

ACT Enterprise and Aperio AH30 Gen 5 – Configuration Changes

Since the introduction of Aperio integration into ACT Enterprise, Assa have released a new generation of AH30 Hub.

This hub has some slightly different operating parameters which need to be manually changed if the incorrect card number is being reported into the host system.

This document describes the correct settings that need to be applied to the Hub in addition to the normal configuration file supplied with ACT Enterprise. *(Until such time as the shipped configuration file can be updated).*

NOTE - The Aperio Programming Application and corresponding Radio Dongle are required to implement these changes.

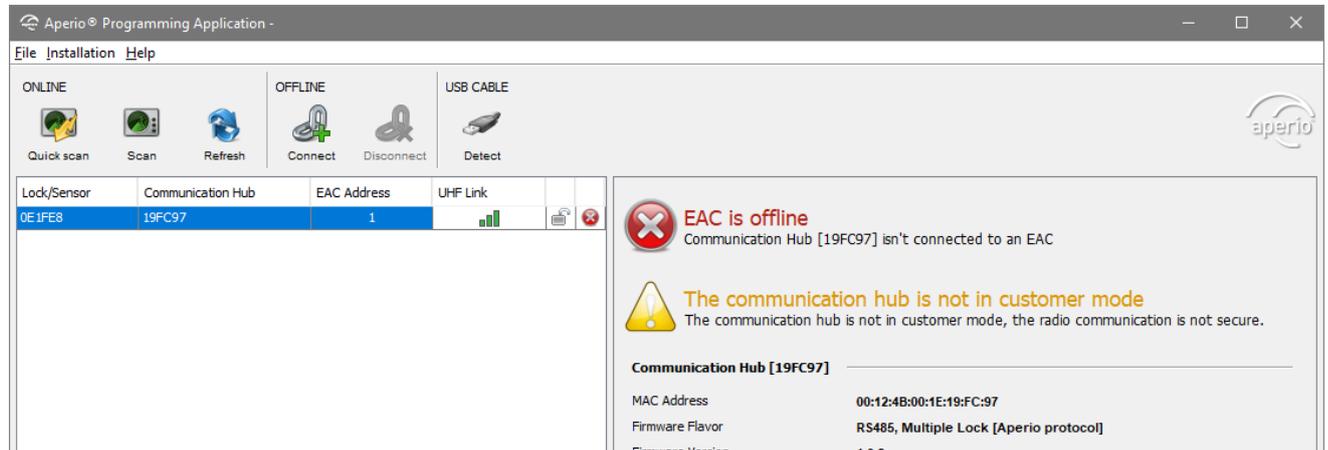
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1. Open Software and search for Hub

