fixed an issue with Peer Reporting where the client code of events being reported from the originating controller could be wrong.



INTEGRITI

Version 19.0.2

October 2019

Issues Resolved

- Corrected an issue where the card format configuration for ILAM readers could sometimes not match the card format data that is downloaded to the ILAMs. This resulted in ILAMs not being able to provide door access when they were offline. This issue was introduced in controller firmware V19.0.0.35199.
- Corrected an issue with the Alarm Reporting CT which could cause the Integriti controller to reset when using a newer version of the Integriti System Designer.
- Corrected an issue where the PrismaX could in some circumstances lock up when attempting to create users.



INTEGRITI

Version 19.0.1

June 2019

Alterations

 When using the set user location action, if the user was already in an area, decrement the user count for that area.





Version 19.0.0

May 2019

Important Upgrade Note

- Upgrading to this version will automatically default the controller programming, therefore Inner Range recommends to be on site whilst performing this upgrade. If the panel is configured to connect to the Integriti server using a DNS record, the panel will not be able to automatically reconnect. For this scenario connection details and DNS entries will need to be re-configured in the panel using a terminal or locally connected Integriti CS or Integriti Pro connected via SkyTunnel.
- Prior to this firmware upgrade Inner Range suggests that the Installer verifies the panel is connected to SkyTunnel, as the programming for this connection will persist after the upgrade and it can be used as an alternate path for the Integriti Comms Task.

New Features

- Added a new comms task for Alarm Reporting. Support for the WebWayOne communication protocol has been added with the ability to report alarm events via either ContactID or SIA.
- Added programming in the door type (Allow Rex/Ren in Override) which provides the ability to use the REX/REN (if enabled by the button mode) while a door is override locked
- Added programming in the door type (No Rex/Ren Review) to suppress REX/REN review when enabled
- Added a programming option to interlocks (Include Automation) to cause software based unlocking adhere to interlocking rules
- Added an additional flag to the door action (Ignore Interlocks) to allow overriding interlock logic even when "Include Automation" is programmed in the interlock
- Added programming to readers (PIN * Toggles Area) which provides the ability to do PIN+star arming/disarming from keypad readers
- Added programming to areas (Isolate on Access) that when enabled will cause arming via an
 access event to isolate all unsealed inputs instead of failing the arm
- Added the ability to isolate inputs on a missing module when arming via an elite(x) terminal
- Added support for the Integriti System Designer to disable a card credential in a card + pin situation with repeated entries of incorrect pin data
- Added support for working in a partitioned system. A partitioned system is a grouping mechanism implemented in the Integriti System Designer
- Added support for putting NZ telephony settings in the database defaults
- NOTE: This feature only works for panels that were originally produced with the V19 or later firmware
- Added a new elite(x) terminal screen under MENU 1 9 to display some important global settings
- Added separate permission bits to the door permission entity to allow "2 badge" settings. This
 allows flexible configuration of who can do 2 badge things on a door



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 Added programming of "Edit own PIN" to Menu Group options. Also added an elite(x) terminal screen under MENU 8 4 where users can change their own PIN

Alterations

- Changed the default programming that the control module creates for un-programmed inputs to have zone_self_test and summary_zone enabled
- Removed the restriction about having IFDAMS and I2DAMS on an Integriti Access Controller's (IAC) RS485 LAN
- Changed the default programming for the "LAN Fail Delay" from 0 to 5 seconds
- Removed elite(x) programming screens for several item types which are unusual to program via the terminal:
- Telephone number lists, floor lists, lift lists, EOL configurations, card templates, card formats and external modem

Issues Resolved

- Resolved issues with the performance of readers on an Integriti Access Controller (IAC)
- Resolved some minor issues with poll fail and low battery signalling on the paradox module
- Resolved issues with Modbus handling of analogue inputs
- Resolved issues with heartbeat processing for Kone RCGIF systems
- Resolved issues with rate limiting of messages for Schindler lift systems
- Resolved issues with resending of state messages when server communications are lost then reconnected for OTIS lift systems
- Resolved an issue in the GSM comms task when reporting virtual module inputs
- Resolved an issue with sending Input status over the web interface, as used by Integriti Mobile
- Resolved an issue when users with the "Ignore Door Override" option set in their Menu Group programming tried to access a roller door



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Version 18.2.1

April 2021

New Features

• Added support for IAC RevD hardware.





Version 18.2.0

December 2018

New Features

- Added new DC siren tone, to facilitate driving DC powered sounders that generate their own tones.
- Added a "two badge action" arming mode to doors, to allow an arbitrary action to be performed on a double badge.
- Added a new "two badge free access" arm mode to doors. This will put the door into free access on a double badge then lock again on a single badge.
- Added a door re-locking on door open mode where doors can be programmed to re-lock when the door is opened rather than after door re-closes.
- Added a PIN attempts lockout for keypad readers. This will prevent PIN access on readers for 1 min after 5 consecutive failed PIN attempts.
- Added support for a "User Programmed Key" on the OSDP bus of a host module, where supported by the readers. This allows the installer to set a custom OSDP key. (Requires ILAM V3.2.0 or SLAM V3.2.0 or later)
- Added support for changing the address of OSDP readers, making the installation of non-SIFER OSDP readers easier. (Requires ILAM V3.2.0 or SLAM V3.2.0 or later)
- Added the ability to firmware update the Level 5 User Expansion Kit hardware from the Integriti
 pro software (Need Integriti Software V18.2 or later and Expansion Kit firmware V0.7.9)
- Added the custodial lock programming for SLAM's. This will enable integration with Chubb 3R63 custodial locks. (requires SLAM V3.2.0 or later)
- Extended the challenge response programming in readers to add a mode where every access is challenged, not just those from users with the ask_pc bit in their user programming.
- Added support for programming the ECOLITE tag type technology to be enabled on SIFER readers. (requires SIFER V1.16.0 or later)

Alterations

- Improve card review to always print the Card Format in use at the reader.
- Changed the default programming for the SkyTunnel IP address, and removed the second address programming
- Changed area counting to happen on the door being opened, when reed/tongue sense is configured, instead of when access is granted.
- Added some DNS servers to the programming defaults.

Issues Resolved

- Make ILAM off-line permissions processing correctly handle deny permissions.
- Make lift processing correctly handle deny permissions.
- Make the web interface and smart-phone app correctly handle large numbered AUX lists.



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- Fixed an issue when "Force Debounce" was programmed on a door, where the controller could fail to detect a door opening event.
- Resolved an issue with the GSM Comms Task correctly handling backup Comms Tasks.
- Resolved an issue with the Elite(x) Logged Off Keys Arrow Mode "Area Text" display.



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Version 18.1.8

October 2018

Issues Resolved

• Resolved a configuration issue that could cause a small number of panels to watchdog reset, especially at elevated temperatures.



INTEGRITI

Version 18.1.7

August 2018

Issues Resolved

• Resolved an issue when "Level 5 USer Expansion Enabled" was programmed, where panel programming could be lost on panel reset.



INTEGRITI

Version 18.1.6

July 2018

New Features

- Added support for mimic panel software.
- Added support for the Honeywell fire panel serial comms task.
- Improved Modbus comms task support.
- EMS comms task: added support for disabling default masks for KONE, to support multiple controllers per group controller.
- EMS implemented the ability to send to the last received IP address when using OTIS IP.

Issues Resolved

- Resolved an issue with battery test on area arm, when arming from the Prisma/PrismaX.
- Resolved issues when using Integriti mobile over SkyTunnel, where it could take a long time to retrieve entities.
- Resolved an issue where firmware updating a SIFER on a Prisma/PrismaX will now work when initiated by a Prisma/PrismaX
- Resolved issues that prevented running multiple concurrent GSM comms tasks.
- Resolved an issue that prevented the GSM comms task communicating with a T4000 at 115200 or 230400 baud rates.
- Resolved an issue where if a Unibus UB2DAM attached to an IAC was reset the doors on it may not be in the correct state at startup.
- Resolved an issue with the GSM comms task when talking with a T4000 where long names could cause IRfast alarm text with trailing random characters.
- Resolved an issue with EMS comms task on-line input when talking to OTIS lift controllers.

Alterations

EMS comms task, removed background mask sending when talking to OTIS lift controllers.



INTEGRITI

Version 18.1.5

May 2018

New Features

- · Added support for the PrismaX terminal.
- Added a new "Door State Follows Area State" mode called "Lock Either" which will lock the door if
 either the inside or outside areas arm, but will not unlock the door when the area disarms.
- Added the ability to configure the timeout for loss of communications on the AIPHONE interface. If there is a timeout the on-line input will alarm.
- Added support for the Level 5 User Expansion Kit.
- Extended the OTIS integration to add support for Mode 3 Home Floor Calling with user selection of floors.

Issues Resolved

- Corrected the "No Immediate Entry Disarm" feature to work with "Extended Exit" processing for EN50131 markets.
- Corrected an issue where updating a SIFER firmware could repeatedly fail and required a controller reset to succeed.
- Resolved an issue with input messages not being displayed correctly on Prisma terminals.
- Resolved an issue with the GSM Comms Task to allow it to work with a baud rates other than 1200 baud.
- Resolved an issue where if the reader purpose for reader 1 on an access module was set to control a lift, the REX/REN buttons on the module did not work.
- Resolved an issue when using "Door State Follows Area State" and "Free Access Time Periods" where after the first access event the door would re-lock immediately.
- Resolved an issue when using "Door State Follows Area State" and "Free Access Time Periods" where if the area was disarmed when the timperiod was invalid the door was incorrectly being unlocked.
- Resolved an issue with EliteX input configuration which could cause the EliteX zones to not report their state correctly.
- Resolved an issue when checking permissions for "Control An Area" type actions.
- Resolved an issue where SIFER readers connected to an IAC could stop giving card badged feedback if the SIFER readers OSDP address had changed since power up.
- Resolved an issue with valid and Invalid feedback from UB2DAM's connected to an IAC.
- Resolved an issue where an EliteX would display a blank screen after card+PIN access.
- Resolved an issue with OSDP readers connected to an IAC where the programmed "crypt mode" was not enforced for readers that reported they were not capable of encryption.
- Resolved an issue with the Schindler lift support in the EMS Comms Task what was introduced in V17.0.6.30929

Alterations



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- Beep the Elite, EliteX, Prisma and PrismaX when a user logs on with a card.
- Added the RF Fob Template information to the RF Remote review.
- Changed REX/REN access to not cancel an existing timed unlock of the door.
- Changed SkyTunnel to attempt connections for 30 seconds instead of 10 seconds.
- Renamed the "User Codes" permission in Menu groups to "Edit Users" to better reflect what it actually does.
- Changed the default programming for the "Staff Menus" menu group to not have the "Edit Users" permission.
- Added the functionality to save the AURM flag over a firmware update and default from the software. NOTE: this will only take effect when updating from this firmware version.
- Added the connection path to the connect/disconnect review for the Integriti Comms Task.
- Minor improvements to the Elite language character mappings for non-English versions.
- Altered the default programming for the "Installer" and "Master" so they have the "AURM Permanent" flag.





