

## Deutsche Akkreditierungsstelle GmbH

Entrusted according to Section 8 subsection 1 AkkStelleG in connection with Section 1 subsection 1 AkkStelleGBV

Signatory to the Multilateral Agreements of EA, ILAC and IAF for Mutual Recognition





The Deutsche Akkreditierungsstelle GmbH attests that the testing laboratory

Ford-Werke GmbH Entwicklungszentrum Merkenich Technical Centre Safety Lab & Crash Test Center Spessartstraße - Tor 54, 50725 Köln

is competent under the terms of DIN EN ISO/IEC 17025:2018 to carry out tests in the following fields:

Dynamic crash tests on motor vehicles and their components to investigate body behavior and occupant protection, the safety of steering systems, fire protection and the resistance of fuel systems and electrical energy storage systems in the event of accident impacts, as well as the evaluation of impact protection in the passenger compartment;

Quasi-static safety tests on motor vehicles and their components to investigate the resistance of restraint system anchorages in the event of an impact;

Dynamic sled tests to assess the resistance of occupant protection system components and the strength of bodywork, seats and head restraints in the event of accident impacts

The accreditation certificate shall only apply in connection with the notice of accreditation of 220.07.2022 with the accreditation number D-PL-15088-01. It comprises the cover sheet, the reverse side of the cover sheet and the following annex with a total of 4 pages.

Registration number of the certificate: D-PL-15088-01-00

Berlin, 22.07.2022 Dipl.-Ing. Martin Kirbach Head of Technical Unit Translation issued: 22.07.2022

The certificate together with the annex reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH at https://www.dakks.de/en/accredited-bodies-search.html.

This document is a translation. The definitive version is the original German accreditation certificate. See notes overleaf.



### Deutsche Akkreditierungsstelle GmbH

# Annex to the Accreditation Certificate D-PL-15088-01-00 according to DIN EN ISO/IEC 17025:2018

 Valid from:
 22.07.2022

 Date of issue:
 22.07.2022

Holder of certificate:

Ford-Werke GmbH Entwicklungszentrum Merkenich Technical Centre Safety Lab & Crash Test Center Spessartstraße - Tor 54, 50725 Köln

#### Tests in the fields:

Dynamic crash tests on motor vehicles and their components to investigate body behavior and occupant protection, the safety of steering systems, fire protection and the resistance of fuel systems and electrical energy storage systems in the event of accident impacts, as well as the evaluation of impact protection in the passenger compartment;

Quasi-static safety tests on motor vehicles and their components to investigate the resistance of restraint system anchorages in the event of an impact;

Dynamic sled tests to assess the resistance of occupant protection system components and the strength of bodywork, seats and head restraints in the event of accident impacts

Within the given testing field, the testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, the free choice of standard or equivalent testing methods.

The listed testing methods are exemplary. The testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories. Laboratories that conform to the requirements of this standard, operate generally in accordance with the principles of DIN EN ISO 9001.

The certificate together with the annex reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH at https://www.dakks.de/en/accredited-bodies-search.html.

#### Abbreviations used: see last page

This document is a translation. The definitive version is the original German annex to the accreditation certificate.

#### Annex to the accreditation certificate D-PL-15088-01-00



1. Dynamic crash tests on motor vehicles and their components to investigate body behavior and occupant protection, the safety of steering systems, fire protection and the resistance of fuel systems and electrical energy storage systems in the event of accident impacts, as well as the evaluation of impact protection in the passenger compartment

UN-R 12 SA 04 2018-07	Uniform provisions concerning the approval of vehicles with regard to the protection of the driver against the steering mechanism in the event of impact
UN-R 32 SA 00 2014-03	Uniform provisions concerning the approval of vehicles with regard to the behavior of the structure of the impacted vehicle in a rear-end collision
UN-R 34 SA 03 2019-05	Uniform provisions concerning the approval of vehicles with regard to the prevention of fire risks (without Annex 5)
UN-R 94 SA 04 2021-06	Uniform provisions concerning the approval of vehicles with regard to the protection of the occupants in the event of a frontal collision
UN-R 95 SA 05 2021-06	Uniform provisions concerning the approval of vehicles with regard to the protection of the occupants in the event of a lateral collision
UN-R 100 SA 03 2021-06	Uniform provisions concerning the approval of vehicles with regard to specific requirements for the electric power train (without Annex 7, Annex 8 only Section C)
UN-R 135 SA 01 2020-05	Uniform provisions concerning the approval of vehicles with regard to their Pole Side Impact performance (PSI)
UN-R 137 SA 02 2021-06	Uniform provisions concerning the approval of passenger cars in the event of a frontal collision with focus on the restraint system
49 CFR 571.208 FMVSS 208 F.R. Vol. 78 No. 227 2013-11	Occupant crash protection
49 CFR 571.212 FMVSS 212 F.R. Vol. 49 No. 14 1995-03	Windshield mounting



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49 CFR 571.214 FMVSS 214 F.R. Vol. 85 No.249 2020-12	Side impact protection
49 CFR 571.219 FMVSS 219 F.R. Vol. 63 No.101 1998-05	Windshield zone intrusion
49 CFR 571.301 FMVSS 301 F.R. Vol. 78 No. 71 2013-04	Fuel system integrity

# 2. Quasi-static safety tests on motor vehicles and their components to investigate the resistance of restraint system anchorages in the event of an impact

