Chase Security Indala® (Motorola) Migration

Chase Security offers a migration pathway for the "End of Life" of HID INDALA® 125Khz Proximity reader and related accessories. The "End of Sales" date announced for the INDALA products by HID is scheduled for the 30th June 2022.

INDALA® (Motorola) cards and readers have been used in Australia for many years and there are many Indala FlexSecure® formats in circulation in high security installations throughout Australia. The "End of Life" direction from HID of INDALA creates a situation where a decision and investment has to be made regarding access control moving forward if you have these readers installed.

Chase Security has researched a viable alternative for migration from INDALA® to 13.56Mhz format Smart cards and Readers and recommends that it is best practice to establish a Multi-Technology Credential that includes <u>High Frequency (HF)</u> contactless and <u>Low Frequency (LF)</u> Indala proximity. Multi Technology cards offer greater flexibility, security and value compared to using a Multi Technology Reader migration pathway.

It is recommended that Single Technology 13.56Mhz contactless Smart readers be installed to replace the INDALA Proximity readers once the Multi technology cards have been issued.

We also offer the option to migrate Indala secure formats to 13.56Mhz Smart Credentials, this will allow for a seamless card identification database to be used during migration, cutting costs of adding new users with new cards to the existing Electronic Access Control System database.

CARD Migration Vs READER Migration

CARD Migration:
Multi tech cards offer immediate security by rolling out the migration as a planned and paced deployment. The site is able to deploy multi technology cards to a selected portion of card users, leaving other cards in place, if desired. (general staff, visitors, contractors, etc)

The site is able to deploy Smart readers to selected critical doors and leaving other doors on LF long range technology. (Carparks, lifts, low security areas, reception area, etc). Single technology readers are lower cost and allow a choice of reader manufacturers and reader technologies (Biometric /PIN/QR/NFC Phone).

Not all readers may need to be replaced and not all users may require a Multi Tech Card, using Multi Technology Cards cuts your investment costs by issuing a portion of new cards and a portion of the HF Single Technology readers. offering the client an economical staged pathway that allows them to pace the migration and secure critical areas straight away.

READER Migration:
Multi Tech readers combining 125Khz and 13.56Mhz can be more costly than Single Technology Readers and the availability of Indala FlexSecure formats on High Frequency readers is very limited.

Many Electronic Access Control Systems (EACS) cannot read dual formats on a single reader input from a Multi tech reader during migration. Only one card technology can be used at a reader at a time. Therefore; the installer has to return to site to switch the multi tech reader over from LF to HF once the LF cards have been replaced with HF cards. This scenario can leave the end user with having to issue two cards to users to use a door that has not been frequency switched.

The alternatives with many EACS is to Factory re-engineer the access control panel to read dual formats on a single reader input port or allowing the reader port to read raw card data and creating two card entries for each user HF and LF card. This effectively reduces security to less then it was.

(If choosing a format for the incoming iCLASS cards, differing from the outgoing Indala proximity cards, this introduces a more complex transition. This is simply because during the migration period, the reader outputs different data structures depending on presenting an iCLASS or Indala Prox card at the reader. Reference the Access Control Panel Technical Specification determining whether this is possible and how to manage within the cardholder database. (multiCLASS Technology Migration Guide – AN0128, A.1))

When using the preferred Card Migration the High Frequency Smart Readers will increase your security immediately and also offer different reader manufacturers and entry options (NFC Phone/Prox/Bio/PIN) with your own keys encrypted to the readers.

There is no need for the installer to return to turn off the low frequency side of the reader, minimizing the installer from follow up liability. There is also no risk of low frequency readers being left on to allow LF low security cards to enter the site, further reducing installer liability.

Chase Security Solutions offers a migration path to upgrade from "End of Life" INDALA® to Mifare/DESFire compatible cards and readers using our Multi-Tech Cards. The largest supplier of cards and readers globally HID recommends to migrate to higher security using "Multi Technology credentials".
(Issue multi-technology credentials and upgrade only critical access readers Experience tells us that, in the vast majority of cases, it is best practice to establish a standard of multi-technology credentials that include both high frequency contactless and low frequency proximity or contact technologies. Simultaneously, it is recommended that you implement contactless readers only at critical locations that require added security ...... This can cut your initial investment costs significantly while still allowing you to secure critical areas right away. What's more, this approach allows you the greatest flexibility in transitioning at your own pace.)   (HID-si-beest-practice-smart-card-mig-6-steps-wp-en.pdf)

Yours Sincerely,

William A. Yeadon

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