Version 18.0.0

November 2017

New Features

- Added the ability to override the DOTL setting programmed in the door from the door type
- Added the a new LED mode programming for the EliteX, where the the LED's will only follow the state of the EliteX's AUX's

Issues Resolved

- Resolved an issue with ILAM off-line permissions when a user has been granted permission directly to a door instead of using a door list.
- Resolved an issue with the SkyTunnel on-line input restoring before the connect handshake had been completed.
- Resolved an issue with the ThyssenKrupp EMS high level lift interface with user feedback.
- Resolved an issue copying files between drives at Menu-7-4 using the Elite Terminal.
- Resolved an issue where unibus modules on an IAC could go off-line when 3-badge arming from a reader on the IAC or attached Unibus 2 Door Module.
- Resolved an issue with permissions where the "when" clause specifies a permission is granted or denied when a user qualification (eg: car park credit, site induction) is not qualified.
- Resolved an issue where a users location could change when denied access because of an interlock
- Resolved an issue with using card&PIN on a weatherproof terminal
- Fixed an issue with Otis heartbeat messages not sent correctly

Alterations

- The controller will now send OSDP status for terminals. This makes firmware update of embedded SIFER readers easier, as the firmware version is available in the software.
- Enabled sending of default masks for Home Floor Caller lift cars for the OTIS EMS.
- Skip saving button feedback review if the floor is already in free access for lift systems using the Unibus Lift Interface.
- Improved the feedback from SIFER readers when doing 3-badge arming, so they now flash the LED as well as playing the appropriate tone.
- Intercom Added support for AIPHONE entrance stations with cameras.
- The Prisma Terminal's invalid card and reader tamper system inputs are now created by default when a new Prisma Terminal is connected to the LAN.
- Changes to SIFER feedback when 3-badge arming, to make the second read more obvious
- Optimised and improved the recovery time for lift/floor security when an OTIS system goes offline



INTEGRITI

Version 17.0.10

April 2021

New Features

• Added support for IAC RevD hardware.

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Version 17.0.9

October 2018

Issues Resolved

• Resolved a configuration issue that could cause a small number of panels to watchdog reset, especially at elevated temperatures.



INTEGRITI

Version 17.0.8

August 2018

New Features

• Added support for communicating to OTIS EMS backup servers

Issues Resolved

· Resolved an issue with updating OTIS EMS state when terminals are brought back online



INTEGRITI

Version 17.0.7

May 2018

Issues Resolved

- Resolved an issue with the Schindler lift support in the EMS Comms Task what was introduced in V17.0.6.30929
- Resolved an issue with communications to the software which under rare conditions could cause a dropout.



INTEGRITI

Version 17.0.6

December 2017

Issues Resolved

- Resolved an issue with ILAM off-line permissions when a user has been granted permission directly to a door instead of using a door list.
- Resolved an issue with the SkyTunnel on-line input restoring before the connect handshake had been completed.
- Resolved an issue with the ThyssenKrupp EMS high level lift interface with user feedback.
- Resolved an issue copying files between drives at Menu-7-4 using the Elite Terminal.
- Resolved an issue where unibus modules on an IAC could go off-line when 3-badge arming from a reader on the IAC or attached Unibus 2 Door Module.
- Resolved an issue with permissions where the "when" clause specifies a permission is granted or denied when a user qualification (eg: car park credit, site induction) is not qualified.
- Resolved an issue where a users location could change when denied access because of an interlock
- Resolved an issue with using card&PIN on a weatherproof terminal
- Fixed an issue with Otis heartbeat messages not sent correctly

Alterations

- The controller will now send OSDP status for terminals. This makes firmware update of embedded SIFER readers easier, as the firmware version is available in the software.
- Enabled sending of default masks for Home Floor Caller lift cars for the OTIS EMS.
- Skip saving button feedback review if the floor is already in free access for lift systems using the Unibus Lift Interface.
- Improved the feedback from SIFER readers when doing 3-badge arming.
- Intercom Added support for AIPHONE entrance stations with cameras.
- The Prisma Terminal's invalid card and reader tamper system inputs are now created by default when a new Prisma Terminal is connected to the LAN.
- Optimised and improved the recovery time for lift/floor security when an OTIS system goes offline



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Version 17.0.5

October 2017

Alterations

• EMS Added support for ThussenKrup legacy mask formats.



INTEGRITI

Version 17.0.4

October 2017

Alterations

• Increased the number of AUX lists in the default configuration to 1000.

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Version 17.0.3

August 2017

Issues Resolved

- Resolved an issue when using actions on door lists when the doer only has permission to a partial set of doors from the list.
- Improved the software interface for sending virtual card reads.
- Re-enabled isolate area feedback on licensed OSDP readers.

New Features

- Added programming for an additional 2 SkyTunnel endpoints.
- Added support for RevG hardware which uses an eMMC instead of an SDCard.



INTEGRITI

Version 17.0.1

June 2017

New Features

- Added the ability to have alternate IP connection paths to the Integriti software.
- Added an integration to Newlift lift systems.
- Added support for doing Card+PIN on the EliteX terminal.

Issues Resolved

- Account for the EliteX correctly in the module licensing on Infinity IAC's.
- Resolved an issue with affecting three badge arming on the C3K weatherproof terminal.
- Resolved an issue with ILAM offline permissions when door permissions are qualified by a time period, that was introduced in V17.0.0.29116.
- Resolved an issue with connection to Nemtek fence controllers.
- Resolved an issue with GSM comms task when getting areas or named actions via Multipath

Alterations

- Make the 2 link default also un-cancel the installer if he was cancelled.
- On class5 systems default the Installer PIN to 000001 and Master PIN to 000002 instead of 01 and 02.
- Made a change to the C3K weatherproof terminal to not send valid/invalid feedback on PIN entry until the enter key is pressed.
- Changed the "Tecom compatible" EOL debounce from 100ms to 300ms.
- Added review classifications to review entries that previously had none.
- Updated APERIO support to improve handling PIN entry on readers with keypads such as AU100 models.
- Dual provider time is now terminated after a valid credential.
- Card & Pin access time is now terminated after a valid PIN.
- Added asynchronous heartbeat to OTIS lift integration.
- Improved feedback tones for SIFER readers directly attached to an IAC (3 badge arm, card & PIN, dual credential).



INTEGRITI

Version 17.0.0

May 2017

New Features

- Added a programming option to the GSM comms task called "allow_restricted_status" that will restrict entity state to what the user has permissions to.
- Added support for the OSDP to Wiegand converter.
- Added support for APERIO keypads on the IAC.
- Added support for driving Tecom TS0870 readers using the serial reader bus. This is a licensed feature.
- Added support for the Aiphone comms task, which allows integration with an Aiphone GT analog intercom system.
- Added support for the Inovonics RF module. This module allows integration with Inovonics RF devices.
- Added support for the EliteX terminal module.
- Added a battery test action that allows testing of batteries at arbitrary times.
- Added a flag in the door unlock action to also allow disarming areas on either side of the door when unlocking it. NOTE: Integriti mobile will now send this flag, so the user will require permission to disarm the area on the other side of the door.
- Added the ability to debounce the LAN fail system inputs. This prevents LAN Comms system input alarms when the module goes offline then recovers immediately afterwards.
- Added review for ILAM background database synchronisation. This will help provide information to the installer about when the offline behaviour is expected to work.
- Added an "encoded review" option to the automation comms task

Alterations

- Removed REX/REN error review when the door is not configured to do REX/REN. This should allow the use of these inputs as general purpose zones when REX/REN is not needed.
- Altered the use of RF fobs to be considered local instead of remote, this means they no longer require any remote access permissions to be used.
- The priority of several review items have been adjusted to be more practical.
- Altered the GSM comms task so that if it is not programmed, we manually configure it for IRFast+Text alarm reporting and SMS control.
- For the "SOFTWARE CODEC" card type, increase the max size of credential data from 64 to 88 bits.

Issues Resolved

• Fixed a bug with general open/close reporting where if more than one area was disarmed at the same time, it was possible that the next general open was not reported.



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- Resolved an issue with area close reporting where when it was controlled by something other than a user, it was always reported as being caused by the "Exit Timer".
- Resolve some issues with CARD+PIN when used on the IAC.
- Resolved an issue when could cause incorrect card data after panel reset.



INTEGRITI

Version 16.0.9

April 2021

New Features

• Added support for IAC RevD hardware.

INTEGRITI

Version 16.0.8

October 2018

Issues Resolved

• Resolved a configuration issue that could cause a small number of panels to watchdog reset, especially at elevated temperatures.



INTEGRITI

Version 16.0.7

June 2018

New Features

• Added support for ISC RevG hardware which uses an eMMC instead of an SDCard.

Issues Resolved

• Resolved an issue when using actions on door lists when the door only has permission to a partial set of doors from the list.



INTEGRITI

Version 16.0.6

May 2017

Issues Resolved

• Resolved an issue which could cause incorrect card data after panel reset.

INTEGRITI

Version 16.0.5

March 2017

Issues Resolved

• Resolved some issues with the MODBUS comms task.

INTEGRITI

Version 16.0.4

March 2017

Alterations

• Altered the priority of some review entries.

Issues Resolved

• Resolved an issue with area close reporting where when it was controlled by something other than a user, it was always reported as being cause by the "Exit Timer".





Version 16.0.3

March 2017

Alterations

- Changed the handling of Card Type "SIFER RAW88" to actually handle 88 bits. NOTE: if this card type was used for cards > 64 bits previously, you will need to change the card type (to say Weigand RAW) to remain compatible with the old truncated card data.
- Reduced the priority of Door/Lock review when it is a Door/Lock refreshed message.
- Reduced the priority of Count Changed review to Installer Detailed.
- Improved the reliability of controller LANs with large numbers of modules when starting up and when configuration changes are being made.
- Prevented saving input count change review for inputs that are programmed to not save review.
- Added support for APERIO Prox cabinet readers attached to an IAC.

- Resolve some minor bugs in serial door integrations.
- Resolved issues in sending OSDP device status for readers on SLAM modules which prevented Integriti Software from correctly configuring SIFER readers automatically.
- Resolved an issue when sending status for comms tasks.
- Fixed a time keeping bug that could cause issues with schedules and timeperiods on the last day of a leap year.
- Resolved an issue when using the "legacy: C3K RAW" card type on an IAC where it was inconsistent with other access modules.
- Resolved an issue writing database records that could cause writes to fail for some rare patterns
 of data.
- Altered the Lock LAN function to save the current LAN modules, so they will not be locked out if no LAN secure had been performed.
- Resolved an issue with area messages for areas above 8 on LCD terminals.
- Resolved issues with the elite terminal when configured to display area lists by default.
- Display the correct area in review when doing EN50131 siren off review.
- Restrict area feedback on non-SIFER OSPD readers to the armed/disarmed status only to resolve issues with the tones and various capabilities of 3rd party readers.
- Resolved an issue with viewing the battery test time on the LCD terminal after running a battery test.
- EMS suppress sending retries after a successful transmission
- Resolve an issue with non-SIFER OSDP reader LED colours when attached to an IAC.



INTEGRITI

Version 16.0.2

March 2017

Alterations

Minor changes to review priorities to be more inline with customer needs.



INTEGRITI

Version 16.0.1

January 2017

Alterations

• Altered the permission checks when isolating on exit via the Elite Terminal to only require the isolate on exit permission and not the isolate menu permission.

