SNIB3 v04.02.1554 Release Notes

Overview

SNIB3 v04.02.1554 includes the following features and improvements.

New Features

All below mentioned feature require Velocity 3.8.6 or above

TS ScrambleFactor Reader Support: Velocity 3.8.6 unlocks seamless compatibility with the TS ScrambleFactor reader series. The recently released SF.3 reimagines secure entry for the federal market with a fingerprint sensor, LCD touchscreen, virtual keypad, using smart card contact or contactless modes. The ScrambleFactor enables multiple authentication methods to deliver unparalleled security, speed, and functionality. SF.3 reader configurations in Velocity include setting assurance modes, scramblepad type, importing logos and background images.

Reader Assurance Mode Configuration: Seamlessly configure compatible RS-485 reader assurance levels directly from Velocity. While using the new RS-485 reader firmware, operators can swiftly and securely make changes to their system. This feature requires TS APP FW 4.0 or newer.

Authentication Method Events: New events from the SNIB3 that display the PIV authentication method used at the reader when in FICAM mode. These new authentication event notifications to gain valuable insights for enhanced security operations on site.

Degraded Mode Authentication: The SNIB3 will now automatically bypass the assurance mode set for Card/Code Only Time Zone (CCOTZ) feature when operating in degraded mode, ensuring consistent, enhanced protection. This new feature is optional and can be enabled or disabled in Velocity preferences under FICAM System Options.

OSDP/Wireless Lock Detection: Improve installer's experience with the SNIB3's newly enhanced reader type detection capabilities. Now, the SNIB3 can automatically detect OSDP or wireless readers, and relay this information back to Velocity. This will provide faster installations and reduce configuration times.

SNIB3 Firmware Compatibility

This firmware package includes a SNIB3 driver and O/S component shown in the following table. The same package and versions are also applicable for the Mx1 series panel.

SNIB3 FW	OS	Driver
04.02.1554 (Velocity 3.8.6 Release)	01.04.0002	03.01.0000
04.01.0384 (Velocity 3.8.5 Release)	01.04.0002	03.01.0000
04.00.0088 (Velocity 3.8.4 Release)	01.04.0002	02.00.0007
03.02.1006 (Velocity 3.8.3 Release)	01.04.0002	01.05.0009
03.01.1028 (Velocity 3.8.2 Release)	01.04.0002	01.05.0009

SNIB3 v4.02.1554 Reference Tickets

This section explains the individual reference tickets to track the current feature modifications, firmware improvements, new features, and other updates in SNIB3 version 04.02.1554. The reference ID is on the left and the ticket summary is on the right.

Reference ID	Summary
PAC-6288	Added additional assurance modes
PAC-6289	Created new events based on authentication method used
PAC-6381	Fixed issue where reader status worked intermittently in Status Viewer
PAC-6483	Added support for the SF.3 Reader
PAC-6484	Implemented SF.3 board firmware recognition in Velocity
PAC-6486	Added support for background and logo customization on SF.3
PAC-7437	Added new ‘Cancel CCOTZ Mode When in Degraded Mode’ feature
PAC-7446	Instituted support for detecting reader type and capabilities for Velocity
PAC-7506	Created image transfer status messages for SF.3 background/logo
PAC-7601	Added the ability to update multiple SF.3 backgrounds/logos at once
PAC-7767	Added support for handling BIO Authentication in CAK/PIV process
PAC-7768	SNIB3 can now handle multiple TS variants during TRN firmware update

Known Limitations

Reference ID	Summary
PAC-7831	**Behavior:** Green/Red/Yellow LED always ON option is NOT supported in TS SF3 readers
PAC-7774	**Issue:** For downstream controller, logo and background image of TS SF3 readers has to be downloaded one after another **Workaround:** For a given TS SF3 reader in downstream controller, download the logo image. After logo image transfer is completed, download the background image.
PAC-7754	**Issue:** 'Apply firmware to all readers in this controller' - DFU can fail intermittently in one reader, when updating FW for 8 readers **Workaround:** Initiate FW download to one reader that has failed.
PAC-5585	**Issue:** Controllers with SNIB3's can go offline in XNET mode while downloading configurations or credentials. **Workaround:** Set polling timeout value to 300ms or more (increase "Total timeout multiplier" in Velocity Port properties → Advanced → Advanced Settings) **Note:** This behavior is not observed in XNET 2 or XNET 3 (TLS) mode. XNET3 (TLS) mode is recommended.
PAC-3438	**Behavior:** Avoid performing downstream SNIB3 firmware update and credential download to another downstream controller in parallel (when credential database location is in SNIB3).
PAC-3218	**Behavior:** There could be a delay of (2 to 10 seconds depending on the number of credentials in SNIB3 database) in credential access decisions by the controller if access is done during bulk credential updates, hence it is recommended to perform bulk credential updates (40K or more in a single batch) during off peak hours.
PAC-4561	**Behavior:** On downgrading SNIB3 FW to 3.2 from 4.00.xx and upgrading back to 4.00.xx SNIB3 Network GIO Support Package has to be re-downloaded in case the controller acts as a server in the Network GIO group, otherwise the Network GIO package version number will not be displayed in the controller properties.
PAC-4018	**Behavior:** Support for non-scramble feature per credential will not work for PIV PIN in contact mode.

PAC-4483	**Behavior:** In Network GIO setup if a client controller goes offline the status will be reflected in the Network GIO status viewer there won't be any separate event from Network GIO server.

Additional Information

For access to the Velocity and Hirsch public documentation page visit:
https://identivdocs.atlassian.net/wiki/spaces/HBI/overview