Mifare® Enhanced Security Upgrade Instructions

ASSA ABLOY
Opening Solutions

Experience a safer
and more open world
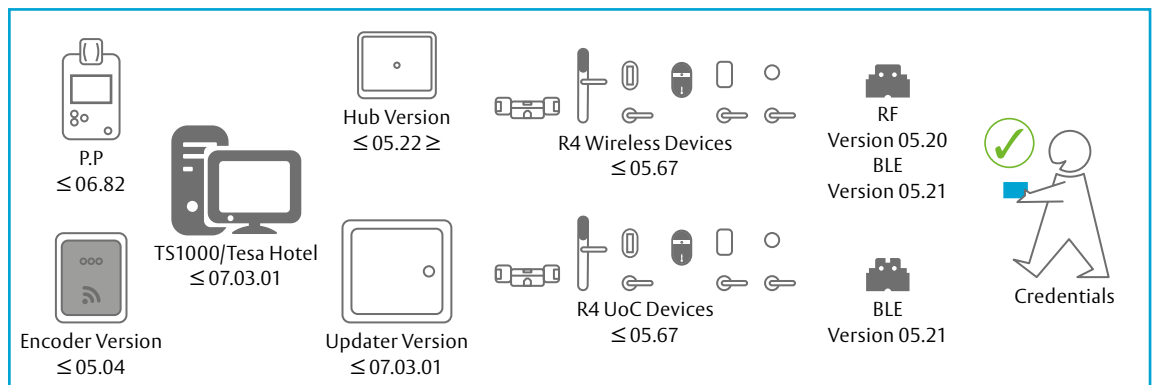
SMARTair®
Your Access. Your Control.

TESA

ASSA ABLOY

Upgrade Installation:
Turn an existing site into
Mifare Enhanced Security

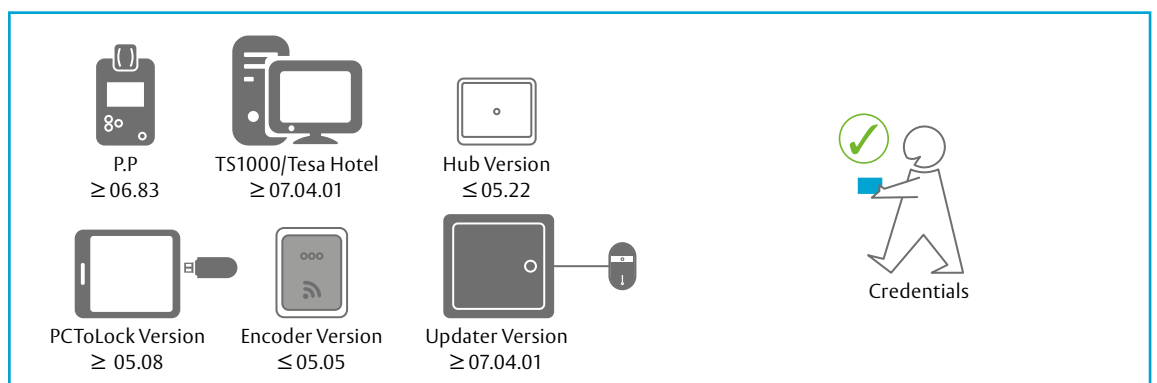*We recommend that our customers always have the latest versions implemented.*

For any further requests or questions, please contact TESA at:
tesa_int_techsupport@assaabloy.com or
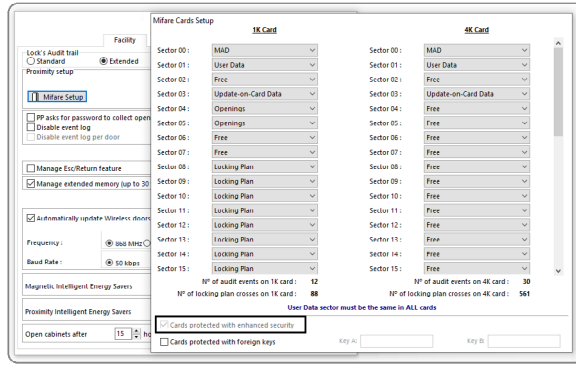**techsupport.tesahospitality.iberia@assaabloy.com**