- Resolved an issue where if too many analogue auxiliaries sent status at once, the communications to the software could drop out.
- Resolved an issue that caused the last logical input on a LAN module to be skipped during walk testing.
- Resolved an issue that prevented zones on a unibus zone expander attached to the control module to not isolate correctly.
- Resolved an issue where the EN50131 programming would not immediately take effect for Prisma Terminal processing.
- Resolved an issue where the Elite Terminal would not change its default display when its programming was changed.
- Corrected issues with PIN entry for SIFER devices.
- Resolved an issue where if area list 1 did not exist then area lists could not be controlled from the Elite Terminal.
- Resolved an issue where some text displayed on the Elite Terminal was not aligned correctly.
- Resolved an issue on the Prisma terminal for users with an ID > 100,000.
- Resolved an issue in communicating with the software when sending entity status.
- Resolved an endianness issue with the ThyssenKrupp RS232 lift protocol, also added optimisations and robustness improvements.



INTEGRITI

Version 16.0.0

October 2016

New Features

- Added support for controlling up to 1000 lockers per controller. Also added an action to remotely control lockers. Locker integration requires smart card license.
- Added the ability to perform a commissioning for all areas using a single "Make XMIT for Area" action by programming the area parameter as NULL (empty).
- Additional networking information added to the basic.xml web page generated by the controller.
- Added a new "ARC" comms task.
- Added support for informing the Integriti software operator about the cause of a credential clash error
- Added support for remote card reading and "Phantom SLAMs". These are used for integrations that require virtual card reads.
- Added the "Prevent Keypad Editing" feature, this prevents programming changes from being made from all terminals.
- Added the "Arm if Sealed" option to the "Control Type" in area action programming. This allows
 the area control action to only arm if the area is secure. If this action fails it will sound the Arm Fail
 tone programmed for that areas siren and print the first unsealed input in review.
- Added the ability to suppress the card data review, when the card is for a known user.
- Added support for Otis V3.0 with card credential functionality.
- Updated support for Kone lifts, adding the V1.8 call types feature.

Alterations

- Doors will now abort a timed lock if they are already locked. This prevents unwarranted unlocking at the end of the lock time.
- Removed support for the Securitel comms task.
- 2 stage arming is now programmed per area, instead of being enabled for all areas when EN50131 is enabled. NB: See Important Upgrade Notes.
- The reader invalid (xn RDRn Invalid) system inputs are now triggered when an access is denied, instead of when a unknown card is presented.
- The priorities of some important review items have been boosted to be more in line with user expectations.
- The "Override EOL" option is now enabled in the default programming (for the IAC, ILAM and SLAM Integriti LAN modules), this enables the REX and REN to work with dry contacts without additional programming. Previously the default behaviour was to require EOL resistors on these contacts.
- Resolved an issue with the Kone lift interface where default masks were not being sent on reconnection.
- Resolved an issue with the Kone lift interface that caused heartbeat timeouts during heavy traffic load.





Issues Resolved

- The door control action no longer produces unnecessary review when programmed with "When Disasserted..." set to "Nothing" and the disassert edge is sent.
- If a module with an active siren is offline when the siren is turned off, the control module will ensure the siren is off when the module comes back on-line.
- Resolved an issue with C01:Z01 starting up in the wrong state if all the inputs on that input bank are shorted.
- Allow a reader programmed with "RDR purpose" set as "area toggle" to correctly handle pin inputs.
- Allow remotes on a RF module to operate correctly when "Enable RF Remotes" is disabled, but continue to prevent saving review for this case.
- Corrected the review for a card access when the "Credential Mode" set to "Card And Pin".
- Resolved an issue with non-SIFER OSDP readers when doing encrypted communications.

Important Upgrade Notes

• Customers who are using EN50131 functionality will need to program "Use 2 stage arming from terminals" in appropriate areas to maintain the existing functionality after upgrading.



INTEGRITI

Version 4.3.7

October 2018

Issues Resolved

• Resolved a configuration issue that could cause a small number of panels to watchdog reset, especially at elevated temperatures.

INTEGRITI

Version 4.3.6

June 2018

New Features

• Added support for ISC RevG hardware which uses an eMMC instead of an SDCard.

INTEGRITI

Version 4.3.5

December 2017

Alterations

• Improved the reliability of LANs with large numbers of modules when starting up and when configuration changes are being made.

- Resolved an issue with area messages for areas above 8
- Resolved an issue which could cause a small amount of programming to be incorrect after a panel reset
- Resolved an issue when using actions on door lists when the doer only has permission to a partial set of doors from the list.
- Resolved an issue where UniBus modules on an IAC could go off-line when 3-badge arming from a reader on the IAC or attached UniBus 2 Door Module.



INTEGRITI

Version 4.3.4

February 2017

Alterations

- GSM comms task, when commands are received via SMS with credentials replace the doer in review (the Comms Task) with the user corresponding to those credentials.
- Kone EMS: implemented call types functionality and protocol version 1.8 functionality.
- Kone EMS: implemented changes needed for factory acceptance test.

- ThyssenKrupp EMS: fixed an issue where feedback message user-name was displayed incorrectly.
- Kone EMS: fixed an issue where default floor masks were not sent if lift car access was in progress.
- Resolved an issue where the Prisma terminal could not view users with record numbers number greater than 100,000.
- Resolved some minor bugs in serial door integrations.
- Resolved issues in sending OSDP device status for readers on SLAM modules to the software. This affected the software's ability to automatically configure SIFER reader programming.
- Resolved an issue when sending the stop and start status for Comms Tasks to the software.
- Fix a time keeping bug that could cause incorrect time display on the last day of a leap year.
- Resolved an issue when using the "legacy: C3K RAW" card type on an IAC.
- Resolved an issue writing database records that could cause writes to fail for some rare patterns
 of data
- Resolved an issue where the wrong doer was placed in IRFAST text when an area was controlled by something other than a user.



INTEGRITI

Version 4.3.3

November 2016

Alterations

- Implemented changes to make the area feedback on OSDP readers more reliable.
- EMS THYSSENKRUP RS232 Stopped sending default masks on button time expiry
- Altered isolating on exit on the LT to only require the isolate_on_exit permission and not the isolate menu permission
- The priorities of some important review items have been boosted to be more in line with user expectations.
- The "Override EOL" option is now enabled in the default programming (for the IAC, ILAM and SLAM Integriti LAN modules), this enables the REX and REN to work with dry contacts without additional programming. Previously the default behaviour was to require EOL resistors on these contacts.
- Doors will now abort a timed lock if they are already locked. This prevents unwarranted unlocking at the end of the lock time.

- Resolved an issue with non-SIFER OSDP readers when doing encrypted communications.
- Corrected some review generated by the MODBUS comms task that erroneously said "Nemtek".
- Resolved an issue where if too many analogue aux's sent status at once the communications to the software could drop out
- Resolved an issue that caused the last logical input on a LAN module to be skipped during walk testing
- Resolved an issue that prevented zones on a UniBus zone expander attached to the control
 module to not isolate correctly
- Resolved an issue where the EN50131 programming would not immediately take effect for GT processing
- Resolved an issue where the LT would not change its default display when its programming was changed
- Corrected issues with pin entry for SIFER devices
- The door control action no longer produces unnecessary review when programmed with "When Disasserted..." set to "Nothing" and the disassert edge is sent.
- Corrected the review for a card access when the "Credential Mode" set to "Card And Pin".
- Resolved an issue with C01:Z01 starting up in the wrong state if all the inputs on that input bank are shorted.
- Allow remotes on a RF module to operate correctly when "Enable RF Remotes" is disabled, but continue to prevent saving review for this case.
- If a module with an active siren is offline when the siren is turned off, the control module will ensure the siren is off when the module comes back on-line.



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- Resolved an issue where if area list 1 did not exist then area lists could not be controlled from the LT module
- Resolved an issue where some text displayed on the LT module was not aligned correctly



INTEGRITI

Version 4.3.2

August 2016

- Resolved an issue with the SIFER feedback display and tones when connected to a SLAM or ILAM. This issue was introduced in V4.3.0.
- MODBUS integration corrected an issue where setting the state only worked when setting it to sealed.
- NEMTEC integration resolved an issue in waiting for reply processing.

INTEGRITI

Version 4.3.1

August 2016

Alterations

• Implemented "Swap Seal and Alarm" for the controller cabinet tamper system input.

- Fixed an issue with input licensing that caused system inputs to be counted as zones (in V4.3.0).
- Fixed an issue with the "No Xmit Restore" feature when used on transitory inputs like the "C01 Time Report" input.
- Resolved some minor EMS (lift) HLI Remote Call Giving InterFace (RCGIF) issues.

INTEGRITI

Version 4.3.0

June 2016

New Features

- Door Override, added a override door action, where the dis-assert will return the door to normal operation.
- Door Override, added a new "force" mode to door action, that will work when the door is overridden
- Door Override, added a new menu group option "Ignore Door Override" that allows some people to access overridden doors
- Added a new programming option to areas "Remote Arming Suppresses Exit Delay", where if enabled will cause arming by various methods (software/automation/3-badge) to not implement exit delay
- Added "Alternate Process Group" and "Qualifier" to process groups, to allow the configurations of qualified process groups
- Added an option to card formats to allow the reversing of direct entry format card data. For use
 when different readers supply UID data in different orders (NB: does not reverse card data bytes
 when card format is a site code type).
- Implemented a programmable ring cadence time for the ISC on-board dialler.
- Added an option to Elite and IGT programming called "Require Card + PIN to Login" which when enabled will only allow login with card and PIN
- Added support for Infiniti class 5 controllers.
- Added support for Advanced LAN encryption on Infiniti Class 5 controllers (which uses AES).
- Added support for Class 5 Expanders on Infiniti Class 5 controllers.
- Added support for Class 5 End of Line Modules (ELM) on Infiniti Class 5 controllers.
- EMS implemented the Otis IP protocol.
- EMS implemented ThyssenKrupp home floor calling.
- MODBUS implemented Modbus serial and IP protocols.
- NEMTEK implemented a Nemtek fence integration.

Alterations

- Door Override, simplified the review when attempting to access an overridden door to say the
 access attempt failed instead of the door aux failing to activate.
- Modified the "Fixed Pin code length" to be a "Minimum Pin Code Length" and added a "Maximum Pin Code Length" programming. NOTE: if you require the old behaviour program both settings to the same value.
- Added an option to the "Battery Test" "Day of Week" setting called "EveryDay" to allow performing a battery test every day.
- Modified the Integriti IAC licensing to be less restrictive and more like the ISC.
- Updated the "Intrepid" fence integration Comms Task.





• Improved the default panel programming.

- Fixed an issue where MIFARE Classic cards were not being read correctly when badged at Aperio readers attached to the IAC that were configured to return sector data instead of just the UID.
- Fixed issues with IP disconnections when using the Automation Comms Task via TCP/IP which could cause the Comms Task to lock up.
- Fixed a minor issue with the input soak test feature.
- EMS fixes and enhancements to the KonelP integration.
- Fixed issues where credentials longer the 32 bits received via Wiegand into the UniBus Door Module attached to an IAC would cause a fault with with the UniBus Door Module.



INTEGRITI

Version 4.2.4

February 2016

Alterations

- Added support for SALTO readers on a SLAM.
- Now door override status is always sent regardless of door reed or tongue configuration.
 Previously doors that didn't have reed or tongue inputs to sense the door open state also didn't send the override status.
- Add a control module system input C01:S19 C01 Siren Power Fault for European markets requiring EN50131 compliance.
- Rationalised Process Group defaults to work across a range of markets. Only new sites will get the new process group defaults, old ones will keep their old programming except if Prefer Controller Changes is selected and a new controller is enrolled. The new defaults will have slightly different names and programming but should be functionally the same for most markets. These new defaults are enhanced for EN50131 markets. These Process Groups process additional input states that are used in some European installations. Some reporting codes for some Process Groups have changed also so these should be checked for suitability on the first install.
- Make the area count value of an area be accessible to certain processes like Macros. Previously
 the number of users in an area could be used in certain contexts but this value wasn't visible to
 certain automation constructs.
- Allow use of a SOFTWARE CODEC card type in the controller. This allows the software to generate cards for users which have a more complex card format than was previously able to be supported in Integriti. This may require custom code from IR which incurs a support fee.