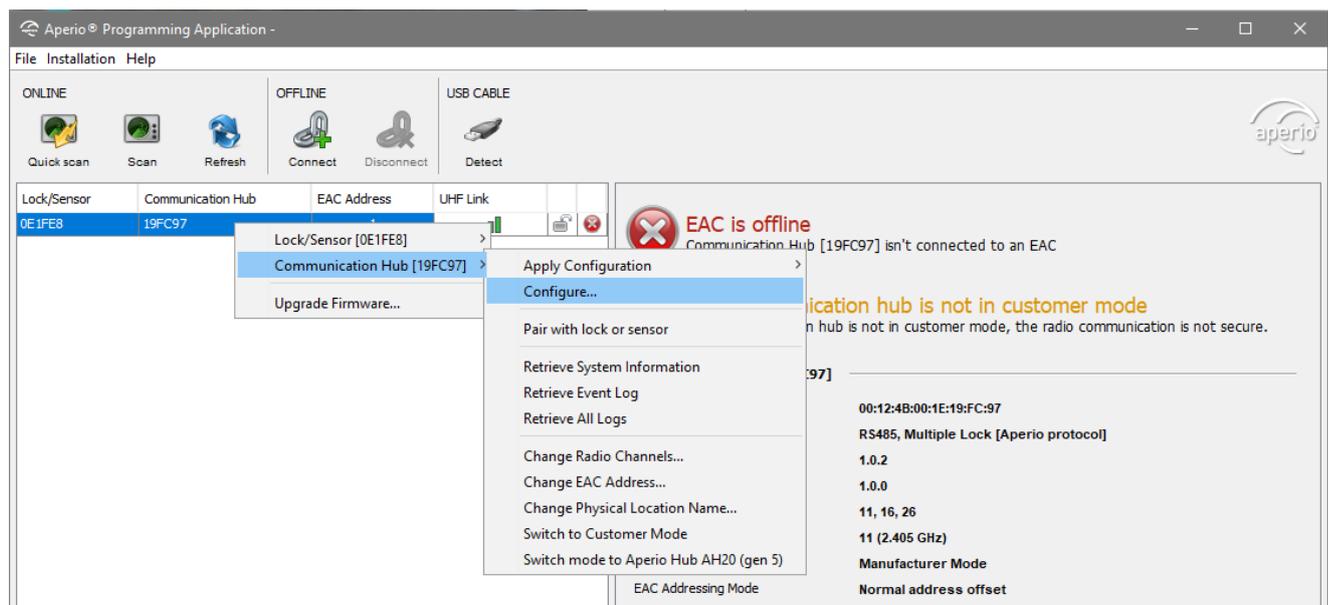
Open the software and “Scan” for your AH30 Hub.



Note – If you have more than one hub on the site, this process will need to be carried out for each Hub.

2. Open hub settings

Right click on the hub and navigate to the **Communication Hub>Configure** option.



3. Change EAC credential settings

Click Next through the screens until you reach this screen.
Click on “Change” under the EAC Credential Settings section.

The screenshot shows a configuration window titled "Configure Communication Hub [19FC97]". It contains several sections for EAC settings:

