Deutsche Akkreditierungsstelle

Annex to the Accreditation Certificate D-PL-18119-02-01 according to DIN EN ISO/IEC 17025:2018

Valid from: **28.05.2026**

Date of issue: 28.05.2026

This annex is part of the Accreditation Certificate D-PL-18119-02-00.

Holder of the Accreditation Certificate:

TechnoLab Gesellschaft für Elektronikindustrie-Service mbH
Wohlrabedamm 13, 13629 Berlin

with the locations

TechnoLab Gesellschaft für Elektronikindustrie-Service mbH
Wohlrabedamm 13, 13629 Berlin

TechnoLab Gesellschaft für Elektronikindustrie-Service mbH
Eiswerderstr. 16, 13585 Berlin

The testing laboratory meets the requirements of DIN EN ISO/IEC 17025:2018 to carry out the conformity assessment activities listed in this annex. The testing laboratory meets additional legal and normative requirements, if applicable, including those in relevant sectoral schemes, provided that these are explicitly confirmed below.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and they conform to the principles of DIN EN ISO 9001.

Examinations in the areas of:

Environmental simulation

Flexible Scope of Accreditation:

Within the indicated test areas the testing laboratory is permitted without being required to prior inform and obtain approval from DAkkS

[Flex A] **to use standardised or equivalent test methods listed here with different issue dates.**

[Flex B] **to have the free choice from standardised or equivalent test methods.**

The test methods listed are examples. The testing laboratory has an up-to-date list of all test methods within the flexible scope of accreditation. The list is publicly available on the website of the testing laboratory.

1. Flexible field, Test types [Flex B]

Tests in the field of climatic, corrosive and mechanical-dynamic environmental testing

Location W	Wohlrabedamm
Location E	Eiswerder

Test type	Test area	Test parameters	Typical test methods	Site location
Coldness	Chamber temperature	-55 … + 5 °C	EN 60068-2-1	W, E
Dry heat	Chamber temperature	+5 … +250 °C	EN 60068-2-2	W, E
Climate constant	Chamber temperature	+30 … +85 °C	EN 60068-2-67 EN 60068-2-78	W, E
	Relative humidity	85 … 93 % r.H.		
Humid heat cyclic	Chamber temperature	+10 … +85 °C	EN 60068-2-30 EN 60068-2-38	W, E
	Relative humidity	10 … 98 % r.H.		
Temperature change	Chamber temperature	-40… +220 °C	EN 60068-2-14 Nb	W, E
	Rate of change	≤ 15 K/min		
Temperature shock (air/air)	Chamber temperature	-70 … +200 °C	EN 60068-2-14 Na	W, E
	Change time	< 10 sek		
Corrosion Salt spray	Salt concentration	5% NaCl	EN 60068-2-11 ISO 9227 NSS	W
	Temperature	30 … 50 °C		
Corrosion Salt spray with climate control	Salt concentration	5% NaCl	EN 60068-2-52	W
	Temperature salt spray	30 … 50 °C		
	Temperature	23 °C … 60 °C		
	Relative humidity	30% … 93%		

Test type	Test area	Test parameters	Typical test methods	Site location
Corrosion Harmful gas	Gases	H_2S SO_2 NO_2 Cl_2	EN 60068-2-60 EN 60512-11-7	W
	Temperature	+25 … +30°C		
	Relative humidity	70 … 75 % r.H.		
Vibration Oscillation	Frequency	1 … 2500 Hz	EN 60068-2-6 EN 60068-2-64 EN 60068-2-80	W, E
	Acceleration Sine wave Broadband noise	1 … 1000 m/s^2		
Vibration with temperature overlay	Frequency	1 … 2500 Hz	ISO 16750-3 Chapt. 4.1	W, E
	Acceleration Sine wave Broadband noise	1 … 500 m/s^2		
	Temperature	-40°C bis +230 °C		
Mechanical shock	Acceleration Shock	10 … 15000 m/s^2	EN 60068-2-27 EN 60068-2-29	W, E
Shock due to rough handling	Tilt traps and toppling over		EN 60068-2-31	W, E
	Free fall Drop height Fall pad	0 – 2m Wood, concrete, steel		
Stone chipping	Temperature	-55 … +35°C	ISO 20567-1	W
	Pressure	0 … 5bar		
	Particle size	4 … 16mm		
Protection class tests Solid bodies	IP 1X – IP 4X		DIN EN 60529 ISO 20653	W