- Fixed an issue when arming remotely where for some process group programming if an input was in alarm before area arming, the input did not trigger an alarm in the area at closing.
- Fixed an issue where if a user with a tenancy area viewed certain programming screens on a Prisma, the Prisma failed to retrieve the programming data from the panel.
- Made stopping and starting of Macros more reliable.
- Ensure door configuration changes take effect immediately on the door LAN module.
- Corrected an issue that could cause logging on to an elite terminal slow.
- Corrected an issue with displaying un-acknowledged events in EN50131 mode.
- Resolved an issue that prevented the Prisma terminal from returning to the default display when a terminal message became invalid.
- Corrected an issue where the elite terminal could lock up when displaying off-line named actions when none were configured.
- Resolved an issue when using card + pin on the Prisma terminal.
- Corrected the door list action to work correctly again.



INTEGRITI

Known Issues

Some customers may experience license issues after upgrading to this firmware version. This
problem can be resolved by defaulting the controller. Because of this possibility we recommend
all customers back up their database in the software before upgrading and default the controller
after upgrading to this version of firmware. Instructions for defaulting can be found in the
controller installation manual.



INTEGRITI

Version 4.2.3

December 2015

Known Issues

• The Door List action is not operating correctly.

Alterations

 Updated EN50131 functionality. It should now be possible to program a EN50131 compliant system.

- Fixed a bug where confirmation sirens using a chirp tones on concept expanders could cause sirens to sound indefinitely.
- Fixed a bug where an input in two areas may never be able to complete a walk test.
- Resolved an issue where an alarm -> tamper -> alarm would cause a walk test success.
- Corrected the UniBus information display on the IGT.
- Corrected some area review to have the correct area number.
- Corrected a database issue, when using 2 Integriti Comms Tasks, that could sometimes cause users to be deleted when connecting to an Integriti software.
- Corrected an issue where INTEGO doors on an IAC could not be placed in free access, but would instead unlock for the door unlock time.



INTEGRITI

Version 4.2.2

November 2015

- Fixed an issue where input level messages were incorrectly displayed to a user who had a menu group that had "Ack Message" and "Ack All Messages" disabled.
- Stopped performing a dis-assert of an areas "Zone Test Action" when disarming the area.

INTEGRITI

Version 4.2.1

October 2015

- Fixed disarming an area using the Integriti Prisma terminal while the area is in exit delay.
- Fixed a bug in the elite terminal where it could, under rare circumstances lock up when viewing area lists.
- Fixed the door access granted action to use the door as the action doer, so the action is always permitted.
- Fixed the door access granted action when the qualification is a permission group that is the users primary permission group.

INTEGRITI

Version 4.2.0

September 2015

New Features

- Added programming to make SMS numbers configurable per area and per process group
- Added programming to Card Formats to define an ignore mask for direct entry type Card Formats
- Added programming so the panel can perform "Daylight Savings" adjustments (to dynamically adjust the time for sites that do not use software)
- The Elite terminal can now display the state of the "online input" for reporting Comms Tasks and the SkyTunnel connection
- The Elite terminal now supports displaying and entering Polish text
- The Elite terminal now filters the arm area list display to lists that the user has some permission to
- The IAC now supports Simons Voss "Intego" wireless door locks
- Location change review has been added, which can be used to track when a user is granted access but then doesn't open a door
- An option has been added to door programming to allow an action to be performed when access is granted, which can be limited to a specific group of users
- An option has been added to door programming which will prevent them locking on read/tongue re-seal
- An option has been added to door programming to suppress the AUX review for the doors AUX's (lock and DOTL)
- An option has been added to SIFER programming to allow suppressing the DOTL tone
- An option has been added to SIFER programming to display proximity feedback
- An option had been added to OSDP programming to disable unused OSDP addresses
- An option has been added to non-SIFER OSDP reader programming to allow programming of the default LED colour
- The ack wait time option in Dialler Comms Task programming has been implemented
- An option has been added to process group programming to allow sending restores on inputs that are in alarm when the area is disarmed
- Added the ability to communicate to the software via RS232

Alterations

- More robust OSDP reader support
- Changed the behaviour of the "mask door forced" option to not trigger the valid AUX or SIFER feedback on REX/REN access
- Improved the Elite test menu, when controlling sirens
- Changed the default value for the "AC hold off" option to 30 seconds instead of 0
- Changed the "Walk test" to require an ordered "sealed to alarm" and then "alarm to seal" instead of just a "sealed to alarm" transition
- Updated the default DNS name and IP address of the backup SkyTunnel server





- Enhanced ring detection to support NZ PSTN lines
- Altered the modem manager to not count rings and generate review for an incoming call, if the "rings to answer" is set to 0

Issues Resolved

- Fixed a bug where interlocking could occasionally fail when two cards are badged at exactly the same time
- Fixed arming an area via a reader with "Arming Mode" set to "Area Empty" to not rely on the permissions of the last person out of the area
- Fixed connection issues from different CS instances
- Fixed some modem connection issues
- · Fixed some issues when communicating with the software
- Fixed some bugs with named actions that trigger on users or permission groups where they were incorrectly triggered on invalid access attempts
- Fixed a bug when using dual credential with antipassback and trying to grant amnesty
- Fixed bugs with Caller ID detection when an incoming phone call is being received. This makes ring detection more reliable in NZ.

Known Issues

- Disarming an area using the Integriti Prisma terminal while the area is in exit delay fails. (The user must wait until exit delay finishes, to disarm the area).
- In rare circumstances when scrolling in the area list control screen it is possible to "lock up" the elite terminal requiring a power cycle of the terminal.
- The door access granted action is incorrectly evaluating the permissions of the person who was granted access to the door.



INTEGRITI

Version 4.1.3

August 2015

New Features

• Added support for Aperio doors on the IAC.

Alterations

• Added support for the general RF Door smart card license.

Issues Resolved

• Fixed a bug where many (~100,000) writes of user card data or user security pins could cause the panel to reject further writes of these types until reset.



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Version 4.1.2

July 2015

Alterations

- Changed the name of several process groups to include industry standard nomenclature.
- Changed input processing at the end of exit delay to only send an input alarm if one had not already been sent (i.e. for an input that is using a Burglary Delay process group).
- Changed the reporting of ContactID with the SIMS2 mapping to not limit the module number to 35.

- Fixed an issue introduced in 4.1.1 where area closes were not getting reported. This can be worked around by setting the "Close at Exit" option in area programming.
- Fix an issue where upgrading an Integriti panel that was last defaulted on firmware V3.1.0.18527 or earlier, would cause zones to become unlicensed.
- Fixed a bug in programming the SkyTunnel password from the terminal when it was less than 8 characters.
- Improved IP packet handling to resolve a network lock-up issue.





Version 4.1.1

June 2015

New Features

• Added features and support to comply with the EN50131 standard. Compliance not yet claimed.

Alterations

• Added a functionality to allow a single reader head to support multiple card formats. This is achieved by configuring "alternate" card formats so that when a card is presented, if the card's bit length does not match the current format the alternate format(s) are tried.

- Resolved an issue with the serial flash that could sometimes cause problems with updating panel firmware.
- Altered the modem low volts warning to reduce amount of review generated.
- When a terminal no longer has a valid message to display, change the display back to default.

INTEGRITI

Version 4.1.0

May 2015

New Features

- Added the reset panel action.
- Added support for the C3K analogue module with IR 994089 temperature sensors in "Freezer" mode.
- Added support for Otis RS232 button feedback review.
- Added review to identify who has caused the Integriti CT to be created (E.g. when an Integriti CS
 connection is being established).

Alterations

- Made door lock and DOTL aux review obey the "no aux review" flag programmed in the Aux.
- Made a change to the GSM Comms Task so that when reporting IRfast+text in C3K compatible
 mode and the input point is outside the the C3K map, to send the name of the original input not
 the name of the substituted point.
- Make the license state of virtual module inputs reflect the licensed state of the module.
- Sound the arm fail siren tone when failing to 3-badge arm or button arm.
- Make the GSM Comms Task retrieve the names from foreign panels when reporting peer generated review.
- Make the GSM Comms Task retry sending communications to the Multipath STU, and add additional review when retries are occurring.
- When logging onto the elite terminal, make the 'alarm acknowledge' screen take priority over the 'area disarm' screen, even when the siren is running. NOTE: People can use the "Auto Siren Off" menu group programming to automatically turn the siren off when logging onto the terminal.
- Added the Intrepid Comms Task.
- Added refreshing the display of all logged off LT modules at midnight (so that any level messages and time displays will be updated).
- Obsolete the "attempt time" programming in both the LT and GT module programming
- Changed some functionality when logging onto the elite terminal to prompt the user to disarm the elite terminal's associated area if the sirens are on.
- Enhanced the "PIN + ON" and "PIN + OFF" functionality of the elite terminal.
- Changed the "isolate on arm" functionality of the elite terminal so that the user must now confirm the input being isolated.

- Resolved an issue where having P2P review from a foreign controller could significantly slow down text generation in other places (e.g. LCD terminal text).
- Resolved an issue where a failed firmware update to a module over the LAN could prevent further update attempts.



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- Resolved an issue in the Automation Comms Task where some review programming options were being ignored.
- Resolve an issue in IRfast where some inputs could not report all states (E.g. alarm and seal were allowed and isolate was not).
- Resolved an issue with sirens that could be caused when systems were programmed by the elite terminal
- Improved validation of communications with the Integriti software.
- Generate a status update when a general variable is modified in a macro.
- Make the "reader invalid" and "reader duress" system inputs work for the 3rd and 4th SIFER reader on a SLAM.
- Make an override door action that has an assert type of "none" actually do nothing.
- Improve validation in the make xmit action.
- Resolved and issue where we could generate excessive low line volts review.



INTEGRITI

Version 4.0.2

February 2015

Alterations

• Updates to the IAC support



INTEGRITI

Version 4.0.1

December 2014

New Features

- · Added review for unlicensed modules.
- Added support for IAC RevB boards.
- Added support for Infiniti hardware.

Alterations

- Improve the "Line Volts" system input to be more usable in a shared telephone line environment. The new behaviour is to go into alarm when either the line voltage drops below 5V or the line voltage drops below 15V for longer than an hour.
- Prevent system secure if there are unlicensed modules present on the LAN.

- Fixed a bug in the GSM CT, when using Integriti IRfast with text, without the C3K compatibility
 mode enabled, where the name of some inputs on Integriti modules could be reported incorrectly
 in the text.
- Fixed a bug in the dialler CT when using IRfast without the Xmit Historic flag, where when an area is disarmed during event reporting, an event for this area could be reported incorrectly.
- Make review for system inputs larger than 99 display correctly.
- Fixed review generation when the re-arm timer is > 2 hours.
- Improve the reliability of firmware download to SIFER modules from the IAC and SLAM modules.
- Resolved an issue that could cause a watchdog reset when arming/disarming a large number of areas at once.



INTEGRITI

Version 4.0.0

November 2014

Important Notes

To see the list of changes prior to V4.0.0 see the release notes for V3.3.8 and earlier. These
release notes will be found in the download area for V3 controller versions.