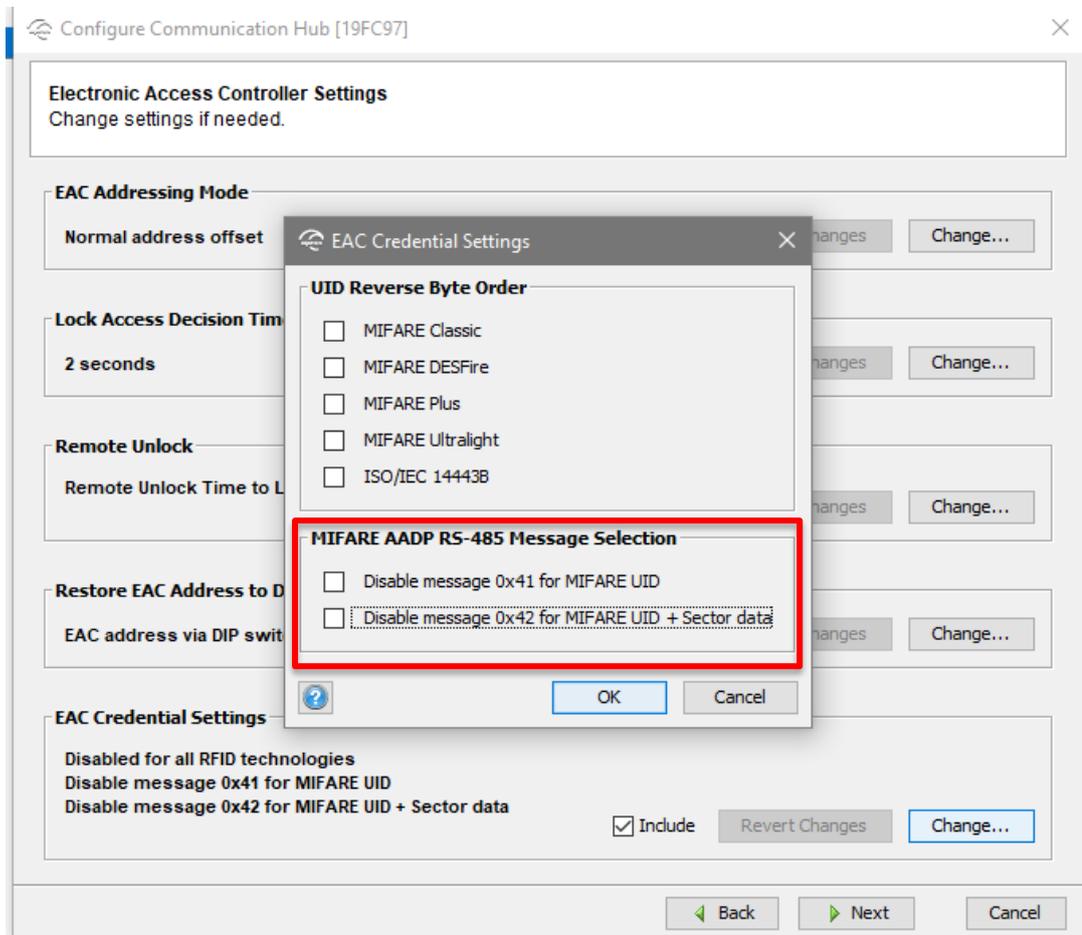
- Electronic Access Controller Settings**
Change settings if needed.
- EAC Addressing Mode**
Normal address offset Include - Lock Access Decision Timeout**
2 seconds Include - Remote Unlock**
Remote Unlock Time to Live: 1 minute Include - Restore EAC Address to DIP Switch Setting**
EAC address via DIP switch setting Include - EAC Credential Settings**
Disabled for all RFID technologies
Use Legacy Credential Message (0x41/0x42) Include