Test type	Test area	Test parameters	Typical test methods	Site location
Protection class tests Dust	IP 5X – IP 6X	Dust Talc, Arizona	DIN EN 60529 ISO 20653	W
Protection class tests Water	IP X1 – IP X6		DIN EN 60529 ISO 20653	W
Protection class tests Water with increased pressure	IP X4K, IP X6K		DIN EN 60529 ISO 20653	W
Protection class tests High pressure/ steam jet	IP X9K		DIN EN 60529 ISO 20653	W
	Temperature Water	80 °C		
Protection class tests Water immersion	IP X7 – IP X8		DIN EN 60529 ISO 20653	W
	Immersion depth	0 … 2 m		
Sand and dust tests	Temperature	+23 … +80 °C	EN 60068-2-68	W
	Relative humidity	<30 % r.H.		
	Particle concentration	0,18g … 17 g/m^3		
	Air velocity	0,5 … 45 m/s		
Chemical testing	Temperature	RT … +300 °C	ISO 16750-5	W
	Pressurization	Dipping, spraying, brushing, wiping (cloth)		

Test type	Test area	Test parameters	Typical test methods	Site location
Sun exposure Tests	Irradiance (global radiation)	bis 1200 W/m²	ISO 75220 EN 60068-2-5	W
	Wavelength range	300 … 3000 nm		
	Temperature	-10°C … +80°C		
	Relative humidity	<30 % r.H. and >50 % r.H.		
Irradiation UV tests	Irradiance	0,7 … 45 W/m²	ISO 4892-1 ISO 4892-3	W
	Wavelength range	290 nm - 400 nm		
	Temperature	25°C … +70°C		
	Relative humidity	<15 % r.H. and >60 % r.H. Spraying Relative humidity control		
Temperature shock with splash water	Media	Water with 3 % Arizona dust	ISO 16750-4 Chapt. 5.4	W
	Splash water temperature	0 °C … 4 °C		
Resistance to moisture Condensation/ condensation	Chamber Temperature	10 °C … 70 °C 18 °C … 40 °C	ISO 16750-4 Chapt. 5.8 ISO 6270-2	W
	Relative humidity	70% - 95% r.F. 100% r.F.		
Step temperature	Temperature chamber Temperature	- 40 °C … 70 °C	ISO 16750-4 Chapt. 5.2	W, E
Dielectric strength	DC voltage	up to 5 kV	EN 60664-1 Chapt. 6.4.7	W, E

Test type	Test area	Test parameters	Typical test methods	Site location
Contact resistance	Millivoltage method	< 20 mV	EN 60512-2-1	W, E
Insulation resistance	Voltage	100 V, 500 V	EN 60512-3-1	W, E
Dielectric strength	DC voltage	500 V	EN 60512-3-1	W, E
Visual inspection			EN 13018 EN 60512-1	W, E
Low air pressure	Air pressure Temperature	0,037 bar … 1 bar 15°C … +35 °C	EN 60068-2-13 MIL-STD-810H, Method 500.6 RTCA/DO-160G, 4.6.1	W, E
Low air pressure Heat	Air pressure Temperature	0,037 bar … 1 bar +5 °C … +60 °C	RTCA/DO-160G, 4.6.1	W, E
Low air pressure Coldness	Air pressure Temperature	0,037 bar … 1 bar -20 °C … +5 °C	RTCA/DO-160G, 4.6.1	W, E
High air pressure	Air pressure Temperature	1 bar … 2,7 bar 15°C … +35 °C	RTCA/DO-160G, 4.6.3	W, E