New Features

- · Added support for Inner Range SIFER readers.
- Added an option in door programming to show in review if the door was opened after access (if door reed or lock tongue are enabled).
- Added support for Standard LAN Access Module (SLAM).
- Added Schindler lift support to the EMS Comms Task.
- Added the door name to review for SALTO on an ILAM where applicable.

Alterations

- Review is now streamed to the software in the order in which it is generated by default.
- The default reader maps have changed for Integriti modules and controllers that can have readers.
- SIFER Direct and SIFER Site Code card formats have been added to the defaults.
- MASK, ORIENT, FAULT and RANGE input states have moved from alarm to tamper processing (always processed when 24h part of area is armed).
- The ILAM will now only send "PIN accepted" LED feedback after the final digit of the PIN has been entered (success/fail).
- Various changes towards EN50131 compliance, not affecting markets outside of Europe. Not enabled by default.
- Allow qualifications on named actions that have a user or permission group as the trigger entities.

Issues Resolved

 Fixed issue which prevented users arming the 24h part of an area from a Prisma Terminal when there was an unsealed input in the area.



INTEGRITI

Version 3.3.18

October 2018

Issues Resolved

• Resolved a configuration issue that could cause a small number of panels to watchdog reset, especially at elevated temperatures.



INTEGRITI

Version 3.3.17

June 2018

New Features

• Added support for ISC RevG hardware which uses an eMMC instead of an SDCard.

INTEGRITI

Version 3.3.16

October 2015

- Fixed a bug where many (~100,000) writes of user card data or user security pins could cause the panel to reject further writes of these types until reset.
- · Fixed a bug when using dual credential with antipassback and trying to grant amnesty
- Resolved issues in communications with the software
- Altered the modem low volts warning to reduce amount of review generated.
- Enhanced ring detection to support NZ PSTN lines
- Resolved an issue when connecting from different CS software instances



INTEGRITI

Version 3.3.15

August 2015

Alterations

• Changed the reporting of ContactID with the SIMS2 mapping to not limit the module number to 35.

Issues Resolved

Improved IP packet handling to resolve a network lock-up issue.



INTEGRITI

Version 3.3.14

June 2015

New Features

• Added the Schindler PORT backup server functionality

- Fix an issue where upgrading an Integriti panel that was last defaulted on firmware V3.1.0.18527 or earlier, would cause zones to be unlicensed.
- Resolved an issue with the serial flash that could sometimes cause problems with updating panel firmware.

INTEGRITI

Version 3.3.13

April 2015

New Features

• Added support for driving the C3K analogue module with IR 994089 temperature sensors in "Freezer" mode. Previously IR 994089 would not measure below 0 C in Integriti.

Alterations

- Make the licensed state of virtual module inputs reflect the licensed state of the host virtual module.
- Make the GSM comms task retrieve the names from foreign panels when reporting peer generated review.
- Make the GSM comms task retry sending communications to the Multipath STU, and add additional review to indicate retry and failure.
- Sound the arm fail siren tone when failing to 3-badge arm or button arm.
- When logging on to the elite terminal, make the 'alarm acknowledge' screen take priority over the 'area disarm' screen, even when the siren is running. NOTE: people can use the "Auto Siren Off" menu group programming to automatically turn the siren off when logging onto the terminal.

- Resolve an issue with sirens programmed into areas on systems programmed by the keypad.
- Improved validation of communications with the Integriti software.



INTEGRITI

Version 3.3.12

April 2015

New Features

• Added support for Otis RS232 button feedback review.



INTEGRITI

Version 3.3.11

March 2015

Alterations

 Made a change to the GSM comms task, so that when reporting IRfast+text in Concept compatible mode and the input point is outside the the C3K map, to send the name of the original input not the name of the substituted point.

Issues Resolved

• Resolve an issue in IRfast where some inputs could not report all states (E.g. alarm and seal were allowed and isolate was not).



INTEGRITI

Version 3.3.10

January 2015

New Features

• Added the reset panel action.

Alterations

Made door lock and DOTL Aux review obey the no_aux_review flag programmed in the Aux.

- Resolved an issue where having P2P review from a foreign controller could slow down text generation in other places (e.g. LCD terminal text) significantly.
- Resolved an issue where a failed firmware update to a module over the LAN could prevent further update attempts.
- Resolved an issue in the Automation Comms Task where some review programming options were being ignored.



INTEGRITI

Version 3.3.9

December 2014

Alterations

Improved the "Line Volts" system input to be more usable in a shared telephone line environment
as previously if another device used the same line this would trigger the input. The new behaviour
is to go into alarm when either the line voltage drops below 5V or the line voltage drops below
15V for longer than an hour.

- Fixed a bug in the GSM Comms Task, when using Integriti IRfast with text, without the C3K
 compatibility mode enabled where the name of some inputs on Integriti modules could be
 reported incorrectly in the text.
- Fixed a bug in the dialler Comms Task when using IRfast without the Xmit Historic flag where
 when an area is disarmed during event reporting, an event for this area could be reported
 incorrectly.
- Fix the Intercom Comms Task review to print door numbers greater than 9 correctly.
- Make review for system inputs larger than S99 display correctly.



INTEGRITI

Version 3.3.8

September 2014

New Features

• Added support for module lost messages from the CLOE module.

Alterations

• Change the default number of licensed users for an IAC to 10,000.

- Fixed a bug where if a panel had connected to a CS over USB then any other CS server could not connect over USB without deleting the comms task.
- Fixed a bug where a users primary permission could be displayed/edited incorrectly from the elite terminal.



INTEGRITI

Version 3.3.7

September 2014

New Features

• Thyssenkrupp button feedback review



INTEGRITI

Version 3.3.6

August 2014

New Features

- Thyssenkrupp EMS support
- Fax timed bypass support, where if call is made to the panel that stops ringing before the rings to
 answer is exceeded the panel will enter a state (for a programmed time) where it will answer any
 phone calls immediately. If rings to answer is exceeded the panel will not answer the line,
 allowing the fax to answer.

Alterations

 KONIE IP stop sending default masks periodically, just send them on connection and when changed.

Issues Resolved

Fixed a bug with Door Not Opened Review flag in door programming that when configured, would
erroneously cause a "door not opened" review entry if the door was opened, but not closed before
the door unlock time expired.



INTEGRITI

Version 3.3.4

July 2014

Issues Resolved

- · Fixed licensing of non-contiguous virtual modules
- Fix a bug with IAC zone licensing
- Fix bug when timed unlocking a door for > 4.25 minutes
- Fix an issue when badging at a door that is in timed free access which caused the door to incorrectly relock after the badge.

New Features

- Stop a user that is disabled or locked out from authenticating using the CS software.
- Added a Tecom compatible EOL in the default programming.
- Added support for dialling numbers with a '#' or '*' character in them

Alterations

- Improved the robustness of panel firmware update
- Improved some screens on the Elite terminal
- Improved error review when downloading user data to the ILAM
- Skytunnel changes to support alarm reporting
- Altered the default programming for the "c3K" EOL and the defaults used when no EOL is selected to work with symmetric 2k2 resistors and be standard compliant



INTEGRITI

Version 3.3.3

July 2014

Issues Resolved

• Fixed an issue when reporting alarms using CID and the SIMSII map, that caused the CID code to be 140 "general burg" for all zone type inputs. Now the message follows the input programming and process group programming for all points in the SIMSII map.



INTEGRITI

Version 3.3.2

June 2014

New Features

• Added support for the Integriti Access Controller (IAC) hardware.

Alterations

- Only save review for the first failed connection attempt to the SkyTunnel server, for both connections.
- Allow a user password of 01 over the SkyTunnel path, as the SkyTunnel password provides security in this case.
- Change the default reader mappings of the ILAM and the IAC to not include hardware that is not released.

- Corrected a TCP connection issue with the EMS comms task.
- Corrected an issue in the EMS comms task to set the source bits in DOP global mask to always allow.
- Corrected the review text for an analogue input that does not have a calibration.
- Corrected AUX list issues when communicating with Integriti Mobile.
- Corrected an issue where a door's tongue input was not processed if the door's reed input was not programmed.



INTEGRITI

Version 3.3.1

May 2014

New Features

• Added the ability to connect an Integriti Pro software and an Integriti CS software simultaneously to an Integriti security controller.

Alterations

• SkyTunnel only send one event per packet to allow granular acking of events.



INTEGRITI

Version 3.3.0

May 2014

New Features

- Added entity name transmission to the Peer Reporting functionality.
- Enabled Peer to Peer foreign entities via Peer to Peer License.
- Enabled global user location via Peer to Peer License
- Added a global "Three Badge Arming" time that is programmable.
- Added support for displaying Icelandic characters on the Elite LCD terminal.
- Added support for entering and editing Icelandic characters in names from the Elite LCD terminal (NOTE: This requires an Icelandic firmware version and does not provide Icelandic translations).
- Added the ability to mask the Door Forced system inputs of access modules, when the REX/REN has been pressed (for use with free egress handles etc.).
- Added programmable On-line, Fail & Backup inputs to all comms tasks where sensible (i.e. not all
 comms tasks can make use of an On-line input so it has only been added to comms tasks where
 appropriate).
- NOTE: An On-line input has also been added to the General programming for the SkyTunnel Service.
- Added lift status.
- Added a "Commissioning Report" action. This can be used in conjunction with IRfast Text to populate a Central Monitoring Station's database with the names of the inputs in an area.
- Added functionality to allow an input on a missing module to be isolated.

Alterations

- Shindler lift interface additions.
- Enhanced the 3 badge arming functionality when using a Concept IFDAM or I2DAM.
- Enhanced several review strings.

- Fixed some of the sub-area processing.
- Fixed several issues related to backup comms task functionality.
- Fixed some issues with Visionic remotes.
- Correct some default module programming (i.e. when a new module is connected to the LAN).
- Fixed an IRFAST bug when an invalid CRC was detected.
- Fixed an issue with area list control from the Elite LCD terminal.
- Fixed some issues with Integriti mobile communications.



INTEGRITI

Version 3.2.3

April 2014

Alterations

• Added the ability for a door to not update a users antipassback area/location. The counts are still adjusted for the doors inside/outside areas.



INTEGRITI

Version 3.2.2

March 2014

Alterations

• Added the ability to defer arm an area that is currently disarmed. After defer time disarmed area will arm (after warn time).

- Fixed issue with pin+1 duress from the elite terminal.
- Fixed issue where a sub area would not follow the state of the primary area if the primary area was deferred.

INTEGRITI

Version 3.2.1

March 2014

New Features

- Added the ability to do several actions together using an "Action List" feature. NB: To enable this
 feature it is necessary to perform a panel memory default to include Action Lists in the memory
 configuration.
- Added IP alarm reporting via the SkyTunnel cloud server.
- Added the ability to use hexadecimal characters (A,B,C,D,E,F) as well a numerical digits (0-9) in client codes where suitable.
- Added support of the SIA reporting format, including text, using the Dialler Comms Task.
- Added Peer to Peer alarm reporting where a panel can transfer alarms to/through another panel.
- Added the ability to add more permissions to users (Extended users) at the expense of using extra user records. This allows for a user to have:
- up to 6 cards instead of 1
- up to 68 permissions instead of 8 and
- up to 168 qualifications instead of 8
- Added the ability to arm a user's tenancy area with 3 swipe arming.
- Added the ability to control Area Lists from Radio Expanders (Paradox and Visonic).
- Added the option of custom application code for C-Bus lighting.
- Added the ability for the Integriti Controller to reconnect to the Integriti Server software after performing a firmware upgrade that requires a default. Previously this only occurred for upgrades that did not require a default.
- Added Support for displaying of ISO-8859-1 non-English characters on an Integriti Prisma terminal.
- Added support for the SIA dialler reporting protocol.
- Added the "Report Type" to Process Group programming. This new feature can be used instead
 of the ContactID point or SIA type in the Input or Process Group programming. This feature must
 be used in conjunction with Peer to Peer alarm reporting.