At the bottom of the window, there are three buttons: "Back", "Next", and "Cancel". The "Next" button is highlighted with a blue dashed border, and the "Change..." button in the EAC Credential Settings section is highlighted with a red solid border.

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4. Deselect Disable Message Options

Deselect the two options under the MIFARE AADP RS-485 Message Selection section.



5. Ensure “Include” check box is ticked

Confirm the that “include” check box is ticked, so that this setting will be committed to the Hub settings.

The screenshot shows a window titled "Configure Communication Hub [19FC97]". The main content area is titled "Electronic Access Controller Settings" with the instruction "Change settings if needed." Below this, there are several sections, each with a title and a list of settings:

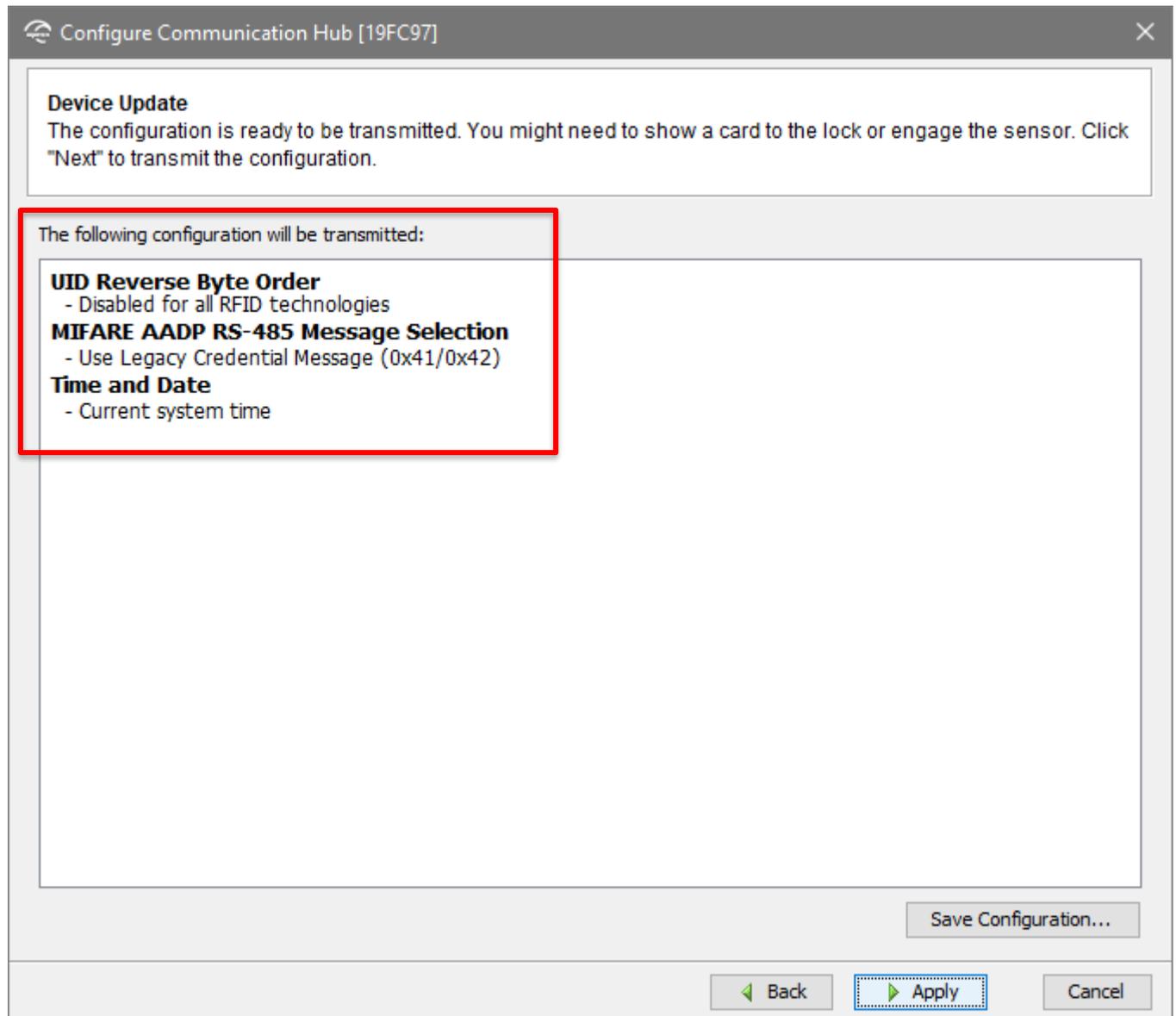
- EAC Addressing Mode**: "Normal address offset" with an unchecked "Include" checkbox, "Revert Changes" button, and "Change..." button.
- Lock Access Decision Timeout**: "2 seconds" with an unchecked "Include" checkbox, "Revert Changes" button, and "Change..." button.
- Remote Unlock**: "Remote Unlock Time to Live: 1 minute" with an unchecked "Include" checkbox, "Revert Changes" button, and "Change..." button.
- Restore EAC Address to DIP Switch Setting**: "EAC address via DIP switch setting" with an unchecked "Include" checkbox, "Revert Changes" button, and "Change..." button.
- EAC Credential Settings**: "Disabled for all RFID technologies" and "Use Legacy Credential Message (0x41/0x42)" with a checked "Include" checkbox (highlighted with a red box), "Revert Changes" button, and "Change..." button (highlighted with a blue dashed box).

At the bottom of the window, there are three buttons: "Back", "Next", and "Cancel".

6. Confirm summary

Click “next” until you get to the summary screen which shows the settings that should be committed to the controller.