2. Standards or equivalent test methods [Flex A]

Location W	Wohlrabedamm
Location E	Eiswerder

Field	Standard or Test method / issue status	Title of the standard or test method	Location/ Restrictions on the test procedure
Basic standards			
Environmental simulation	DIN EN 60068-2-1 (VDE 0468-2-1): 2008-01	Environmental testing - Part 2-1: Tests - Test A: Cold (IEC 60068-2-1:2007); German version EN 60068-2-1:2007	W, E
Environmental simulation	DIN EN 60068-2-2 (VDE 0468-2-2): 2008-05	Environmental testing - Part 2-2: Tests - Test B: Dry heat (IEC 60068-2-2:2007); German version EN 60068-2-2:2007	W, E
Environmental simulation	DIN EN IEC 60068-2-5 (VDE 0468-2-5): 2019-02	Environmental testing - Part 2-5: Tests - Test S: Simulated solar radiation at ground level and guidance for solar radiation testing and weathering (IEC 60068-2-5:2018); German version EN IEC 60068-2-5:2018	W without test procedure SB
Environmental simulation	DIN EN 60068-2-6 (VDE 0468-2-6): 2008-10	Environmental testing - Part 2-6: Tests - Test Fc: Vibration (sinusoidal) (IEC 60068-2-6:2007); German version EN 60068-2-6:2008	W, E
Environmental simulation	DIN EN 60068-2-11: 2022-10	Environmental testing - Part 2-11: Tests - Test Ka: Salt mist (IEC 60068-2-11:2021); German version EN IEC 60068-2-11:2021	W

Field	Standard or Test method / issue status	Title of the standard or test method	Location/ Restrictions on the test procedure
Environmental simulation	DIN EN IEC 60068-2-13: 2022-11 VDE 0468-2-13: 2022-11	Environmental testing - Part 2-13: Tests - Test M: Low air pressure (IEC 60068-2-13:2021); German version EN IEC 60068-2-13:2021	W, E
Environmental simulation	DIN EN 60068-2-14: 2010-04	Environmental testing - Part 2-14: Tests - Test N: Change of temperature (IEC 60068-2-14:2009); German version EN 60068-2-14:2009	W, E without test Nc
Environmental simulation	DIN EN 60068-2-27 (VDE 0468-2-27): 2010-02	Environmental testing - Part 2-27: Tests - Test Ea and guidance: Shock (IEC 60068-2-27:2008); German version EN 60068-2-27:2009	W, E
Environmental simulation	DIN EN 60068-2-29: 1995-03	Environmental audits Part 2: Audits Eb tests and guidelines: Permanent shocks (IEC 68-2-29:1987); German version EN 60068-2-29:1993	W, E
Environmental simulation	DIN EN 60068-2-30: 2006-06	Environmental testing - Part 2-30: Tests - Test Db: Damp heat, cyclic (12 h + 12 h cycle) (IEC 60068-2-30:2005); German version EN 60068-2-30:2005	W, E
Environmental simulation	DIN EN 60068-2-31: 2009 -04	Environmental testing - Part 2-31: Tests - Test Ec: Rough handling shocks, primarily for equipment-type specimens (IEC 60068-2-31:2008)	W, E Without repeated falling