Alterations

- Communications to the SkyTunnel server used to establish a connection between the Integriti Controller and the Integrity System Designer or the Integriti Mobile app now operate without a SkyTunnel comms task. The connection to the SkyTunnel server is now be available as a service within the Integriti Controller. The configuration of the connection to the SkyTunnel server has been moved from the SkyTunnel comms task to the General Controller programming (all programming will be automatically converted during the firmware upgrade to this version). Only alarm reporting requires the SkyTunnel comms task.
- Updated process group defaults to better match what their names imply they do.
- Siren off actions now work without setting the override priority bit.
- Virtual modules now require a per module license.





- Changed entity identifier names as follows:
- Lift car changed from "L" to "LC"
- Area Timer changed from "A" to "AT"
- Lift Floor changed from "F" to "LF"
- Many review improvements, including adding review for licensing and putting some of the CLOE slave MAC address information into the module found review and NIC status.
- Updated the control of System Inputs when interfacing with a Salto router.

Issues Resolved

- Various fixes to LCD Terminal menus.
- Various fixes to Dialler and GSM comms tasks.
- Fix Zone Self Test (ZST) where the user was not prompted to test input(s) that were about to fail the ZST.
- Fixed cancelling of users with the Cancel on PIN option set when using the Weatherproof terminal.
- Fixed bugs when controlling area lists using RF fobs.
- Fixed Integriti IRfast reporting mapping issues.
- Fixed comms task review filtering to work correctly for RT_UACCESS review events.
- Fixed an issue preventing area arming when C01:Z01 is deleted.
- Fixed a problem with acknowledging alarms from the Integriti Prisma Terminal.

Important Upgrade Notes

 For upgrades it will be necessary to perform a Menu-7-5-2 Memory default (or Link 1 and Link 2 default) to allow Action Lists in the memory structure, which didn't exist previously.



INTEGRITI

Version 3.1.8

January 2014

New Features

Alterations

• Changed xlist processing so that when a module is not on the LAN the panel will continue processing the remainder of the list.

- Fixed an IRIP protocol bug that could sometimes cause spurious writes of random data to the panel.
- Fixed a bug when acking alarms from the Integriti Prisma Terminal.



INTEGRITI

Version 3.1.7

January 2014

Issues Resolved

• Fixed a bug where the automation comms task could alarm/restore the on-line input when reestablishing communication

New Features

• Added a feature to log analog and count inputs on a periodic bases



INTEGRITI

Version 3.1.6

December 2013

Alterations

- EMS Changed Kone RS232 null poll time to 1 second.
- EMS Don't send review for every comms time-out, just when we reach the limit.

- EMS Added a check that prevents sending button feedback message for a lift with an expired button time.
- EMS Restore on-line input when a valid response is received.



INTEGRITI

Version 3.1.5

December 2013

New Features

• EMS - Implemented button feedback review for Kone RS232.

Alterations

• EMS - Don't process the response if message has wrong number of lifts.



INTEGRITI

Version 3.1.4

November 2013

- Fixed an issue when downloading data to Integriti ILAMs (Intelligent LAN Access Modules) over the LAN, each User's per Door permissions were not being downloaded.
- Fixed an issue when downloading data to Integriti ILAMs where if a User had multiple permissions to a single Door, the most restrictive permissions were downloaded instead of the most permissive.
- Fixed an issue where the "Door Forced" and "DOTL" system inputs of C3K 2DAM modules could be triggered by Door accesses whilst the Door had been put into "free access" via its associated Time Period.



INTEGRITI

Version 3.1.3

November 2013

Alterations

- Changed HTTP review to print the time in local time instead of UTC. This affect review display in Integriti Mobile App.
- Changed the GSM Comms Task to send SMS's with the time in local time (without milliseconds) instead of UTC.
- Changed USB review to save the review time-stamp in local time instead of UTC.
- Changed the default review text to print the time-stamp without milliseconds and UTC offset.

- Fixed a bug where a backlog HTTP connections could be leaked when using multiple connections.
- Fixed a bug where if a listening IP connection received multiple SYN, but not the SYN, ACK, it would stop accepting new connections. This could cause the Integriti Controller's web server to stop working until the Integriti Controller was reset.
- Fixed issue preventing the SkyTunnel connection from being created, stopped and started on the Integriti Prisma Terminal.



INTEGRITI

Version 3.1.2

November 2013

New Features

• Added feature to use the hysteresis of an analog input to limit when review is generated for actions that set the value of an analog input.

Alterations

• Changed the trigger input action to not save a review entry if the action does not change the input state.

- Fixed a bug where arming area lists was not checking the permissions of the user correctly.
- Fixed a bug when arming an area interactively (from elite or Prisma terminals) that had an input in a virtual module would always fail.
- Fixed a bug when arming via the web server where the inputs for the wrong area were being tested



INTEGRITI

Version 3.1.1

September 2013

New Features

• Added an outgoing heartbeat to the Automation Comms Task for third party applications.

Issues Resolved

• Fixed an issue that prevented certain changes getting propagated correctly when programming from the terminal.



INTEGRITI

Version 3.1.0

September 2013

New Features

- Added support for Virtual Modules (requires Virtual Module License).
- Added Analog Auxiliary functionality.
- Added set analog Auxiliary value action.
- Added the ability to set Analog Input and Auxiliary values in Automation Comms Task.
- Added heartbeat message for Automation Comms task.
- Added Transmit Virtual Auxes to Automation comms task (requires Advanced Automation License).
- Added report review functionality for Automation comms task (requires Advanced Automation License).
- Added shorthand 'ST' command to Automation Comms Task (functionally identical to 'STart').

Alterations

- Improved Usability of client code programming screens in LCD Terminal.
- Changed the CBUS communications to use "SMART MODE" to resolve unreliable CNI communications.
- Automation Comms Task now echoes the "STart" command.

- Fixed issue where terminal logon via reader feature didn't behave correctly after the first reader on a module.
- Fixed issue where Card + PIN access through a door where the PIN is enter at an LCD or Prisma terminal didn't work correctly after the first reader on a module.
- Fixed issue where if a user badged and unlocked a door on a C3K 2DAM and during the unlock time the door went into free access, the door would relock at the end of the lock time even though it was the door free access. At this time the door won't unlock until it has first been secured again.
- Fixed issue where review for soak had the wrong soak time.
- Fixed issue where in certain cases the doer of an area open/close in IRFast was displayed incorrectly in the IRFast text.
- Fixed bugs when parsing analog strings.
- Fixed an issue in the Automation comms task where the echoed command was not identical to the sent command if it was a timed action
- Fixed an issue in the Automation comms task continually sending review when TCP connection is disconnected.
- Fixed an issue in the Automation comms task where newlines were being sent to messages that didn't require an ack.



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• Fixed an issue in the Automation comms task where the review filter was set incorrectly if left blank.



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Version 3.0.3

June 2014

Issues Resolved

• Fixed a TCP connection bug in the EMS comms task



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Version 3.0.2

August 2013

Issues Resolved

- Fixed issue with named actions of interface auxiliary control where 'timed on' timer was carried over from previous 'timed on'.
- Fixed order of items appearing in LCD terminal module editing screens which use a door map (ie: Controller and ILAM).
- Fixed issue where it was not possible to edit entire Fully Qualified Domain Name of some DNS records from the LCD terminal.
- Fixed issue where LCD Message entities (similar to Diary Message in Concept) with text longer than 16 characters where not being displayed at the LCD terminal correctly.
- Fixed issue where sometimes a panel smart card would be lost and found repeatedly and panel could reset with very large user databases with unusual user names.
- Fixed issue where force arming an area by pressing '1' with non-installer user could cause LCD terminal to lock up.
- Fixed issue where SMS control would not work unless 'Allow Help' was flagged in GSM comms task programming.
- Fixed issue where help info in Menu-7-5-3 Aux programming was incorrect.
- Fixed issue in IRFAST where client code was being distorted.
- Fixed issue where Contact ID message set in Process Group was not used in the case where the input is a general purpose zone which doesn't already have a CID message programmed. The default for alarm state was used instead (130).

New Features

- Added feature when AC hold-off time is changed to send new time to modules.
- Make the readers duress input go into alarm if a user badges or enters a PIN at that reader who
 has the duress flag set in the user record.

Alterations

- Increased the number of automation primitives in the memory config from 32 to 128.
- Changed the database upgrade to not add in new sections when upgrading.
- Changed the defaults for the Skytunnel DNS names to be more clear.
- Changed ILAM off-line review date/time text to be in the panels local time with a time-zone offset.
- Changed the Integriti comms task programming to not require the "Enable AURM" bit to be set. Any Integriti Professional connection now automatically handles this.
- Changed the area list display on the LT to be ordered alphabetically, previously the order was random.
- Make time-zone info in time-stamp text more clear.



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- Now watchdog output remains always low impedance when firmware was running instead of pulsing.
- When a user logs on to an LCD terminal and their menu group default is to show single area control, if they can control the associated area of that LCD terminal, that is the first area displayed (as with Concept).
- ILAM will pause database synchronisation while doing a firmware download.
- Changed behaviour where previously a new Unibus Aux which clashed with an existing one would get the existing ones Aux state but then not update. Now the newly added Unibus Aux card won't turn on any of its outputs if it clashes with another Unibus Aux card.



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Version 3.0.1

July 2013

- Fixed a bug when changing input programming on an ILAM.
- Fixed a bug dealing with reader module inputs.
- Removed a delay when creating/starting the Skytunnel comms task from the LCD terminal.

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Version 3.0.0

July 2013

New Features

- Added the BMS (Building Management System) comms task with CBUS support.
- Added EN32 Pin Comms task.
- Added Call floor on lift car action for EMS systems with lift calling capability.
- Added valid aux functionality for home floor caller lifts.
- Added support for Integriti Mobile over SkyTunnel.
- Added review streaming functionality for Integriti Mobile.
- Added leaf door (double doors) to door programming.
- Added concept of user qualifications.
- Added saving the FE3000's serial number and firmware version to review in the GSM. comms task.
- Added single user grant amnesty option to amnesty action.
- Added concept of door override with restore to non-overridden state.
- Added support for ILAM and off-line behaviour
- Added the option of "Use Aux List State" to Auxiliary List actions to be used in conjunction with a "Toggle" action.
- Added BETA implementation of the SIA dialler reporting protocol (not yet supported).

Alterations

- Made Automation CT checksum verification case insensitive.
- Remove idea of door access based on door inside area and replace with location.
- Enhanced LCD Terminal Paction use.
- Improved the performance of the Unibus UART.
- Made the options of GSM comms task consistent with DIGI CT and the Concept GSM CT.
- Removed the Comms Task Group programming field from the GSM, SkyTunnel & Securitel comms tasks.
- · Enhanced the Valet.
- Enhanced the serial flash.
- Removed LCD Terminal Menu-4-9 test volts. Now voltages can be viewed at Menu-1-8, although currently only control module PSU voltages can be viewed.
- Increased the number of auxiliaries that can be in an Auxiliary List from 16 to 32.
- Removed the option of "Update State Only" from Auxiliary and Auxiliary List actions.
- Explicitly prevented multiple Integriti Comms Tasks running simultaneously.
- Changed the EOL configuration for ILAM modules use the EOL configuration from bank 1 for all inputs (i.e. EOL banks 2, 3 & 4 are ignored).





