Smart DTCO 4.1 for workshops
New Features and Functions

New regulations: Mobility Package 1.

From August 21, 2023, the second version second generation smart tachograph is mandatory for all newly registered vehicles. This new tachograph complies with the amendments of (EU) 799/2016 as described in Regulation (EU) 2021/1228.

The new tachograph also introduces adjustments to the calibration process and changes for the calibration certificate and the installation plate.

Workshops must now prepare for the mandatory retrofit of internationally operating vehicles using analogue and Annex 1B tachographs before the end of 2024. First generation smart tachographs must also be replaced before August 2025. To ensure that you can perform all relevant calibrations and to keep up to date with all the new requirements, you can take out a Workshop Tab 2 with a 3-year service agreement where all current and future software and licenses are automatically included.

The most important changes for workshops are indicated on the right. See also the timeline on the other side.

With all key DTCO 4.1 topics covered in the Tachograph training courses being delivered from our Head Office in Birmingham, both face-to-face and through distance learning platforms, as well as our DVSA approved eLearning course, Tachograph technicians will be prepared in time for the upcoming changes.

GNSS
- OSNMA position authentication check
- Determine country of calibration
- Extra check of authentication error logs
- Check digital map version and update if necessary

Internal, independent motion sensor
- Test additional internal motion sensor
- Interpret new movement errors

Bluetooth/ITS interface
- Bluetooth test
- ITS interface test

DRSC
- Check for additional messages
- Adjust DSRC after retrofit (except when retrofitting from DTCO 4.0 to 4.1, antenna remains in original location)

Suitable for new Gen2v2 workshop cards
- Larger memory on card
- Backward compatible

Updateable Tachograph
- Manage tachograph update procedure
- Updateable with digital map features, legislative changes and new functions

Changes to the technical data printouts

New pictograms for functions

Additional options on the menu structure

Cabotage
- Default load type set or on fit by workshops Standard load type on installation plate

- Load type: passengers
- Load type: goods
- Load type: not defined
- Digital map/border crossing
- Security/authenticated data/seals

Retrofit conversion

1. Analogue and Annex 1B ⟶ DTCO 4.1: replace tachograph and KITAS, install DSRC antenna
2. DTCO 4.0 ⟶ DTCO 4.1: only replace tachograph and KITAS
3. Stoneridge (Gen2v1) ⟶ DTCO 4.1: only replace tachograph and KITAS when reused DSRC module (if capable of 25 RTM messages)

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