

**From the annex to the accreditation certificate D-PL-17052-01-00
according to DIN EN ISO/IEC 17025:2018 from 23.06.2023
and all flexibly accredited test methods**

Current state: 18.07.2023

Changes to the previous version are highlighted in grey.

Within the accreditation areas marked with *, the testing laboratory is permitted to use the standardized test methods listed here, or those that are equivalent to them, with different editions, without requiring prior information and approval from the DAkkS.**

The testing laboratory has an up-to-date list of all test methods in the flexible accreditation area.

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1 GNSS-based measurement systems (GPS, Galileo, Glonass, Compass)

PPP80013A 2020-06	Ground Based Augmentation Systems
PPP80019D 2020-06	RTK Services for Dynamic Applications
ISO 17123-8 *** 2015-06	Optics and optical instruments — Field procedures for testing geodetic and surveying instruments — Part 8: GNSS field measurement systems in real-time kinematic (RTK)
PPP88101E 2020-04	Testing according to Delegated Regulation 2017/79 Annex VI
DIN EN 16803-1 *** 2021-07	Space – Use of GNSS-based positioning for road Intelligent Transport Systems (ITS) – Part 1: Definitions and system engineering procedures for the establishment and assessment of performances;
DIN EN 16803-02 *** 2021-07	Space – Use of GNSS-based positioning for road Intelligent Transport Systems (ITS)– Part 2: Assessment of basic performances of GNSS-based positioning terminals.
DIN EN 16803-3 *** 2021-07	Space — Use of GNSS-based positioning for road Intelligent Transport Systems (ITS) — Part 3: Assessment of security performances of GNSS-based positioning terminals
ETSI TS 103 246-3 *** 2020	Satellite Earth Stations and Systems (SES) Global Navigation Satellite System (GNSS) Part 3 Performance requirements
ETSI TS 103 246-5 *** 2020	Satellite Earth Stations and Systems (SES) GNSS based location systems Part 5 Performance Test Specification
PPP88113D 2021-02	GNSS-Simulator Interlaboratory Tests
PPP88114A 2021-02	RTK Interlaboratory Test
PPP88117B 2021-11	Assessment of a GNSS Reference System
PPP88123B 2021-11	Assessment of a GNSS measurement device

2 Unmanned Aerial Systems

E DIN EN 4709-001 *** 2021-02	Aerospace series — Unmanned Aircraft Systems — Part 001: Product requirements and verification
E DIN EN 4709-002 *** 2022-03	Aerospace series – Unmanned Aircraft Systems — Part 002: Direct remote identification requirements Chapter 6
E DIN EN 4709-003 *** 2021-02	Aerospace series – Unmanned Aircraft Systems — Part 003: Geo-awareness requirements Chapter 7
E DIN EN 4709-004 *** 2021-02	Aerospace series – Unmanned Aircraft Systems — Part 004: Lighting requirements Sections 5.3 6.3, 7.2
EASA MOC Light-UAS.2511-01 *** 2022-05	Means of Compliance with Light-UAS.2511 Containment

3 Alarm units in vehicles (ESafety - eCall)

ETSI TS 103 412 *** **Mobile Standards Group (MSG);Pan-European eCall end to end and in-band modem conformance testing; Prose test specification**
2020-03

ÖNORM EN 16454 *** **Intelligent transport systems - ESafety - ECall end to end conformance testing**
2015-10

DIN EN 15722 *** **Intelligent transport systems - ESafety - eCall minimum set of data**
2021-01

DIN EN 15722 *** **Intelligent transport systems - ESafety - eCall minimum set of data**
2015-04

PPP80025E **Test program for an eCall simulator**
2021-06

DIN EN 16062 Intelligent transport systems - ESafety - eCall high level application requirements (HLAP) using GSM/UMTS circuit switched networks
 2015-08
 ÖNORM EN 16454 Intelligent transport systems - ESafety - ECall end to end conformance testing
 2015-10
 DIN EN 15722 Intelligent transport systems - ESafety - eCall minimum set of data
 2015-04

PPP80029D **Test plan for Conformity Assessment for PSAP**
2020-04 *(valid: only for testing of components)*

ÖNORM EN 16454 Intelligent transport systems - ESafety - eCall end to end conformance testing
 2015-10

PPP80030 B **Test plan for eCall IVS**
2020-04

ÖNORM EN 16454 Intelligent transport systems - ESafety - eCall end to end conformance testing
 2015-10

DIN EN 15722 Intelligent transport systems - ESafety - eCall minimum set of data
 2015-04

DIN EN 16062 Intelligent transport systems - ESafety - eCall high level application requirements (HLAP) using GSM/UMTS circuit switched networks
 2015-08

PPP80031C **PSAP test point for eCall in-vehicle systems**
2020-04

DIN EN 16062 Intelligent transport systems - ESafety - eCall high level application requirements (HLAP) using GSM/UMTS circuit switched networks
 2015-08

ÖNORM EN 16454
2015-10 Intelligent transport systems - ESafety - eCall end to end conformance testing

DIN EN 15722
2015-04 Intelligent transport systems - ESafety - eCall minimum set of data)

**Commission
Delegated Regulation
(EU) 2017/79 ***
2016-09**

Commission Delegated Regulation (EU) 2017/79 of 12 September 2016 establishing detailed technical requirements and test procedures for the EC type-approval of motor vehicles with respect to their 112-based eCall in-vehicles systems, of 112-based eCall in-vehicle separate technical units and components and supplementing and amending Regulation (EU) 2015/758 of the European Parliament and of the Council with regard to the exemptions and applicable standards

Annex I Technical requirements and procedures for testing the resistance of eCall in-vehicle systems to severe crashes (high-severity deceleration test

Annex II Full-scale impact test assessment

Annex III Crash resistance of audio equipment,

Annex IV Co-existence of third party services (TPS) with the 112-based eCall in-vehicle systems,

Annex V Automatic triggering mechanism,

Annex VI Technical requirements for compatibility of eCall in-vehicle systems with the positioning services provided by the Galileo and the EGNOS systems

Annex VII n-vehicle system self-test,

Annex VIII Technical requirements and test procedures related to privacy and data protection

PPP0034B
2022-08

Conformity of retrofit TPS unit

4 Abbreviation used

EASA	European Union Aviation Safety Agency
GNSS	Global Navigation Satellite System
Decision 2009/750/EG	Commission Decision of 6 th October 2009 on the definition of the European Electronic Toll Service and its technical elements (notified under document C (2009) 7547) (ABL. L268 from 13.10.2009, S. 11-29)
GPS	Global Positioning System, GNSS, USA
Galileo	GNSS, Europe
Glonass	Globalnaja nawigazionnaja sputnikowaja Sistema – GNSS Russian Federation
Compass/Beidou	GNSS People's Republic of China
Module	Decision 768/2008/EC 9. July 2008 on common framework for the marketing of products and repealing Council Decision 93/465/EEC, Modules according to Annex II
PPP	In-house method of NavCert GmbH (Privates Prüf-Programm)
PSAP	Public Safety Answering Point
UAS	Unmanned Aerial System