Field	Standard or Test method / issue status	Title of the standard or test method	Location/ Restrictions on the test procedure
Environmental simulation	DIN EN IEC 60068-2-38 (VDE 0468-2-38): 2021- 09	Environmental testing - Part 2-38: Tests - Test Z/AD: Composite temperature/humidity cyclic test (IEC 60068-2-38:2021); German version EN IEC 60068-2-38:2021	W, E
Environmental simulation	DIN EN 60068-2-52 (VDE 0468-2-52): 2018-08	Environmental testing - Part 2-52: Tests - Test Kb: Salt mist, cyclic (sodium chloride solution) (IEC 60068-2-52:2017); German version EN IEC 60068-2-52:2018	W without testing Test method 8
Environmental simulation	DIN EN 60068-2-60 (VDE 0468-2-60): 2016-06	Environmental testing - Part 2-60: Tests - Test Ke: Flowing mixed gas corrosion test (IEC 60068-2-60:2015); German version EN 60068-2-60:2015	W
Environmental simulation	DIN EN 60068-2-64 (VDE 0468-2-64): 2020-09	Environmental testing - Part 2-64: Tests - Test Fh: Vibration, broadband random and guidance (IEC 60068-2-64:2008 + A1:2019); German version EN 60068-2-64:2008 + A1:2019	W, E
Environmental simulation	DIN EN 60068-2-67: 2020-08	Environmental exposure - Part 2-67: Test methods - Test Cy: Moist heat, contant, accelerated test, preferably for building elements	W, E
Environmental simulation	DIN EN 60068-2-68: 1997 -02	Environmental testing - Part 2: Tests; test L: Dust and sand (IEC 60068-2-68:1994); German version EN 60068-2-68:1996	W Test Lc only (method Lc1 and method Lc2)
Environmental simulation	DIN EN 60068-2-78 (VDE 0468-2-78): 2014-02	Environmental testing - Part 2-78: Tests - Test Cab: Damp heat, steady state (IEC 60068-2-78:2012); German version EN 60068-2-78:2013	W, E

Field	Standard or Test method / issue status	Title of the standard or test method	Location/ Restrictions on the test procedure
Environmental simulation	DIN EN 60068-2-80: 2006 -05	Environmental testing - Part 2-80: Tests - Test Fi: Vibration - Mixed mode (IEC 60068-2-80:2005); German version EN 60068-2-80:2005	W, E
Environmental simulation	DIN EN 61373 (VDE 0115- 106): 2011-04	Railway applications - Rolling stock equipment - Shock and vibration tests (IEC 61373:2010); German version EN 61373:2010	W, E
Environmental simulation	DIN EN 13018: 2016-06	Non-destructive testing - Visual inspection	W, E
Environmental simulation	DIN EN 60512-1-1: 2003-01	Connectors for electronic equipment - Measurement and test methods - Part 1-1: General inspection - Test 1a: Visual inspection	W, E
Environmental simulation	DIN EN 60512-2-1: 2003-01	Connectors for electronic equipment - Methods of measurement and testing - Part 2-1: Electrical continuity and contact resistance tests - Test 2a: Contact resistance - Millivolt method	W, E
Environmental simulation	DIN EN 60512-3-1: 2003-01	Connectors for electronic equipment - Measurement and test methods - Part 3-1: Insulation tests - Test 3a: Insulation resistance	W, E
Environmental simulation	DIN EN 60512-4-1: 2004-01	Connectors for electronic equipment - Methods of measurement and testing - Part 4-1: Stress tests - Test 4a: Dielectric strength	W, E

Field	Standard or Test method / issue status	Title of the standard or test method	Location/ Restrictions on the test procedure
Environmental simulation	DIN EN 60512-11-7: 2004 -06	Connectors for electronic equipment - Measurement and test methods - Part 11-7: Climatic tests - Test 11g: Corrosion test with flowing mixed gas (IEC 60512-11-7:2003); German version EN 60512-11-7:2003	W
Environmental simulation	DIN EN ISO 9227: 2017-07	Corrosion tests in artificial atmospheres - Salt spray tests (ISO 9227:2017); German version EN ISO 9227:2017	W only test: 5.2.2 Neutral salt spray test (NSS test)
Environmental simulation	DIN EN ISO 20567-1: 2017 -07	Paints and varnishes - Determination of stone-chip resistance of coatings - Part 1: Multi-impact testing (ISO 20567-1:2017); German version EN ISO 20567-1:2017	W
Environmental simulation	DIN EN 60529 (VDE 0470-1): 2014-09	Degrees of protection provided by enclosures (IP Code) (IEC 60529:1989 + A1:1999 + A2:2013); German version EN 60529:1991 + A1:2000 + A2:2013	W
Environmental simulation	DIN EN 60034-5 (VDE 0530): 2007-09	Rotating electrical machines - Part 5: Degrees of protection provided by the integral design of rotating electrical machines (IP code) - Classification (IEC 60034-5:2020); German version EN IEC 60034-5:2020	W
Environmental simulation	ISO 20653: 2023-08	Road vehicles - Degrees of protection (IP code) - Protection of electrical equipment against foreign objects, water and access	W