- Removed the functionality from all modules for Power Supply #2 inputs. As a result changed the default names for Power Supply #2 inputs for all modules to be "spare".
- Enhanced Unibus module firmware updating review.

Issues Resolved

- Fixed an issue with Kone RCGIF not sending correct messages.
- Corrected some issues with LCD terminal use.
- Fixed an issue where Unibus UART options would occasionally not set correctly if other unibus modules were attached.
- Fixed issue not saving input review for exit/entry/pulse processed inputs.
- Fixed an issue with Salto door stuck as unlicensed forever.
- Fixed 'Report Openings After Alarm' not working.
- Fixed issue where temperature display on IGT could get stuck.
- Fixed issue where sometimes Salto Sallis doors on ILAM do not go into office mode when door is put in free access.
- Fixed an issue with Time Reports where they would eventually stop being generated.
- Corrected Input Count actions for inputs on modules other than the Controller.
- Fixed several LCD Terminal editing screens.
- Corrected an issue detecting Unibus module address collisions.

Important Upgrade Notes

- As stated above the Comms Task Group programming field from the GSM, SkyTunnel & Securitel comms tasks has been removed. The Comms Task Group filtering can be achieved via the review filtering that is available within these comms tasks. To upgrade the Integriti Controller firmware without any loss of functionality, one of the following methods can be taken:
- When upgrading the Integriti Controller firmware via the Integriti System Designer, if the Integriti System Designer is updated first to V3.0.0 or later then it will automatically migrate any existing Comms Task Group programming into the review filtering programming.
- When upgrading the Integriti Controller firmware manually (e.g. using an LCD Terminal and a USB memory stick), the existing programming will need to be re-entered using the LCD Terminal after the firmware update has completed. Before starting the firmware update process take note of the existing Comms Task Group programming. Then after the firmware update process has completed re-enter the Group programming into the review filter programming for the comms task. NOTE: If upgrading to this firmware from V2.5.2 firmware or later, then the Group programming can be entered in the review filter for the comms task before starting the firmware update process.
- When using this firmware or later, to better support Unibus modules on Integriti LAN modules, the Tamper state of the "Concept3K" EOL configuration should be set in "Band 5 States".



Version 2.5.3

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Version 2.5.3

June 2013

New Features

• Added support for Rev. D Integriti Security Controller hardware.



Version 2.5.2

INTEGRITI

Version 2.5.2

April 2013

New Features

• Added review filtering to all "event reporting" comms tasks (Digi, GSM & Securitel).

- Corrected an issue where if a Door was edited using the LCD Terminal (MENU 7 6), the "Free Access Time Period" of the Door was automatically assigned to be the first Time Period of the system (TP001).
- Corrected an issue when searching and or scrolling through the names some entity types where the search could become corrupt.
- Corrected an issue with the GSM comms task where the input's name was not sent correctly to the FE3000 when reporting using IRfast Text.
- NOTE: This bug was introduced in V2.5.0.16523



Version 2.5.1

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Version 2.5.1

April 2013

Alterations

• Changed lift access attempts so that when a 2nd user badges a card whilst the button timer is already running, enable the lift buttons for the 2nd user rather than denying them access.

- Corrected an issue where floor buttons were not enabled on card access attempts when the lift is configured for "Low Level with Button Feedback".
- Corrected an issue where visiting the card credential screen in User Editing (MENU 2 1) caused a blank card to be written to software.



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Version 2.5.0

April 2013

New Features

- Added Pre-Arm Walk Test (LCD Terminal only).
- Added Battery Test on arm (LCD Terminal only).
- Added Input Soak Testing including associated Isolate Mode of "Soak" in Isolate actions and Soak Time in Area programming.
- Added granting and removing User Amnesty for anti-passback using a new action.
- Added functionality to Door programming for handling Roller doors.
- Added 2 Stage Arming and its associated actions.
- Added support for Integrity Mobile V2 (new iPad/iPhone interface).
- Added support for Integriti Standard LAN Access Modules (not yet available).
- Added support for Integriti Intelligent LAN Access Modules (not yet available).
- Added support for Integriti Expander Modules (not yet available).
- Added integration with SALTO RF lock systems.
- Added SkyTunnel comms task for connection to an Integriti System Designer via the Inner Range SkyTunnel service.
- Added compatibility for the Integriti Commissioning Software (Integriti CS).
- Added functionality for Modem communications with an Integriti System Designer via the Integriti Comms Task.
- Added USB slave functionality for:
- Integriti Comms Task Communications to a PC
- Use as a UART
- Added new Siren tones of Beep, Warn, Fail and Success.
- Added functionality for siren tone priorities using siren banks.
- Added Area "Event Tones" to sound sirens under curtain situations (E.g. Entry, Arm fail, Warning etc.).
- Added support for Unibus 8 AUX modules.
- Added support for Unibus 8 Zone modules.
- Added support for Unibus UART modules (RS232 and RS485).
- Added "Exit display" and "Exit beep" options to the LCD Terminal.
- Enabled EMS for Kone IP and Kone Serial which was previously disabled.
- Added EMS protocol for Kone Remote Call Giving Interface (RCGIF).
- Added global off-line masks for Kone IP.
- Added listing and control of Comms Tasks from an Integriti Prisma Terminal.
- Added functionality so that after a firmware upgrade with a default, comms tasks and macros will start running automatically.
- Added the new Interface Style of 'Secure' for Named Actions.



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- Added LCD screen for license summary.
- Added new programming screens for the LCD Terminal.
- Added the following control commands for use by an Integriti System Designer:
- Reset controller
- Lockout Installers
- Reinstate Installers
- Added saving review when a User's PIN has been changed, including who changed the PIN.
- Added predefined calibrations when the Integriti Controller is defaulted.
- Added licensing for the following features:
- Legacy Concept Intelligent Four Door Access Modules (IFDAM).
- Salto global
- Added functionality so that the same Lock AUX can be used by multiple doors.
- Added the "Enable reed" option to access control module programming.
- Added the ability to program a User's card data without knowing the bit length. When using direct entry cards in Wiegand or Magnetic Swipe mode (i.e. user credential stored as raw data, not using site code or card number), setting the "Total Bits" parameter in the "Card Format" used by readers to 0 causes the controller to ignore the card length when matching to a credential from that reader. So "280000000000000123456789" and "30000000000000123456789" ("0123456789" and "000123456789") evaluates to the same credential. This same feature is also enacted when the User's credential data starts with a 0.

Alterations

- Enhanced several existing programming screens for the LCD Terminal.
- Enhanced searching the database (E.g. searching for Users) which was taking a long time in some cases.
- Enhanced Zone Self-Test support.
- Enhanced Battery Tests to stop when AC power is no longer detected.
- Enhanced review validity checking when loading review at start-up.
- Updated the review that is saved when a user who does not have "Dual Provider" permissions attempts to access a "Dual Provider Required" door.
- Updated the TCP communication rate to increase data throughput.
- Enhanced the "Walk Test" functionality so progress can be viewed on multiple or different Terminals.
- Improved a lot of review text.
- Removed a lot of extraneous review.
- Updated the GSM comms task to make SMS control compatible with Concept GSM comms task style commands.
- Enhanced loading of a database at start-up to reduce the need to perform a panel default with firmware version changes.
- Enhanced programming of sirens from the LCD Terminal.
- Enhanced functionality of the Integriti Prisma Terminal when being used with access control.





- Changed permissions checking when performing an Isolate to use the User's "Area Off" Areas instead of the "Area On" Areas.
- Enhanced review when an unlicensed User attempts an access operation (E.g. Log onto a Terminal or go through a door). Previously the review was always saved as "Unknown User", now the actual User's name is saved.
- Enhanced door functionality so that if a Lock AUX is defined in door programming (rather than just leaving it blank and letting the Integriti Controller work out which Lock AUX to use), door inputs and outputs can still be used by the door.
- Enhanced the robustness of communications with the Integriti System Designer.
- Enhanced the Automation Comms Task.

Issues Resolved

- Corrected some issues in the Automation Comms Task where the requested door state was wrong and the input states were wrong.
- Corrected an issue in the Automation Comms Task when streaming review starting from the oldest review.
- Corrected an issue with the Web Server interface where a user PIN that was longer than 2 characters was always rejected.
- Corrected an issue when using the "Look Ahead" feature of reporting Comms Tasks (i.e. Dialler CT & GSM CT).
- Corrected several issues related to LCD Terminal use.
- Corrected an issue to do with Process Groups processing zones as "Pulse Count" inputs. If the
 Area's pulse count was not met and the zone was still in Alarm at end of Area's pulse timer, an
 Alarm was not generated.
- Corrected an issue in the "LAN Lock" feature where modules that have power supplies (E.g. Big Expanders, IFDAMs etc.) associated with them would not be allowed back onto the LAN after the "LAN lock" had been enabled.
- Corrected an issue to do with reinstating AUXs after a restart.

Important Upgrade Notes

- There is a new programming option to control if doors use the "Reed Input". The new option is called "Door X enable Reed Input" and is found within "Door Access Control" in an access control module's programming. When this programming option is enabled the reed input associated with this reader will contribute to the operation of the door, and when it is disabled (default) the "Reed Input" is ignored.
- NOTE: All existing doors that use the reed input and are required to maintain its functionality will need a programming change to enable this option.
- CARD programming has changed and is now much simpler:
- "Card Style", "Mag Format" and "Wiegand Card Type" have been removed from "Reader" programming.
- "Wiegand Card Type" has been added to the "Card Format".
- NOTE: All readers using Wiegand type cards will need to program the "Wiegand Card Type" in the "Card Format" used by the reader.



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- The "No Lock AUX" option has been removed from all access control modules, in "Door Access Control" where the door hardware options are configured.
- NOTE: When multiple door hardwares are associated with a single logical door in "Door Access Control", the Lock AUX should be programmed in the logical door to indicate which hardware is used for the door. If the Lock AUX is on a door hardware, then the "Reed" and/or "Tongue" from that hardware can be enabled/disabled with the door hardware options of "Enable Reed" and "Enable Tongue".
- · Siren tones:
- Removed: Pulse 1, Pulse 2, Harp, Pack Man & Gong.
- Added: Beep, Warn, Fail & Success.
- NOTE: If any programming was using a tone that has been removed it should be changed.
- Customers with the Unibus 4 relay card (996510PCB&K) will need to upgrade to V1.1.0 firmware
 or later, which is available from the website. This is the same firmware that runs on the Unibus 8
 Relay card.



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Version 2.0.5

January 2013

- Corrected issue where Time Periods numbered greater than 255 did not correctly put doors into free access if programmed to do so.
- Corrected issue with IRfast format where the month in the date stamp sent to the receiver (i.e. FE900) was blank.
- Corrected issue where if Area List 001 was not defined then area list control did not work correctly on an LCD terminal.
- Corrected issue where if arming an area from an Integriti Prisma Terminal, after a while a
 condition can occur where it is no longer possible to arm an area as the inputs cannot be tested,
 resulting in an "Error [374]" message being displayed. This also causes input states to be logged
 to review.



