



Ispra, Ares reg. date

**Commission Implementing Regulation (EU) 2016/799 as amended by
Implementing Regulations (EU) 2021/1228 and (EU) 2023/980**

Interoperability Certification N°. [JRC_DTLab/A1-177/2025](#)

Manufacturer	Continental Automotive Technologies GmbH Heinrich-Hertz-Strasse 45 78052 Villingen-Schwenningen GERMANY
Specimen under Test	DTCO 1381 Rel. 4.1a
Functional certificate	KBA-F DTCO 1381 – 02/09/2024 KBA-F DTCO 1381 – 18/12/2024 kor
Security certificate	BSI-DSZ-CC-1158-V3-2025 – 14/01/2025
Test Specifications:	Smart Tachograph version 2 Components Interoperability Test Specification Version 1.10 (Technical Report JRC128982 – April 2022)

Validity of this certificate:	6 months after registration date	requirements 449 and 453 of (EU) 2016/799
Public web site:	https://dtc.jrc.ec.europa.eu	requirement 454 of (EU) 2016/799
Remarks :	Specimens tested in transitional and non-transitional configurations with software release 04.01.40.R038 and functional certificate KBA-F DTCO 1381 – 02/09/2024. Software further updated after the interoperability tests, functional certificate KBA-F DTCO 1381 – 18/12/2024 kor. Additional interoperability certification testing not required by the type-approval authority (cfr. attached mail from the type-approval authority dated 22/01/2025 - Ares(2025)494521).	

Technical Responsible
M. Gemo

Head of Unit
J-P. Nordvik



Interoperability has been demonstrated with the following components		
According to regulation (EU) 2016/799 amended by regulation (EU) 2021/1228 (Annex 1Cv2)	<i>Type Approval number</i>	<i>Result</i>
Smart tachograph Cards		
Thales - Digital Tachograph G2V2 / G2V2 V2.2.1.N on IFX CCI_000039H	e4-0024-00	☑
STMicroelectronics – SmartTacho V. 4.0 - J-TACHOG2V2 v.1.0.2	e3-1004	☑
Idemia – TachoDrive v4 on Cosmo X	e4-0039-00	☑
Idemia – TachoDrive v4 on Cosmo X - SAAAAR code OS 09 33 64 and SAAAAR jPatch codes: 099441 and 099E21	e4-0040-00	☑
Vehicle Units		
Continental Automotive GmbH - DTCO 1381 - Release 4.1	e1-84-08	☑
Stoneridge Electronics AB - SE5000 – 8.1 Revision A	JRC_DTLab/A2-162/2023 ¹	☑
According to regulation (EU) 2016/799 (Annex 1C)		
Smart tachograph Cards		
Gemalto – Smart Tachograph G2 on MultiApp V4.01	e4-0001-00	☑
Idemia - Smart Tachograph G2 - IDeal Drive DT V3.0 Applet code v. 416304	e13-0001-00	☑
STMicroelectronics - Smart Tachograph v3.0 – OS J-Tacho v1.2.6	e3-1003	☑
STMicroelectronics – SmartTacho V3.1 – OS J-Tacho v1.3.1	e3-1003-1	☑
Vehicle Units		
Continental Automotive GmbH - DTCO 1381 - Release 4.0e	e1-84-04	☑
Stoneridge Electronics AB - SE5000 - 8 Revision G	e5-0002-06	☑
Intellic GmbH – EFAS-4.10 – v5.00	e1-222-00	☑
Other Components		
Motion Sensor: VDO 2185	e1-0002-00	☑
Motion Sensor: Lesikar TACH3 - HW v02 / SW v03	e5-0100-v02	☑
According to regulation (EC) 1360/2002 (Annex 1B)		
Tachograph Cards		
Gemalto - MultiApp ID Tachograph 36K	e13-28-01	☑
Gemalto - MultiApp ID Tachograph 36K	e2-32	☑
Gemalto - MultiApp ID Tachograph V1.3	e11-1002-01	☑
Giesecke & Devrient - STARCOS 3.4 ID Tachograph C1	e1-216	☑
Giesecke & Devrient - STARCOS 3.6 ID Tachograph P1	e1-238	☑
Idemia – IDeal Drive DT V3.0 Applet code version 416304	e1-242-00	☑
Idemia - TachoDrive v4 on ID-One Cosmo X	e68-001	☑
Morpho - ORGA Tachograh N Micardo v1.0	e1-191	☑
Morpho - MICARDO Tachograph V3.6	e1-212	☑
Morpho - Morpho Haarlem Tachograph V1.0	e1-237	☑
Thales – MultiApp V4.0.1	e4-AETR-0001-00	☑
Trueb - TCOS v1.0 Release 2	e1-182-04	☑
Trueb - Tru/cos tacho v1.1	e1-232	☑

¹ Interoperability certificate number granted to Revision A, type-approval granted to Revisions B (e5-0002-08), D (e5-0002-10) and E (e5-0002-11).



Vehicle Units		
Actia - SMARTACH STDII - version 6.11	e2-25	<input checked="" type="checkbox"/>
Continental Automotive GmbH - DTCO 1381 - Release 2.2	e1-84-20	<input checked="" type="checkbox"/>
Continental Automotive GmbH - DTCO 1381 - Release 3.0	e1-84-24	<input checked="" type="checkbox"/>
Intellic GmbH – EFAS-4.8 - v03.50	e1-222	<input checked="" type="checkbox"/>
Stoneridge Electronics AB - SE5000 - Revision 7.6	e5-0002	<input checked="" type="checkbox"/>
Pars Ar-Ge Ltd - DTC 101 - Version 1.1	e37-0004	<input checked="" type="checkbox"/>
ASELSAN - STC 8250- Version 1.1	e37-0007	<input checked="" type="checkbox"/>
ASELSAN - STC 8255- Version 1.0	e37-0008	<input checked="" type="checkbox"/>
Other Components		
Motion Sensor: Actia IS2000 LR5-R1.2	e2-26	<input checked="" type="checkbox"/>
Motion Sensor: VDO KITAS 2171	e1-175-06	<input checked="" type="checkbox"/>
Motion Sensor: VDO KITAS 2171	e1-175-07	<input checked="" type="checkbox"/>
Motion Sensor: Lesikar TACH2 HW version 04 and SW version 02	e5-0101	<input checked="" type="checkbox"/>
Motion Sensor: BogArt DTMS V01	e20-1	<input checked="" type="checkbox"/>