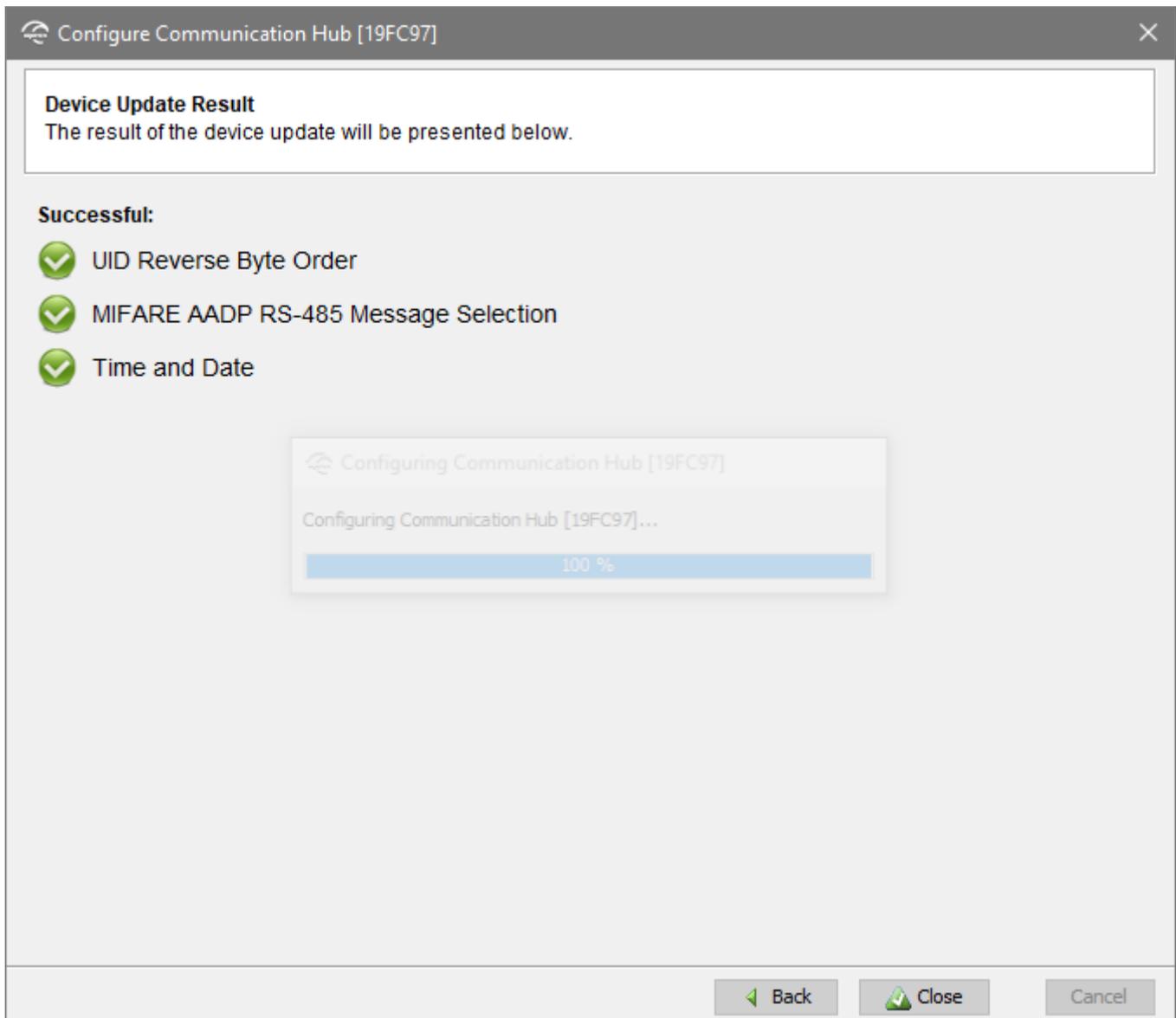
Ensure this screen matches what’s shown here.



7. Confirmation screen

Providing there are not communication issues, you should see a progress bar and then a confirmation screen as below.

Now the Gen 5 hub correctly communicates the card number for ACT Encoded Mifare Cards. Click Close to complete the process.



NOTE –

This process will need to be repeated for every Gen 5 AH30 hub in the system. This document ONLY covers the changing of this setting, and ignores the other options available in the software.

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If you have any questions, please contact our Technical Competence Centre.
Contact details can be found on our website.