Field	Standard or Test method / issue status	Title of the standard or test method	Location/ Restrictions on the test procedure
Environmental simulation	DIN EN ISO 4892-2: 2021-11	Plastics - Artificial irradiation or weathering in devices -Part 2: Xenon arc lamps	W Only procedure Annex B Table B.1 Procedure B Cycle B2
Environmental simulation	DIN EN ISO 4892-3: 2016-10	Plastics - Methods of exposure to laboratory light sources - Part 3: Fluorescent UV lamps (ISO 4892-3:2016); German version EN ISO 4892-3:2016	W not tests: Procedure C
Environmental simulation	ISO 16750-3: 2012-12	Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 3: Mechanical loads	W
Environmental simulation	ISO 16750-3: 2012-12	Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 3: Mechanical loads	E Without 4.3, 4.4 and 4.5
Environmental simulation	ISO 16750-4: 2010-04	Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 4: Climatic loads	W

Field	Standard or Test method / issue status	Title of the standard or test method	Location/ Restrictions on the test procedure
Environmental simulation	ISO 16750-4: 2010-04	Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 4: Climatic loads	E only: 5.2, 5.3, 5.6, 5.7
Environmental simulation	ISO 16750-5: 2010-04	Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 5: Chemical loads	W
Environmental simulation	ISO 19453-5: 2018-03	Road vehicles - Environmental conditions and testing for electrical and electronic equipment for drive system of electric propulsion vehicles - Part 5: Chemical loads	W
Environmental simulation	DIN EN 75220: 1992-11	Ageing of automotive components in solar simulation units	W
Environmental simulation	MBN LV 124-2: 2013-08	Electrical and electronic components in passenger cars up to 3,5 tonnes - General requirements, test conditions and tests - Part 2: Environmental requirements Mechanical requirements and tests: M-01, M-02, M-03, M-04, M-05, M-06 Climatic requirements and tests: K-01, K-02, K-03, K-04, K-05, K-06, K-07, K-08, K-09, K-10, K-11, K-12, K-13, K-14 (Severity 1 and Severity 2), K-15 (Variant a und b), K-16, K-17 (Z-OUT) und K-18 Chemical requirements and tests: C-01 Service life tests:	W

Field	Standard or Test method / issue status	Title of the standard or test method	Location/ Restrictions on the test procedure
		L-02, L-03	
Environmental simulation	MBN LV 124-2: 2013-08	Electrical and electronic components in passenger cars up to 3,5 tonnes - General requirements, test conditions and tests - Part 2: Environmental requirements Mechanical requirements and tests: M-01, M-04, M-05, M-06 Climatic requirements and tests: K-01, K-02, K-03, K-04, K-05, K-08, K-09, K-14 (Severity 1 and Severity 2), K-15 (Variant a und b), K-16 Service life tests: L-02, L-03	E
Environmental simulation	VW 80000: 2021-01	Electrical and Electronic Units in Motor Vehicles up to 3,5 t General Requirements, Test Conditions, and Tests Mechanical requirements and tests: M-01, M-02, M-03, M-04, M-05, M-06, M-08 Climatic requirements and tests: K-01, K-02, K-03, K-04, K-05, K-06, K-07, K-08, K-09, K-10, K-11, K-12, K-13, K-14 (Severity 1 and Severity 2), K-15, K-16, K-17 (Z-OUT) und K-18 Chemical requirements and tests: C-01	W