Start **Current Situation with Firmware and Software Versions prior to Enhanced Security.**
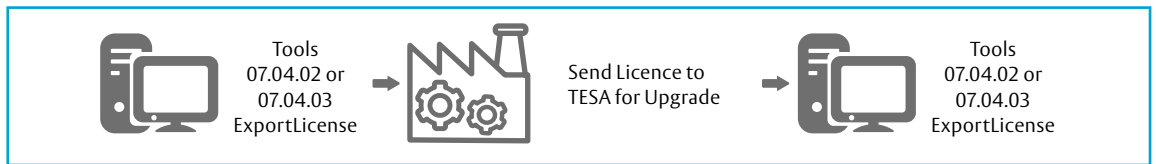

P.P
≤ 06.82

TS1000/Tesa Hotel
≤ 07.03.01

Encoder Version
≤ 05.04

Hub Version
≤ 05.22 ≥

Updater Version
≤ 07.03.01

R4 Wireless Devices
≤ 05.67

R4 UoC Devices
≤ 05.67

RF
Version 05.20
BLE
Version 05.21

BLE
Version 05.21

Credentials

Step 1 **Update P.P Firmware, Updaters and Software versions.**
Hubs and encoders do not have to be upgraded.

P.P
≥ 06.83

TS1000/Tesa Hotel
≥ 07.04.01

Hub Version
≤ 05.22

PCToLock Version
≥ 05.08

Encoder Version
≤ 05.05

Updater Version
≥ 07.04.01

Credentials

Step 2 Configure the database with enhanced security. This depends on the software version. Software ≥**08.00.02.** Setup- Facility **"Cards Protected with Enhanced Security"**.


Software 07.04.02 and 07.04.03. Export and import License with Tools

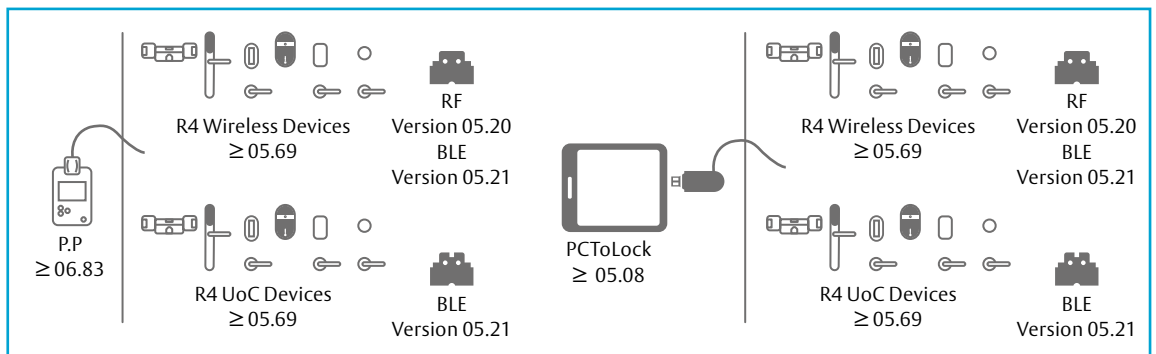|		
Tools 07.04.02 or 07.04.03 ExportLicense	Send Licence to TESA for Upgrade	Tools 07.04.02 or 07.04.03 ExportLicense

Wireless communication is now not available until step 5 is finished.

Step 3 Encode all Users Credentials to activate the new Mifare "enhanced security". Use the encoder or approach them to the Updater.

