Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **L 597**

of **Prodrive Technologies Innovation Services B.V. Laboratory**

This annex is valid from: **20-04-2023** to **01-03-2027** Replaces annex dated: **06-04-2022**

Location(s) where activities are performed under accreditation

Head Office

Science Park Eindhoven 5501
5692 EM
Son
The Netherlands

Location	Abbreviation/ location code
Science Park Eindhoven 5501 5692 EM Son The Netherlands	SO

No.	Material or product	Type of activity[1]	Internal reference number	Location
EMC.E	**Electromagnetic Compatibility Emission (EMC) - Emission**			
EMC.E.01	Electronic and/or electric apparatus and sub-assemblies	Conducted Emissions Voltage method (AN) 150 kHz - 30 MHz	CISPR 11 / EN 55011, CISPR 22 / EN 55022, CISPR3 2 / EN 55032, CISPR 16 / EN 55016 (Discontinuous disturbance not included)	SO
EMC.E.02		Conducted Emissions Voltage method (AMN) 150 kHz – 30 MHz	CISPR 11 / EN 55011, CISPR 22 / EN 55022, CISPR 32 / EN 55032, CISPR 16 / EN 55016 (Discontinuous disturbance not included)	SO

This annex has been approved by the Board of the Dutch Accreditation Council, on its behalf,

J.A.W.M. de Haas

[1] If there is a referral to a code starting with NAW, NAP, EA or IAF, this concerns a scheme mentioned on the RvA-BR010-lijst.
If no date or version number is mentioned for a normative document, the accreditation concerns the most current version of the document or scheme.

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No.	Material or product	Type of activity[1]	Internal reference number	Location
EMC.E.03	Electronic and/or electric apparatus and sub-assemblies	Conducted Emissions Voltage method (LISN) 150 kHz – 30 MHz	CISPR 11 / EN 55011, CISPR 22 / EN 55022, CISPR 32 / EN 55032, CISPR 16 / EN 55016 (Discontinuousdisturbance not included)	SO
EMC.E.14		Radiated Emissions Full Anechoic Chamber Method (FACM) 1 GHz - 6 GHz	CISPR 11 / EN 55011, CISPR 22 / EN 55022, CISPR 32 / EN 55032, CISPR 16 / EN 55016 (Discontinuousdisturbance not included)	SO
EMC.E.15		Radiated Emissions Semi Anechoic Chamber Method (SACM) 30 MHz - 1 GHz	CISPR 11 / EN 55011, CISPR 22 / EN 55022, CISPR 32 / EN 55032, CISPR 16 / EN 55016 (Discontinuousdisturbance not included)	SO
EMC.I	**Electromagnetic Compatibility Immunity (EMC) - Immunity / susceptibility**			
EMC.I.01	Electronic and/or electric apparatus and sub-assemblies	Conducted RF Immunity Electromagnetic 10 Vrms 150 kHz to 80 MHz	EN-IEC 61000-4-6	SO
EMC.I.12		Radiated Immunity Electric Field 80 MHz - 6 GHz: 10 V/m	EN-IEC 61000-4-3	SO
EMC.I.21		Electrostatic discharge Immunity (ESD) Contact discharge 0 - 30 kV Air discharge 0 – 30 kV	EN-IEC 61000-4-2	SO
EMC.I.22		Electrical fast transient / burst Immunity (EFT) 1 phase / 3 phase / other lines 0.25 - 6 kV	EN-IEC 61000-4-4	SO
EMC.I.23		Surge Immunity 1 phase / 3 phase / other lines 0.5 - 6 kV	EN-IEC 61000-4-5	SO

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No.	Material or product	Type of activity[1]	Internal reference number	Location
EMC.I.24	Electronic and/or electric apparatus and sub-assemblies	Power frequency magnetic field Immunity 50/60 Hz 1 – 140 A/m	EN-IEC 61000-4-8	SO
EMC.I.26		Voltage dips, short interruptions and voltage variations Immunity 1 phase / 3 phase Angle(s) 0…359°	EN-IEC 61000-4-11	SO
Electromagnetic Compatibility (EMC) - Emission - Automotive				
EMC.I.21	Electronic and/or electric apparatus and sub-assemblies	Electrostatic discharge Immunity (ESD) Contact discharge 0 - 30 kV Air discharge 0 – 30 kV	ISO 10605	SO
EMC.I.27	Electronic and/or electric apparatus and sub-assemblies	Electric transient transmission via lines other than supply lines Immunity 150V 10kHz RF (repetitive frequency)	ISO 7637-3	SO
EMC.I.39		Electric transient transmission along supply lines Immunity 150V 10kHz RF (repetitive frequency)	ISO 7637-3	SO
Temperature & Humidity Testing				
1	Electronic and/or electric apparatus and subassemblies and parts	Environmental testing: Cold (≥ -50 ºC)	6001-1252-83xx NEN-EN-IEC 60068-2-1, VW80000 K01, K03, ISO16750-4 5.1.1	SO
2		Environmental testing: Dry heat (≤ 120 ºC)	6001-1252-83xx NEN-EN-IEC 60068-2-2, VW80000 K01, ISO16750-4 5.1.2	SO
3		Environmental testing: Temperature performance (≤ 120 ºC)	6001-1252-83xx NEN-EN-IEC 60068-2-2	SO
4		Incremental temperature test (≥ -50 ºC ≤ 120 ºC)	6001-1252-83xx VW80000 K02, ISO16750-4 5.2	SO
5		Repainting temperature test (≥ 110 ºC ≤ 130 ºC)	6001-1252-83xx VW80000 K04	SO