Field	Standard or Test method / issue status	Title of the standard or test method	Location/ Restrictions on the test procedure
		Service life tests: L-02 und L-03	
Environmental simulation	VW 80000: 2021-01	Electrical and Electronic Units in Motor Vehicles up to 3,5 t General Requirements, Test Conditions, and Tests Mechanical requirements and tests: M-01, M-04, M-05, M-06 Climatic requirements and tests: K-01, K-02, K-03, K-04, K-05, K-08, K-09, K-14 (Severity 1 and Severity 2), K-15, K-16 Service life tests: L-02 und L-03	E
Environmental simulation	GS 95024-3-1: 2019-08	Electrical and electronic components in motor vehicles Environmental requirements and tests Mechanical requirements and tests: M-01, M-02, M-03, M-04, M-05, M-06 Climatic requirements and tests: K-01, K-02, K-03, K-04, K-05, K-06, K-07, K-08, K-09, K-10, K-11, K-12, K-13, K-14 (Severity 1 und Severity 2), K-15 (Variant a und b), K-16, K-17 (Z-OUT) und K-18 Chemical requirements and tests: C-01 Service life tests: L-02 und L-03	W

Field	Standard or Test method / issue status	Title of the standard or test method	Location/ Restrictions on the test procedure
Environmental simulation	GS 95024-3-1: 2019-08	Electrical and electronic components in motor vehicles Environmental requirements and tests Mechanical requirements and tests: M-01, M-04, M-05, M-06 Climatic requirements and tests: K-01, K-02, K-03, K-04, K-05, K-08, K-09, K-14 (Severity 1 und Severity 2), K-15 (Variant a und b), K-16 Service life tests: L-02 und L-03	E
Environmental simulation	RTCA/DO-160F: 2007-12	Environmental Conditions and Test Procedures for Airborne Equipment Test: Section 5 (Temperature Variation) Section 11 (Fluids Susceptibility) Section 12, Category D Section 12, Category S Section 14 (Salt Spray)	W
Environmental simulation	RTCA/DO-160F: 2007-12	Environmental Conditions and Test Procedures for Airborne Equipment Test: Section 5 (Temperature Variation)	E

Field	Standard or Test method / issue status	Title of the standard or test method	Location/ Restrictions on the test procedure
Environmental simulation	RTCA/DO-160G: 2010-12	Environmental Conditions and Test Procedures for Airborne Equipment Test: Section 4 (Temperature and Altitude) 4.6.1 Altitude Test, 4.6.2 Decompression Test, 4.6.3 Overpressure Test Section 5 (Temperature Variation) Section 11 (Fluids Susceptibility) Section 12, Category D Section 12, Category S Section 14 (Salt Spray)	W
Environmental simulation	RTCA/DO-160G: 2010-12	Environmental Conditions and Test Procedures for Airborne Equipment Test: Section 4 (Temperature and Altitude) 4.6.1 Altitude Test, 4.6.2 Decompression Test, 4.6.3 Overpressure Test Section 5 (Temperature Variation)	E
Environmental simulation	MIL-STD-810F: 2000-01	Department of defense test method standard for environmental engineering considerations and laboratory tests Only: Method 501.4 (High Temperature) Method 502.4 (Low Temperature) Method 503.4 (Temperature Shock) Method 504 (Contamination by Fluids) Method 509.4 (Salt Fog) Method 510.4 Procedure I (Blowing Dust) Method 510.4 Procedure II (Blowing Sand)	W