🔵 **Openow Do not need to be encoded.**

Cards protected with enhanced security Work
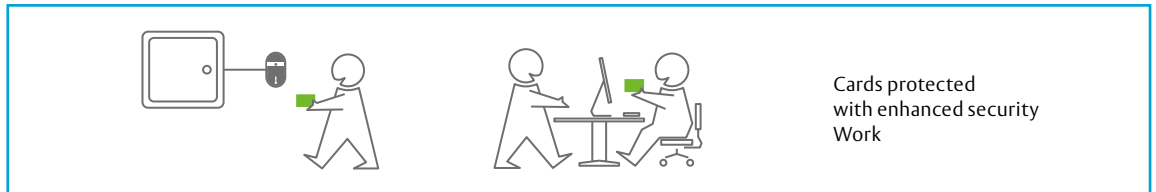
Step 4 **Update Firmware devices and afterwards Initialize them** with P.P/PCToLock. RF and/or BLEs Firmware do not have to be upgraded.

P.P ≥ 06.83
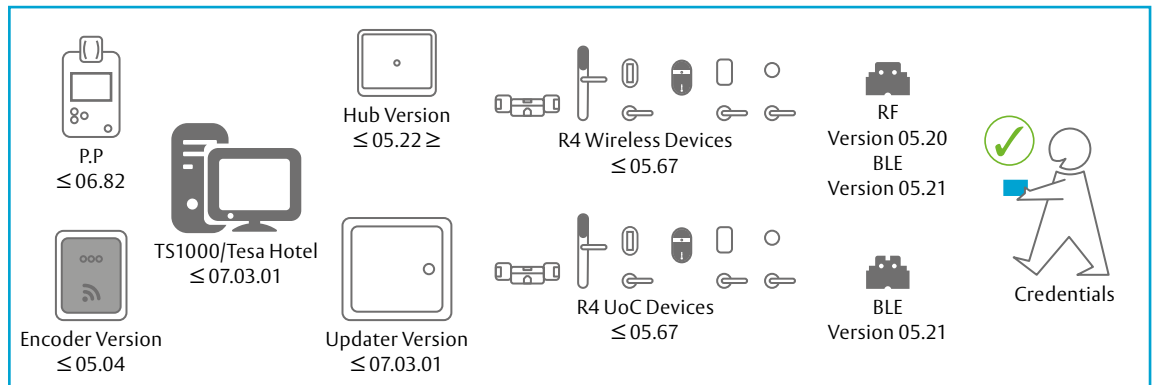
R4 Wireless Devices ≥ 05.69 — RF Version 05.20 BLE Version 05.21

R4 UoC Devices ≥ 05.69 — BLE Version 05.21

PCToLock ≥ 05.08

R4 Wireless Devices ≥ 05.69 — RF Version 05.20 BLE Version 05.21

R4 UoC Devices ≥ 05.69 — BLE Version 05.21

Now wireless system is operational again.