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No.	Material or product	Type of activity[1]	Internal reference number	Location
6		Change of temperature test (≥ -50 ºC ≤ 120 ºC ≤ 30s)	6001-1252-83xx NEN-EN-IEC 60068-2-14 (Na), VW80000 L03, ISO16750-4 5.3	SO
7		Change of temperature test (≥ -50 ºC ≤ 105 ºC ≤ 15 ºC/min)	6001-1252-83xx NEN-EN-IEC 60068-2-14 (Nb), VW80000 L03	SO
8		Environmental testing: Damp heat cyclic (≤ 55 ºC ≥ 95% RH)	6001-1252-83xx NEN-EN-IEC 60068-2-30, VW80000 K08, ISO16750-4 5.6.2.2	SO
9	Electronic and/or electric apparatus and subassemblies and parts	Environmental testing: Composite temperature/humidity cyclic (with frost) (≥ -10 ºC ≤ 65 ºC, ≥ 80 % RH ≤ 96% RH)	6001-1252-83xx NEN-EN-IEC 60068-2-38, VW80000 K09, ISO16750-4 5.6.2.3	SO
10		Environmental testing: Damp heat steady state (≤ 40 ºC ≥ 95%RH)	6001-1252-83xx NEN-EN-IEC 60068-2-78, VW80000 K14, ISO16750-4 5.7	SO
		Ingress Protection Testing		
11	Electronic and/or electric apparatus and subassemblies and parts	Degrees of protection provided by enclosure for the following IP codes: IP0x, IP1x, IP2x, IP3x, IP4x, IPx0, IPxxA, IPxxB, IPxxC, IPxxD	6001-1252-81xx IEC 60529, ISO 20653	SO

Product standars containing one or more of the above mentioned test activities are listed below. Accreditation is only applicable to the tests mentioned above.

No.	Material or product	Acitivity reference number	Product Standard	Location
EMC.S.02	**Automotive**			
	Electronic and/or electric apparatus and subassemblies and parts	EMC.E.01, EMC.E.02, EMC.E.03, EMC.I.01, EMC.I.15, EMC.I.21, EMC.I.22, EMC.I.23, EMC.E.xx, EMC.E.01, EMC.E.05, EMC.I.02, EMC.I.21, EMC.I.xx, EMC.I.27	TL81000, UNECE R10	SO

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No.	Material or product	Type of activity[1]	Internal reference number	Location
EMC.S.03	**Electronic and electrical equipment**			
	Electronic and/or electric apparatus and subassemblies and parts	EMC.E.01, EMC.E.02, EMC.E.03, EMC.E.14, EMC.E.15, EMC.I.01, EMC.I.12, EMC.I.21, EMC.I.22, EMC.I.23, EMC.I.24, EMC.I.26	EN-IEC 61000-6-3, EN-IEC 61000-6-4, EN-IEC 60601-1-2, CISPR 11, CISPR 22, CISPR 32, EN-IEC 61326-1, EN-IEC 61851-21-2, EN-IEC 61851-21-2, EN12015, NEN-IEC 60533, NEN-EN 50124-4, NEN-EN 50121-3-2, CISPR 24, CISPR 35, IEC 60601-1-2, 61000-6-1, 61000-6-2, EN 12016, EN-IEC 61326-1, EN-IEC 61326-2-6, EN-IEC 61800-3, EN-IEC 61851-21-2, EN 50412-2-1, NEN-EN-IEC 61000-6-7, EN-IEC 61851-21-2, NEN-IEC 60533, NEN-EN 50121-4, NEN-EN 50121-1, NEN-EN 50124-4, NEN-EN 50121-3-2, NEN-EN 50065-2-1, NEN-EN-IEC 61547, EN 55035, EN 55032, EN 55011, EN 55022	SO