UN-R 14 SA 09 2018-12	Uniform provisions concerning the approval of vehicles with regard to safety- belt anchorages
49 CFR 571.210 FMVSS 210 F.R. Vol. 78 No.221 2013-11	Seat belt assembly anchorages
49 CFR 571.225 FMVSS 225 F.R. Vol. 77 No. 4 2012-01	Child restraint anchorage systems

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3. Dynamic sled tests to assess the resistance of occupant protection system components and the strength of bodywork, seats and head restraints in the event of accident impacts			
UN-R 17 SA 09 2020-01	Uniform provisions concerning the approval of vehicles with regard to the seats, their anchorages and any head restraints (Annex 9)		
UN-R 21 SA 01 2020-05	Uniform provisions concerning the approval of vehicles with regard to their interior fittings (Annex 8)		
UN-R 144 SA 00 2020-09	Uniform provisions concerning the Accident Emergency Call Systems (AECS) (Annex 9)		
(EU) 2017/79 Annex I 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 standard (Annex I)		
BS EN 1798:2020 2020-09	Medical vehicles and their equipment - Road ambulances (Chapter 5.3)		

#### Abbreviations used:

- UNUnited NationsCFRCode of Federal RegulationsENEuropean StandardEUEuropean UnionFMVSSFederal Motor Vehicle Safety standard
- SA Series of Amendments





#### Safety Lab & Sled Test Facility & Crash Test Center

Attachment to accreditation certificate: D-PL-15088-0100

Release of specifications (issue date: 11-Apr-2025)

Specification	Description	Sub Level	intenal release date
UN ECE 12	Uniform provisions concerning the approval of vehicles with regard to the protection of the driver against the steering mechanism in the event of impact	UN ECE 12-04, Supplement 5	11.09.2018
UN ECE 14	Uniform provisions concerning the approval of vehicles with regard to safetybelt anchorages	UN ECE 14-09, Supplement 1	24.06.2019
UN ECE 17	Uniform provisions concerning the approval of vehicles with regard to the seats, their anchorages and any head restraints (Annex 9)	UN ECE 17-09, Supplement 1	January 2020
UN ECE 21	Uniform provisions concerning the approval of vehicles with regard to their interior fittings (Annex 8)	UN ECE 21-01 (Anhang 8)	May 2020
UN ECE 32	Uniform provisions concerning the approval of vehicles with regard to the behavior of the structure of the impacted vehicle in a rear-end collision	UN ECE 32-00, Corr. 1 to Revision 1 of the Regulation	10.07.2018
UN ECE 34	Uniform provisions concerning the approval of vehicles with regard to the prevention of fire risks (without Annex 5)	UN ECE 34-03, Supplement 2	24.06.2019
UN ECE 94	Uniform provisions concerning the approval of vehicles with regard to the protection of the occupants in the event of a frontal collision	UN ECE 94-04, Supplement 2	05.03.2024
UN ECE 95	Uniform provisions concerning the approval of vehicles with regard to the protection of the occupants in the event of a lateral collision	UN ECE 95-05, Supplement 3	05.03.2024
UN ECE 100	Uniform provisions concerning the approval of vehicles with regard to specific requirements for the electric power train (without Annex 7, Annex 8 only Section C)	UN ECE 100-03	04.07.2022
UN ECE 135	Uniform provisions concerning the approval of vehicles with regard to their Pole Side Impact performance (PSI)	UN ECE 135-02, Supplement 1	05.03.2024
UN ECE 137	Uniform provisions concerning the approval of passenger cars in the event of a frontal collision with focus on the restraint system	UN ECE 137-02, Supplement 4	05.03.2024
UN ECE 144	Uniform provisions concerning the Accident Emergency Call Systems (AECS) (Annex 9)	UN ECE 144-00	Sep 20
UN ECE 145	Uniform provisions concerning the approval of vehicles with regard to ISOFIX abchorage system, ISOFIX top tether anchorages and i-Size seating positions	UN ECE 145-00	15.06.2023
UN ECE 153	Uniform provisions concerning the approval of vehicles with regard to fuel system integrity and safety of elctric power train in the event of a rear-end collision	UN ECE 153-00, Supplement 3	05.03.2024
49 CFR 571.208 FMVSS 208	Occupant Crash Protection	F.R. Vol. 87 No. 61	17.07.2024
50 CFR 571.210 FMVSS 210	Seat Belt Assembly Anchorages	F.R. Vol. 78 No.221	Nov 13
51 CFR 571.212 FMVSS 212	Windshield Mounting	F.R. Vol. 87 No. 61	17.07.2024
52 CFR 571.214 FMVSS 214	Side Impact Protection	F.R. Vol. 87 No. 61	17.07.2024
53 CFR 571.219 FMVSS 219	Windshield Zone Intrusion	F.R. Vol. 87 No. 61	16.07.2024
54 CFR 571.225 FMVSS 225	Child Restraint Anchorage Systems	F.R. Vol. 87 No. 61	17.07.2024
55 CFR 571.301 FMVSS 301	Fuel System Integrity	F.R. Vol. 78 No. 71	Apr 13
EU) 2017/79	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 invehicles 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 standard (Annex I)	Anhang I	Sep 16
EN 1789:2020	Medical vehicles and their equipment - Road ambulances (Chapter 5.3)	EN 1789:2020	Sep 20