End **Only credentials protected with Enhanced Security will work**

Cards protected with enhanced security Work

Cards NOT protected with enhanced security **DO NOT WORK ANYMORE (FORMAT ERROR)**
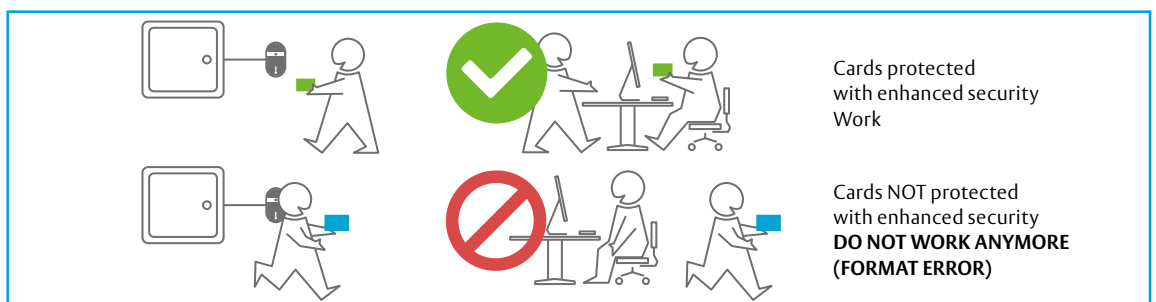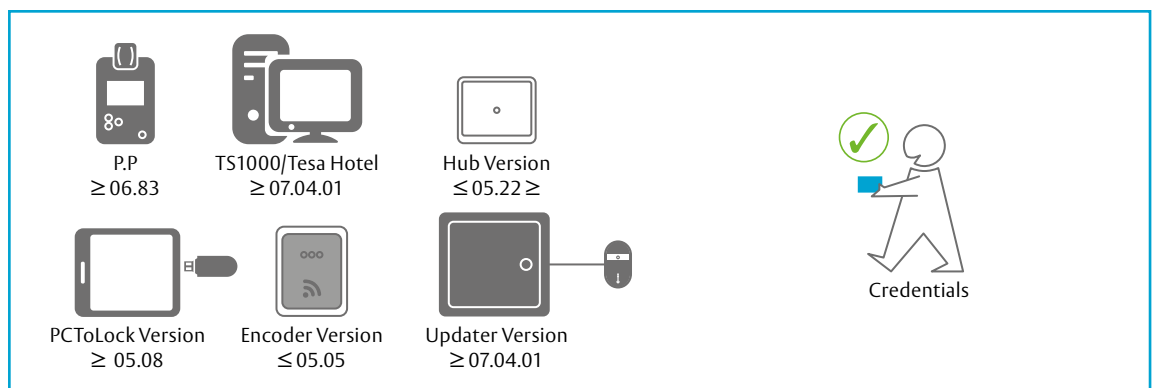
Special Case:
Credentials cannot be encoded all at once and must be done gradually

Start   **Current Situation with Firmware and Software Versions prior to Enhanced Security.**

P.P
≤ 06.82

TS1000/Tesa Hotel
≤ 07.03.01

Hub Version
≤ 05.22 ≥

R4 Wireless Devices
≤ 05.67

RF
Version 05.20
BLE
Version 05.21

Encoder Version
≤ 05.04

Updater Version
≤ 07.03.01

R4 UoC Devices
≤ 05.67

BLE
Version 05.21

Credentials

Step 1   **Update P.P Firmware, Updaters and Software versions.**
Hubs, encoders, and RF or BLEs Firmware do not have to be upgraded.

P.P
≥ 06.83

TS1000/Tesa Hotel
≥ 07.04.01

Hub Version
≤ 05.22 ≥

PCToLock Version
≥ 05.08

Encoder Version
≤ 05.05

Updater Version
≥ 07.04.01

Credentials

Step 2   Configure the database with enhanced security. This depends on the software version. Software **≥08.00.02.** Setup- Facility **"Cards Protected with Enhanced Security"**.
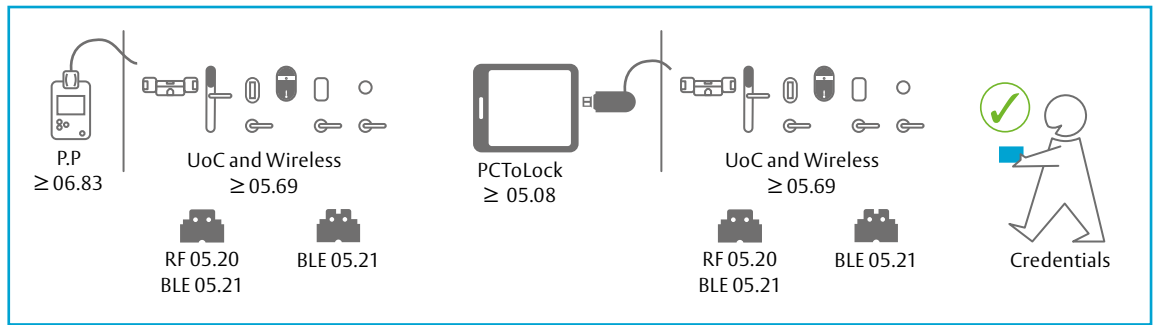