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Version 2.0.4

December 2012

Alterations

• Enhanced Area arming so that if there is not enough resources available to arm the Area(s) then the Area arming process will be aborted.



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Version 2.0.3

December 2012

New Features

- Added compatibility for Integriti Security Controllers (ISC) PCB Revision 'C'.
- Added re-locking of a door on reed reseal for all doors on all module types.

Alterations

- Enhanced writing of data to the Controller's database to not trigger entities to be updated if the
 exact same data already exists. One example where this was observed was when writing the NIC
 programming the NIC would always reset.
- Changed scanning of Named Actions so that a change to either the "Trigger Entity" or the "Qualifier Entity" can trigger the Named Action. Previously the Qualifier Entity was only tested when the Trigger Entity changed.

- Corrected an issue when controlling multiple Doors with a Time Period and also using the associated Area. Also add saving of review when the door did not change state (E.g. if the action was to lock the Door and the Door was already locked).
- Corrected an issue where if controlling a Named Action from an Integriti Prisma Terminal failed for any reason (E.g. if the User did not have permission to control the particular Named Action), the Integriti Prisma Terminal always displayed success.
- Corrected an issue in the Dialler Comms Task where the delay report holdoff timer did not delay the reporting of events.
- Corrected the "1 pin" default to the Controller where User #1 did not have their PIN set to "01".
- Corrected the review that was generated when a REX/REN button was used.
- Corrected erroneous "lift enables" review when Time Periods became valid.



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Version 2.0.1

November 2012

Issues Resolved

 Corrected a problem during communications with the Integriti System Designer where if an error occurred (E.g. a credential clash occurred like there is more than one user with the same PIN/card) the wrong error information could be sent to the Integriti System Designer.



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Version 2.0.0

October 2012

New Features

- Added dynamic swapping from static to DHCP IP addressing (and vice versa) when the NIC programming is changed.
- Added re-negotiating with the DHCP server if the Ethernet cable is removed from and then reconnected to the Integriti Controller.
- Added DNS lookup for resolving the IP address of the Integriti server.
- Added options to Door permission programming to distinguish between entry and exit permissions.
- Added an optional field to Door programming for a Free Access Time Period. When this Time
 Period is valid the Door will be in free access and when the Time Period is not valid the Door will
 be locked and normal access permissions are applied.
- Added a new option to the Dialler and GSM comms tasks called "Xmit Isolated".
- Allow the Integriti Prisma Terminal to work as a Siren module.
- Added the Automation Comms Task. A License is required for all functionality except for review printing.
- Added the option of Floor Time to lift action to trigger floor timer functionality.
- Added filtering of Named Action lists and control based on module programming and "User Action Mask" when a User is logged onto an Integriti Prisma Terminal.
- Added a field so that the "Name" of the Integriti Controller can be saved.
- Added the Securitel Comms Task.
- Added support for the Concept 3K/4K IFDAM in "Simple Reader" mode.
- Added "C3K Direct Wiegand" to card format defaults.
- Added an option of "Permanent User" to User programming. The current functionality that is achieved by setting a User to be a "Permanent User" is that their card credential is sent over the LAN to access modules. When the LAN connection between the Integriti Controller and the access module is not available, these Users will be granted access through Doors (this is equivalent to Concept's Backup Cards).
- Added the Intercom Comms Task. Currently compatible with the Kenwei Intercom system.
- Added the EMS Comms Task. Currently compatible with Kone IP (Not yet available), Kone RS232, ThyssenKrupp & Otis. License is required to activate.
- Added functionality to increment/decrement the User's Tenancy area count.
- Added functionality to process 26 bit Wiegand PINs (E.g. from HID RK40 readers).
- Added additional status for Doors (E.g. Open, Forced & DOTL).
- Added scanning of User permissions for Named Action control.

Alterations

Removed "units" from analogue values so that the units are now part of the calibration.



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- Changed the test value for General Variables to be signed (i.e. positive and negative values are now valid).
- Enhanced the functionality when a Door is in free access and a Card/PIN is presented at the Door. Previously review was saved, now the Area's user count is updated, the User's Area is updated, made 3 badge arming available and added "Free Access" to the saved review.
- Enhanced the CGI interface for the iPhone application, for which a license is required.
- Added the option of "Cancel button timer" to Lift actions.
- Enhanced lift button processing to restart the lift button time if a second user badges at the lift reader when the lift buttons are already enabled.
- Enhanced "LCD Message" display on the Integriti Prisma Terminal to clear when invalidated
- Enhanced the stability and speed of the communications via Ethernet.
- Changed the "Had Event" display on the Integriti Prisma Terminal to match that of the LCD Terminal.
- Changed how "MagHash40" was generated so that it results in the same data as Concept 3K/4K.
- Enhanced the stability and reliability of Unibus modules. The Unibus module firmware needs to be updated prior to upgrading the Control module firmware.
- Changed the default module names for reader modules (only affects modules that are added to the LAN).
- Enhanced the GSM Comms Task to allow SMS control commands.
- Enhanced some LCD screens to better validate the user input.
- · Changed Unibus module addressing.
- Enhanced the checking of user permissions when isolating/de-isolating inputs from an Integriti Prisma Terminal.
- Changed the display when a user is locked out from "Installer" to be "User".
- Enhanced the review that was logged when the AC hold-off timer was started.
- Enhanced the way that a Backup comms task was triggered from the GSM comms task.
- Enhanced the functionality when performing a firmware update when triggered from the Integriti System Designer.
- Enhanced the LAN lock feature to remember modules that were secured.

- Corrected an issue where a Wiegand PIN device was only working on the first reader head of a reader module.
- Corrected the functionality of the "Isolate on Exit" Menu Group option when arming from an Integriti Prisma Terminal and there were unsealed Zones.
- Corrected review for when a General Variable was set to a negative number, previously review displayed "??????".
- Corrected review for a duress User logon from an Integriti Prisma Terminal.
- Corrected evaluation of constants that are negative when used with Macro logic.
- Corrected the display of a Door's state when controlling a Door using a Named Action.
- Corrected the functionality of using the "Dumb dial" feature in conjunction with IRfast in the Dialler comms task.



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• Corrected an issue with the CGI interface where special XML characters were not escaped correctly.



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Version 1.2.3

July 2012

Issues Resolved

• Corrected an issue where a pause in a Telephone Number was not being applied correctly at the time of a Comms Task dialling.



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Version 1.2.2

July 2012

Issues Resolved

• Corrected an issue where the Menu Group option of "Ack All Messages" did not work correctly.



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Version 1.2.1

June 2012

- Corrected an LCD Terminal programming screen when deleting a Comms Task.
- Corrected a compatibility issue with LAN modules connected via a CLOE slave.

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Version 1.2.0

June 2012

New Features

- Improved when a Time Period is considered to be valid for the case when the Time Period spans across 00:00:00 (E.g. from 20:00:00 on Tuesday until 03:00:00 on Wednesday). Now no longer needs 2 separate time periods (one for Tuesday, 1 For Wednesday).
- Added a new Licensing scheme. Previously Users, Modules and Review was licensed, this has now been changed to Users, Doors, Zones and Review.
- Added triggering of a Holiday/Time Period/Schedule when the Controller starts up. This will either assert or de-assert any actions that are programmed.
- Added default values for the Process Group ContactID codes.

Alterations

- Changed how version numbers for Integriti LAN modules (including the Controller) are displayed. Changed from "V1.2.12345" to be "V1.2.3.12345".
- Enhanced communications between the Integriti Controller and the Integriti Smart Power Supply.
- Enhanced the GSM Comms Task to stop in a more timely fashion when changing it from Active to Idle.
- Enhanced firmware downloads to Integriti LAN modules.
- Enhanced the reporting of status to the Integriti System Designer for Integriti Unibus modules that are connected to Integriti LAN modules.

- Corrected the GSM Comms Task where it would accept an invalid time from the connected FE3000.
- Corrected some LCD Terminal programming screens.
- Corrected input selection from the LCD Terminal for the Input Test Menu (MENU 4 1).
- Corrected getting the last time stamp from review when the Integriti Controller has been powered down for long enough that the Real Time Clock time had been lost.



Version 1.100.12728

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Version 1.100.12728

June 2012

New Features

• Added sending of LAN module hardware revision to the Integriti System Designer.

Alterations

- Changed how the GSM Comms Task initialises the FE3000.
- Enhanced the GSM Comms Task to detect when an illegal port was selected in the programming.
- Enhanced LAN communications.

- Corrected resetting of PIN attempts count when lockout occurs after the lockout time has expired.
- Corrected LAN download issue where the presence of legacy Expander modules would stop the download from starting.
- Corrected LAN download issue where if multiple (but no all) individual Integriti LAN modules were selected as the target for the download, the download would not start.
- Corrected an issue where "Ack all messages" from the Integriti Prisma Terminal did not always work.



Version 1.100.12674

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Version 1.100.12674

May 2012

Issues Resolved

• Corrected a time comparison where Holidays would become valid 50 days from their actual date.



Version 1.100.12587

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Version 1.100.12587

May 2012

New Features

- Added support for low level lifts and lift actions.
- Added the GSM Comms Task for Multipath & GSM backup (no SMS control yet).
- Added a consistent Zone and Aux mapping for all LAN access modules.
- Added a default ContactID code for the Alarm state to Process Groups.
- Added LCD programming screens for the legacy Concept LAN Power Supply.
- Added SIMS II ContactID reporting mapping.
- Added preserving static IP address settings when a database default occurs as a result of a firmware update.
- Added logging of review text to a USB device.
- Added Comms Task Groups so that Comms Tasks can optionally filter the events that they report.
- Added triggering of a Time Report from the Service Menu (MENU 8 2).

Alterations

- Swapped some default Zone Names and System Inputs for LAN access modules (i.e. read and tongue are now zones instead of system inputs).
- Changed display text from the LCD Terminal for Named Actions from "PActn" to "Actn".
- Changed the default text descriptions for System Inputs.
- Enhanced valid/invalid feedback for REX/REN access attempt from LAN access modules.
- Enhanced the Inputs Test Menu (MENU 4 1) to beep the LCD Terminal when an input changes states.
- Changed the ContactID code that is reported for a Time Report to be 602.

- Corrected review for logged analog values.
- Corrected the DOTL warn output to occur before the DOTL system input goes into Alarm.
- Corrected an issue where if a "Macro Stop" statement was executed within a Macro, the "Running" status was sent to the Integriti System Designer instead of the "Stopped" status.
- Corrected an issue where review displayed "Wrong Exit Area" instead of "Area Deadlocked" when the access was denied because the Area was deadlocked.
- Corrected some issues to support the Integriti Prisma Terminal.
- Corrected an issue with the Dialler Comms Task when reporting IRfast Opening/Closing.



Version 1.003.12255

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Version 1.003.12255

May 2012

Issues Resolved

• Fixed a bug that caused files created (e.g. on a USB stick) on the last day of the month to have an invalid date/time and therefore the date/time appeared blank when viewed on a PC.



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Version 1.002.12166

April 2012

Issues Resolved

 Fixed a bug where a Request-to-Enter (REN) or a Request-to-Exit (REX) that was received from an access module would alter the state of a door that was in free access. Now only a review entry is logged.



Version 1.001.12101

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Version 1.001.12101

April 2012

Issues Resolved

• Fixed a bug to do with logging review to the USB memory device.



Version 1.0.12053 (Initial release)

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Version 1.0.12053 (Initial release)

April 2012





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