

<b>Recipients :</b>	Stoneridge Network
<b>Release date :</b>	May 27 <sup>th</sup> , 2024
<b>Update Purpose :</b>	Open for all workshops
<b>Object :</b>	Field-flash of un-activated SE5000 Smart 2

As per Annex 1C, Smart 2 tachographs can be upgraded after production.

### **Un-activated SE5000 Smart 2 Field-flash**

New tachograph SWID 1619 is released under Type Approval rev D for rev C tachographs.

This procedure applies ONLY to UN-activated Tachographs, references 900773R/xxR03 or ADR R01.

#### **Overall Scope**

- a. This procedure covers un-activated tachographs, which you have in stock
- b. This procedure will last 1h10 for each tachograph, but only requires Optimo to be used for 15 minutes at the start of the procedure, and 2 minutes at the end of the procedure

#### **Technical pre-requisites for the workshop tool**

1. Optimo yearly Upgrade Package is paid for
2. Optimo is running software version 7.4 or higher
3. Optimo is connected to internet and registered to the STONERIDGE cloud

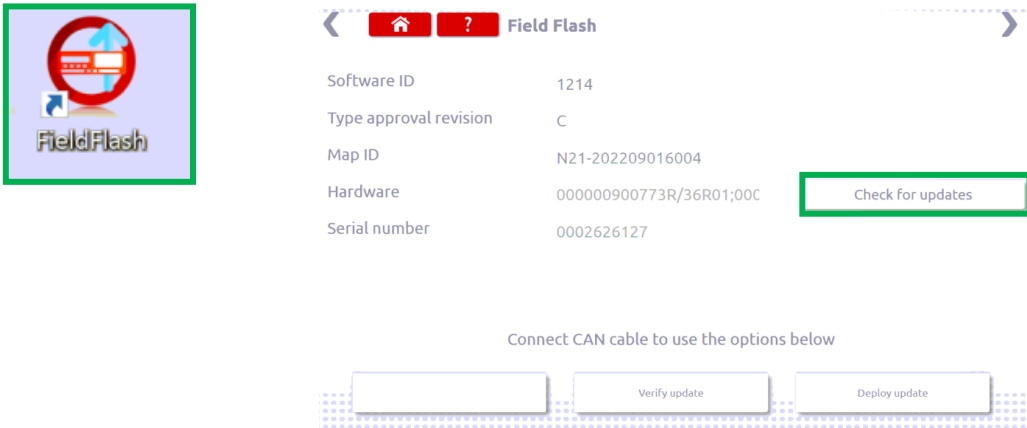
#### **Set-up**

1. VU is powered from bench, with *Permanent+* and with *Ignition+*
2. Connect the Optimo to the VU CANBus rear connector :
  - a. Use Optimo cable 801833
  - b. Fit CAN Terminator 802016 into the red-receptacle end of the cable

**WARNING: keep power to the tachograph and keep ignition ON for the duration of the Tachograph field-flash.**

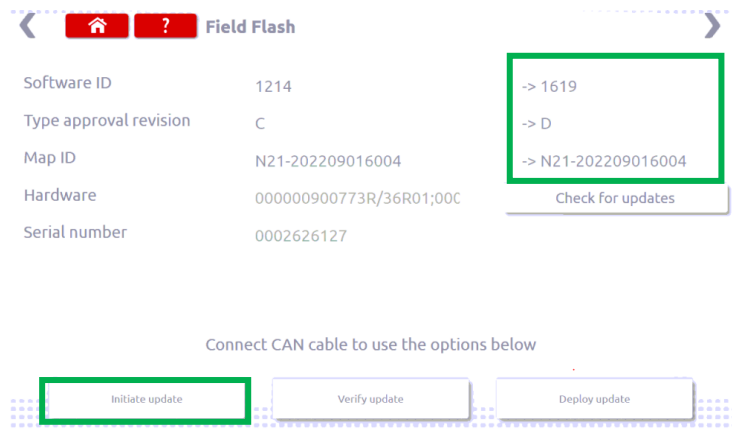
## Procedure

1. On Optimo desktop, press the *Field Flash* icon, this will open the application main screen:



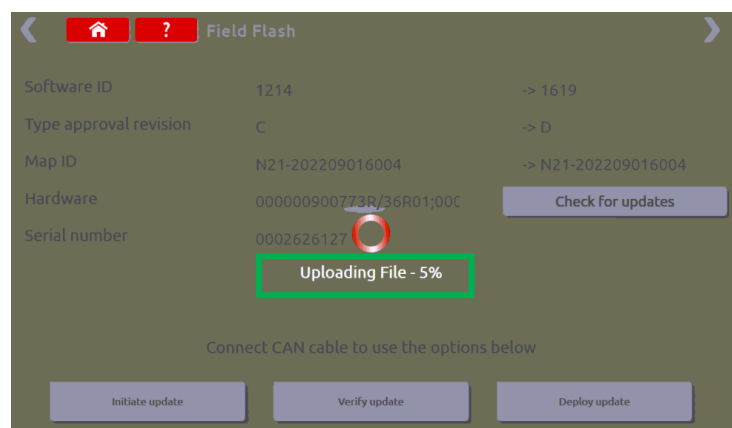
2. Press the **Check for updates** button

