



13/01/2021

Council Regulation (EU) 2016/799 (Annex 1C)

Interoperability Certificate N°. [JRC_DTLab/A1-139/2021](#)

Manufacturer :	Continental Automotive GmbH Heinrich-Hertz-Strasse 45, 78052 Villingen-Schwenningen Germany
Specimen under Test	Smart Tachograph Vehicle Unit DTCO 1381 - Release 4.0e
Functional certificate	KBA – F DTCO 1381 – 12/11/2020
Security certificate	BSI-DSZ-CC-1158-2020 – 14/12/2020
Test Specifications:	Smart Tachograph Components Interoperability Test Specification Version 1.00 (Technical Report JRC112773 – July 2018)

Validity of this certificate:	13/07/2021	(EU) 2016/799 requirements 449 and 453
Public web site:	https://dtc.jrc.ec.europa.eu	(EU) 2016/799 requirement 454
Remarks :		

Technical Responsible
M. Gemo

Head of Unit
J-P. Nordvik



Interoperability has been demonstrated with the following components	
According to regulation (EU) 2016/799 (Annex 1C)	Type Approval number
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 version 416304	e13-0001-00
STMicroelectronics - Smart Tachograph v3.0 – Module ST31G480 – OS J-Tacho v1.2.6	e3-1003
Vehicle Units	
Continental Automotive GmbH - DTCO 1381 - Release 4.0	e1-84
Stoneridge Electronics AB - SE5000 - 8 Revision A	e5-0002-00
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 - Tachosmart v1.0	e1-181
Giesecke & Devrient - STARCOS 3.4 ID Tachograph C1	e1-216
Giesecke & Devrient - STARCOS 3.6 ID Tachograph P1	e1-238
Morpho - ORGA Tachograph N Micardo v1.0	e1-191
Morpho - MICARDO Tachograph V3.6	e1-212
Morpho - Morpho Haarlem Tachograph V1.0	e1-237
Trueb - TCOS v1.0 Release 2	e1-182-04
Trueb - Tru/cos tachograph v1.1	e1-232
Vehicle Units	
Actia - SMARTACH STDII - version 6.11	e2-25
Continental Automotive GmbH - DTCO 1381 - Release 2.2	e1-84-20
Continental Automotive GmbH - DTCO 1381 - Release 3.0	e1-84-24
Intellic GmbH – EFAS-4.8 - v03.50	e1-222
Stoneridge Electronics AB - SE5000 - Revision 7.6	e5-0002
Pars Ar-Ge Ltd - DTC 101 - Version 1.1	e37-0004
ASELSAN - STC 8250- Version 1.1	e37-0007
Other Components	
Motion Sensor: Actia IS2000 LR5-R1.2	e2-26
Motion Sensor: VDO KITAS 2171	e1-175-06
Motion Sensor: VDO KITAS 2171	e1-175-07
Motion Sensor: Lesikar TACH2 HW version 04 and SW version 02	e5-0101
Motion Sensor: BogArt DTMS V01	e20-1