

**From the annex to the accreditation certificate D-PL-17052-01-00
according to DIN EN ISO/IEC 17025:2018 from 13.08.2021
and all flexibly accredited test methods**

Current state: 16.05.2023

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)

PPP80013 2020-06	Ground Based Augmentation Systems
PPP80019 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)
PPP88101 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;
E 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.
E 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
PPP88113 2021-02	GNSS-Simulator Interlaboratory Tests
PPP88114 2021-02	RTK Interlaboratory Test
PPP88116 2020-12	UAS Delegated Regulation (EU) 2019-945
PPP88117 2021-02	Assessment of a GNSS Reference System

2 Alarm units in vehicles (ESafety - eCall)

ETSI TS 103 412 *** 2020-03	Mobile Standards Group (MSG);Pan-European eCall end to end and in-band modem conformance testing; Prose test specification
ÖNORM EN 16454 *** 2015-10	Intelligent transport systems - ESafety - ECall end to end conformance testing
DIN EN 15722 *** 2021-01	Intelligent transport systems - ESafety - eCall minimum set of data
DIN EN 15722 *** 2015-04	Intelligent transport systems - ESafety - eCall minimum set of data
PPP80025 2020-04	Test program for an eCall simulator
DIN EN 16062 2015-08	Intelligent transport systems - ESafety - eCall high level application requirements (HLAP) using GSM/UMTS circuit switched networks
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
PPP80029 2020-04	Test plan for Conformity Assessment for PSAP <i>(valid: only for testing of components)</i>
ÖNORM EN 16454 2015-10	Intelligent transport systems - ESafety - eCall end to end conformance testing
PPP80030 2020-04	Test plan for eCall IVS
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
DIN EN 16062 2015-08	Intelligent transport systems - ESafety - eCall high level application requirements (HLAP) using GSM/UMTS circuit switched networks
PPP80031 2020-04	PSAP test point for eCall in-vehicle systems
DIN EN 16062 2015-08	Intelligent transport systems - ESafety - eCall high level application requirements (HLAP) using GSM/UMTS circuit switched networks

<p>ÖNORM EN 16454 2015-10</p>	<p>Intelligent transport systems - ESafety - eCall end to end conformance testing</p>
<p>DIN EN 15722 2015-04</p>	<p>Intelligent transport systems - ESafety - eCall minimum set of data)</p>
<p>Commission Delegated Regulation (EU) 2017/79 *** 2016-09</p>	<p>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</p> <p>Annex I Technical requirements and procedures for testing the resistance of eCall in-vehicle systems to severe crashes (high-severity deceleration test</p> <p>Annex II Full-scale impact test assessment</p> <p>Annex III Crash resistance of audio equipment,</p> <p>Annex IV Co-existence of third party services (TPS) with the 112-based eCall in-vehicle systems,</p> <p>Annex V Automatic triggering mechanism,</p> <p>Annex VI Technical requirements for compatibility of eCall in-vehicle systems with the positioning services provided by the Galileo and the EGNOS systems</p> <p>Annex VII n-vehicle system self-test,</p> <p>Annex VIII Technical requirements and test procedures related to privacy and data protection</p>
<p>PPP0034 2020-02</p>	<p>Conformity of retrofit TPS unit</p>

3 European Electronic Toll Service and its technical components (EETS)

PPP80032B
2020-02

Conformity assessment of the Interoperability of Electronic Toll
System according to the Directive 2004/52

CEN ISO/TS 17574 2009	Electronic fee collection - Guidelines for security protection profiles
DIN EN ISO 12855 2016-04	Electronic fee collection - Information exchange between service provision and toll charging
DIN EN ISO 17575-1 2016-08	Electronic fee collection - Application interface definition for autonomous systems - Part 1: Charging
DIN EN ISO 17575-3 2016-08	Electronic fee collection - Application interface definition for autonomous systems - Part 3: Context data

4 Abbreviation used

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)
Directive 2004/52/EG	Directive 2004/52/EC of the European Parliament and of the Council of 29 th of April 2004 on the interoperability of electronic road toll systems in the Community (ABl. L 166 from 30.04.2004, S. 124; Correction ABl. L 200 from 07.06.2004, S. 50-57)
GNSS	Global Navigation Satellite System
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 fo 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