- a. If an upgrade is required and authorized, the presentation page refreshes with new *Software ID*, new *Type approval revision* and new *Map ID* above the *Check for updates* button

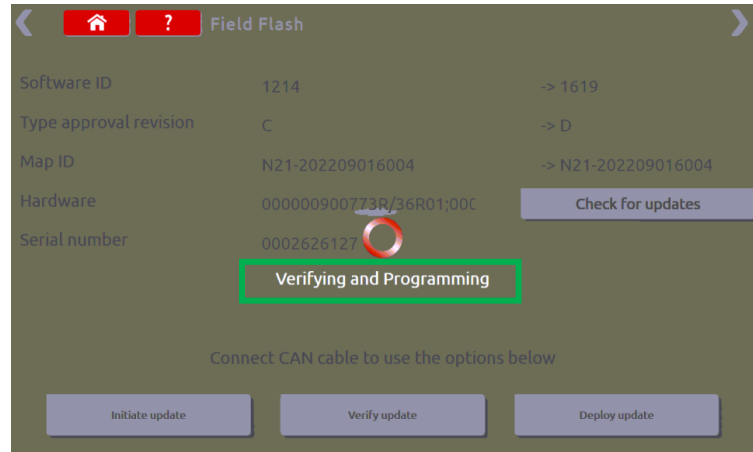


3. Press the **Initiate update** button

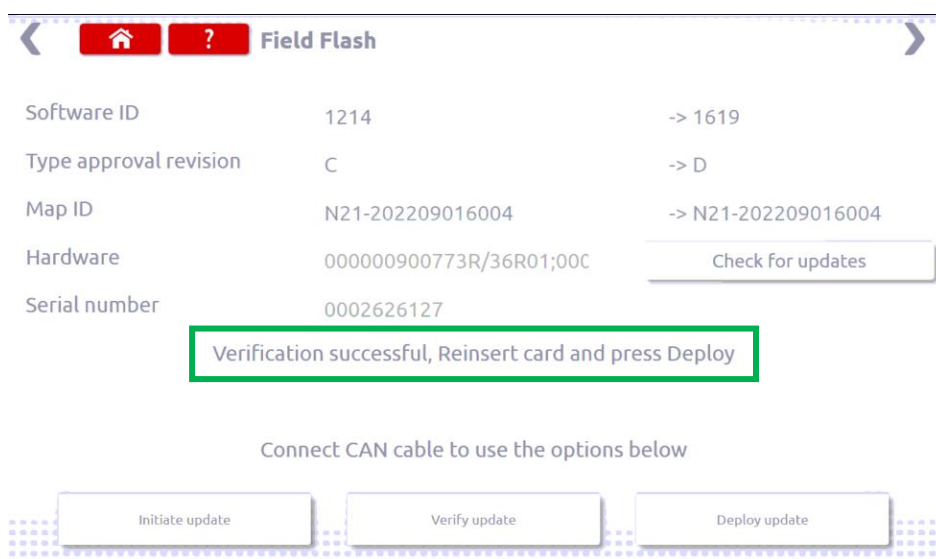
- a. Optimo will transfer the update package from the Stoneridge Cloud. Do not disconnect the Optimo from Tachograph CAN interface during 15 minutes. If necessary, internet connection can be interrupted as soon as the message "Uploading file – XX%" appears



4. At the end of the transfer, Optimo commands the VU to verify the file. Optimo will display the message “Verifying and Programming”
  - a. This verification phase will last 50 minutes for SWID 1619, during which you can press the HOME button once and disconnect Optimo to attend to another tachograph
  - b. **WARNING: keep power and ignition to the tachograph during the whole process**



5. At the end of the verification process the Optimo will refresh the display and return the message “Verification successful, Reinsert card and press Deploy”



6. At that stage, your tachograph can be returned to stock. It will remain un-activated and will **not** show the deployment blocks (8A) & (8B)
  - a. To install the unit in the future, follow your usual configuration, installation and verification process, activate the unit
  - b. You can then resume this procedure at step 7 and proceed with the tachograph software deployment before you calibrate the tachograph on the truck