Software 07.04.02 and 07.04.03. Export and import License with Tools

Tools
07.04.02 or
07.04.03
ExportLicense

Send Licence to
TESA for Upgrade
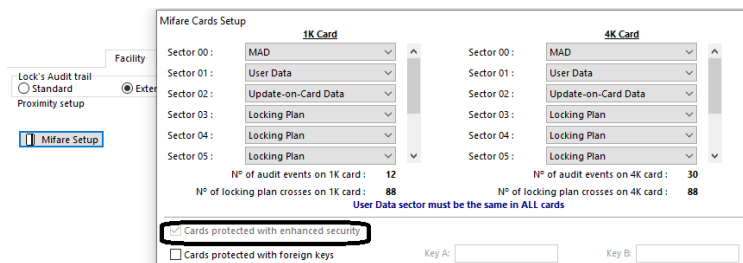
Tools
07.04.02 or
07.04.03
ExportLicense

Wireless communication is now not available until step 5 is finished.

Step 3 **Download Door Devices FIRMWARE to P.P./PCToLock**
and update Firmware of the door devices.
Once this is done, you need to Update Locking Plan of the devices.
Still Current Mifare Security will work normally.

P.P
≥ 06.83

UoC and Wireless
≥ 05.69

RF 05.20
BLE 05.21

BLE 05.21

PCToLock
≥ 05.08

UoC and Wireless
≥ 05.69

RF 05.20
BLE 05.21

BLE 05.21

Credentials

Step 4 Encode all Users Credentials to activate the Mifare "enhanced Security"
using the updater or the cand Encoder. **While encoding the credentials to
enhanced security, the current credentials (not encoded yet) still work.**

⊚ **Openow are not affected Do not need to be encoded.**

Cards protected
with enhanced security
Work
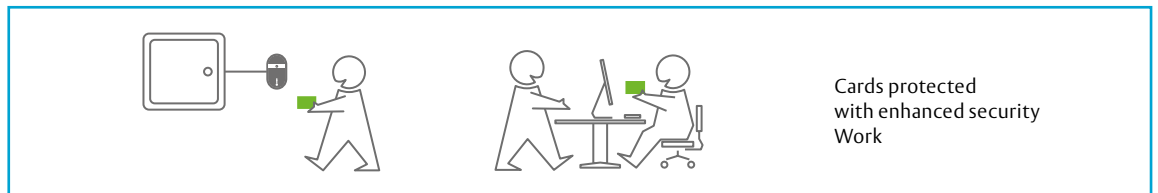
Step 5 **Once all cards are encoded, download Data** to P.P/PCToLock and
Initialize all devices. **Now Wireless communications is operational again.**

P.P
Version ≥ 06.83

PCToLock
Version ≥ 05.08
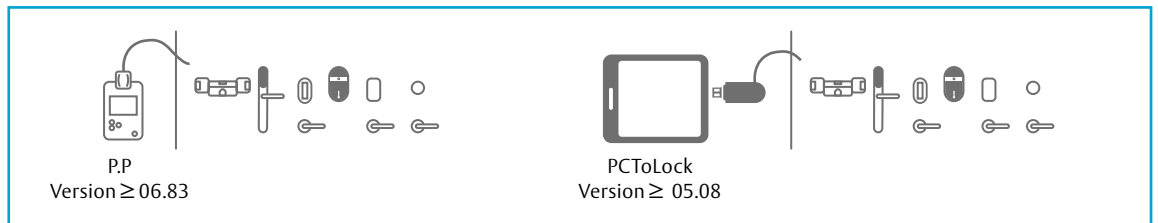
End **Only credentials protected with Enhanced Security will work**
Your site is now fully protected with Mifare Enhanced Security.

Cards protected
with enhanced security
Work

Cards NOT protected
with enhanced security
**DO NOT WORK ANYMORE
(FORMAT ERROR)**