Field	Standard or Test method / issue status	Title of the standard or test method	Location/ Restrictions on the test procedure
Environmental simulation	MIL-STD-810F: 2000-01	Department of defense test method standard for environmental engineering considerations and laboratory tests Only: Method 501.4 (High Temperature) Method 502.4 (Low Temperature) Method 503.4 (Temperature Shock)	E
Environmental simulation	MIL-STD-810G: 2008-10	Department of defense test method standard Environmental engineering considerations and laboratory tests Only: Method 501.5 (High Temperatur) Method 502.5 (Low Temperatur) Method 503.5 (Temperature Shock) Method 504.1 (Contamination by Fluids) Method 505.5 (Solar Radiation (Sunshine)) Procedure II Method 509.5 (Salt Fog) Method 510.5 Procedure I (Blowing Dust) Method 510.5 Procedure II (Blowing Sand)	W
Environmental simulation	MIL-STD-810G: 2008-10	Department of defense test method standard Environmental engineering considerations and laboratory tests Only: Method 501.5 (High Temperatur) Method 502.5 (Low Temperatur) Method 503.5 (Temperature Shock)	E

Field	Standard or Test method / issue status	Title of the standard or test method	Location/ Restrictions on the test procedure
Environmental simulation	MIL-STD-810G w/Change 1: 2014:04	Department of defense test method standard Environmental engineering considerations and laboratory tests Only: Method 501.6 (High Temperature) Method 502.6 (Low Temperature) Method 503.6 (Temperature Shock) Method 504.2 (Contamination by Fluids) Method 505.6 (Solar Radiation (Sunshine)) Procedure II Method 510.6 Procedure I (Blowing Dust) Method 510.6 Procedure II (Blowing Sand)	W
Environmental simulation	MIL-STD-810G w/Change 1: 2014:04	Department of defense test method standard Environmental engineering considerations and laboratory tests Only: Method 501.6 (High Temperature) Method 502.6 (Low Temperature) Method 503.6 (Temperature Shock)	E

Field	Standard or Test method / issue status	Title of the standard or test method	Location/ Restrictions on the test procedure
Environmental simulation	MIL-STD-810H: 2019-01	Department of defense test method standard Environmental engineering considerations and laboratory tests Tests: Method 500.6 (Low Pressure (Altitude) Procedure I (Storage/Air Transport) Procedure II (Operation/Air Carriage) Procedure III (Rapid Decompression) Method 501.7 (High Temperature) Method 502.7 (Low Temperature) Method 503.7 (Temperature Shock) Method 504.3 (Contamination by Fluids) Method 505.7 (Solar Radiation (Sunshine)) Procedure II Method 509.7 (Salt Fog) Method 510.7, Procedure I (Blowing Dust) Method 510.7, Procedure II (Blowing Sand)	W
Environmental simulation	MIL-STD-810H: 2019-01	Department of defense test method standard Environmental engineering considerations and laboratory tests Tests: Method 500.6 (Low Pressure (Altitude) Procedure I (Storage/Air Transport) Procedure II (Operation/Air Carriage) Procedure III (Rapid Decompression) Method 501.7 (High Temperature) Method 502.7 (Low Temperature) Method 503.7 (Temperature Shock)	E

Field	Standard or Test method / issue status	Title of the standard or test method	Location/ Restrictions on the test procedure
Environmental simulation	SAE J400: 2012-10	Test for Chip Resistance of Surface Coatings	W
Environmental simulation	SAE J400: 2022-08	Test for Chip Resistance of Surface Coatings	W
Environmental simulation	JDQ 53.3: 2011-08	Environmental Design and Testing of Electronic/Electrical Components and Assemblies	W only: 3.3 Particle Impact, Level 2

Abbreviations used:

DIN EN	Deutsches Institut für Normung e.V., (German Institute for Standardisation e.V.)
SAE	Society of Automotive Engineers
ISO	International Organisation for Standardization
JDQ	John Deere Quality test
MIL	Military standard of the US Army
RTCA	Radio technical commission for aeronautics
GS	BMW Group Standard
VW	Vorschrift der Volkswagen AG, (Regulation of Volkswagen AG)
MBN	Mercedes Benz Norm, (Mercedes Benz standard)