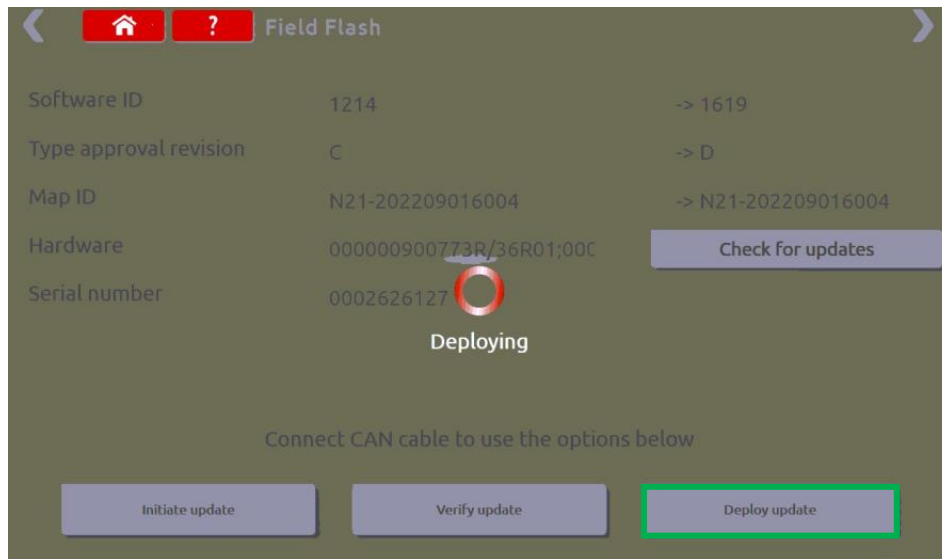
7. Activate the tachograph before proceeding to next step “Deployment”

8. Eject and re-insert the workshop card

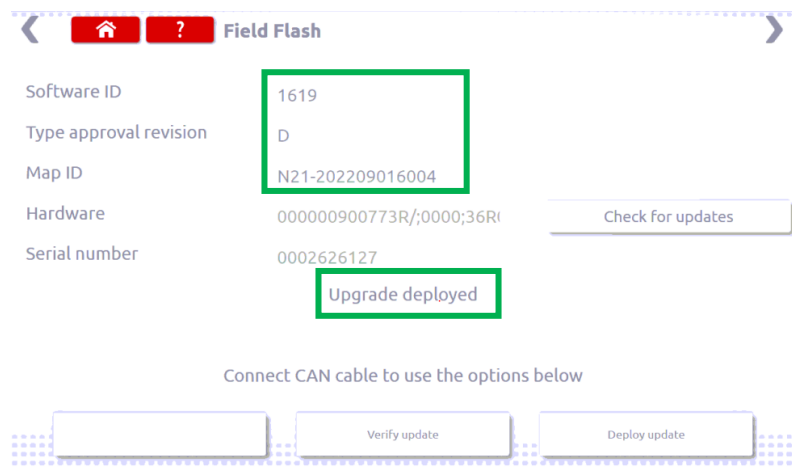
a. **Verify the hammer symbol is displayed on the VU** to indicate *Calibration mode*

9. Press the **Deploy update** button

a. **WARNING:** The message “Illegal mode of operation, Please contact Stoneridge Workshop Support” indicates the tachograph is not in calibration mode. You must **restart from Step 1**



10. After 1 minute, the Optimo will refresh the presentation page with the new Software references and the message “Upgrade deployed”



11. The tachograph is now up to date

Updated tachographs will show new blocks (8A) and (8B) after activation and deployment:

```
▼ 10/08/2023 06:11 (UTC)
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GEN2 v2
Tev
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A ??????????????????
  /?????????????????
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B Stoneridge Electronics
  Adolfsbergsvagen 3,
  •S70227 Orebro
  900773R/30R02
  e50002
  0002513092/0723/06/A2
  2023
  GEN2 v2
  v 1014 03/08/2023
  r N21-20220901-6004
```

```
T STONERIDGE ELECTRONICS
• LIMITED
64100 BAYONNE
TF / 0 2 2 0 0 F 1 0
14/09/2023
T 09/08/2023 16:05 (8A)
A ??????????????????
  /?????????????????
w 8 000 Imp/km
k 8 000 Imp/km
l 0 mm
o ??????????????????
> 0 km/h
9 999 999 - 9 999 999 km
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F 09/08/2023 16:05
```

```
T STONERIDGE ELECTRONICS
• LIMITED
64100 BAYONNE
TF / 0 2 2 0 0 F 1 0
14/09/2023
T 09/08/2023 16:05 (8B)
A ??????????????????
  /?????????????????
w 8 000 Imp/km
k 8 000 Imp/km
l 0 mm
o ??????????????????
> 0 km/h
? 0 - 0 km
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F 09/08/2023 14:08
```

Technical Data printout with SWID, Map ID and Deployment Start / End blocks (8A) & (8B)

**Note:** the GNSS Fix timestamp for block (8B) may be out of sync. You can disregard this.