Encoded iCLASS cards work on ILS Locks but generate Invalid Card Format events on HID iCLASS readers

Last Modified on 10/06/2022 4:15 am EDT

Symptom

Resolution

To allow the use of a single-encoded card to function on Lenel ILS locks and HID iCLASS SE readers, two (2) encodings must be performed.

HID 2K/2, 16K/2, and 16K/16 cards have 2-4 application areas. For each card, Application area 1 is reserved for HID while Application area 2, 3, and 4 are used for third-party encoding.

To encode this application area, complete the following steps in System Administration:

- 1. From the *Administration* menu, select *Card Formats*.
- 2. Click [Add] to create a new card format. The Choose Card Format Type window is opened.
- 3. Select "Smart Card", and then click [OK].
- 4. Enter a name for the card format.
- 5. From the Application drop-down, select "HID Access Control (iCLASS)".
- 6. Select "Access Control Only" as the **Card Type**, and then select your **Access Control Card Format** to encode.
- 7. Make sure the **Access Control Key type** is set to "HID". (It is typically set to this by default.) Note: The hex key is pre-generated since it is shared between OnGuard and HID, so there is no need to enter another value.
- 8. Select the Memory configuration that matches the card used, and then click [OK].
- 9. Encode a test card to make sure this works. If it does not, you may need to adjust your card format until a "Granted Access" event is generated on the HID iCLASS reader.

Card Format Custom Encoding		
Name:	HID Access Control (iCLASS)	
Туре:	Smart Card	
Application:	HID Access Control (iCLASS)	
Application Settings		
	Number of badges secured with GSC Key	- unlimited.
Card Type	* Access Control Only	\sim
Access Control Card Forma	t Wiegand 36	\sim
Access Control Key type	E HID V Key (hex): RECENCESSION	
BioClass Key type	E Lenel V Key (hex):	
Memory configuration	1: Zkbits / 2 Application Areas	~
	Make Access Control Configuration Card	

Applies To

OnGuard (All versions)

Additional Information

A configuration card is not required.