Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **L 220**

of **Stichting Koninklijk Nederlands Lucht- en Ruimtevaartcentrum**
National Aerospace Laboratory
Test Laboratory Electromagnetic Compatibility (EMC)
Test Laboratory Vibration and Shock (VST)

This annex is valid from: **21-08-2025** to **01-09-2029** Replaces annex dated: **17-05-2023**

Location(s) where activities are performed under accreditation

Head Office

Anthony Fokkerweg 2
1059 CM
Amsterdam
The Netherlands

Location	Abbreviation/ location code
Voorsterweg 31 8316 PR Marknesse The Netherlands	MA

No.	Material or product	Type of activity[1]	Internal reference number	Location
EMC.E.E	**Electromagnetic Compatibility (EMC) –Emission**			
EMC.E.05	Electronic and electrical equipment, for use in aircraft or in related ground systems	Conducted Emissions Current Method 150 kHz to 152 MHz	EUROCAE ED-14 / RTCA DO-160; section 21.4	MA

[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-list.
If no date or version number is mentioned for a normative document, the accreditation concerns the most current version of the document or scheme.

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

J.A.W.M. de Haas

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No.	Material or product	Type of activity[1]	Internal reference number	Location
EMC.E.11	Electronic and electrical equipment, for use in aircraft or in related ground systems	Conducted Emissions On power leads 10 kHz to 10 MHz	MIL-STD 461; CE 102	MA
EMC.E.11		Conducted Emissions On power leads 30 Hz to 10 kHz	MIL-STD 461; CE 101	MA
EMC.E.21		Radiated Emissions Electric Field 100 MHz – 6 GHz	EUROCAE ED-14 / RTCA DO-160; section 21.5	MA
EMC.E.21		Radiated Emissions Electric field 10 kHz to 18 GHz	MIL-STD 461; RE 102	MA
EMC.E.22		Radiated Emissions Magnetic field 30 Hz to 100 kHz	MIL-STD 461; RE 101	MA
EMC.E.I	**Electromagnetic Compatibility (EMC) – Immunity / Susceptibility**			
EMC.I.02	Electronic and electrical equipment for use in military aircraft, in spacecraft, or in related ground systems	Conducted RF Immunity Bulk Current Injection method 10 kHz to 200 MHz 37 – 115 dBµA	MIL-STD 461; CS 114	MA

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No.	Material or product	Type of activity[1]	Internal reference number	Location
EMC.I.02	Electronic and electrical equipment for use in military aircraft, in spacecraft, or in related ground systems	Conducted RF Immunity Bulk Current Injection Conducted method 10 kHz to 400 MHz 0.03 – 300 mA	EUROCAE ED-14 / RTCA DO-160; Section 20.4	MA
EMC.I.04		Conducted susceptibility on all leads Impulse excitation 5 A pulse, 30 Hz repetition rate	MIL-STD-461; CS115	MA
EMC.I.05		Conducted susceptibility Audio frequency power leads Up to 136 dBµV 30 Hz - 150 kHz 16 V_{pp}	MIL-STD 461; CS 101	MA
EMC.I.05		Conducted susceptibility Audio frequency power leads 10 Hz - 150 kHz	EUROCAE ED-14/ RTCA DO-160; section 18	MA
EMC.I.12		Radiated susceptibility Electric Field (10 kHz) 2 MHz to 18 GHz 200 V/m	MIL-STD 461; RS 103	MA
EMC.I.12		Radiated susceptibility Electric Field 100 MHz to 18 GHz 200 V/m	EUROCAE ED-14 / RTCA DO-160; Section 20.5	MA

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No.	Material or product	Type of activity[1]	Internal reference number	Location
EMC.I.13	Electronic and electrical equipment for use in military aircraft, in spacecraft, or in related ground systems	Radiated susceptibility Magnetic Field 30 Hz to 100 kHz Up to 183 dBpT	MIL-STD 461; RS 101	MA
EMC.I.16		Induced signal susceptibility Magnetic field into equipment 20 A_{RMS} (28VDC, 115V/400Hz and 115V/350-800Hz equipment)	EUROCAE ED-14 / RTCA DO-160; section 19	MA
EMC.I.17		Induced signal susceptibility Magnetic field into interconnecting cables Up to 120 Am (28VDC, 115V/400Hz and 115V/350-800Hz equipment)	EUROCAE ED-14 / RTCA DO-160; section 19	MA
EMC.I.18		Induced signal susceptibility Electric field into interconnecting cables VxL=5400 Vm (28VDC, 115V/400Hz and 115V/350-800Hz equipment)	EUROCAE ED-14 / RTCA DO-160; section 19	MA
EMC.I.19		Induced signal susceptibility Spikes into interconnecting cables 600 V_{P-P}	EUROCAE ED-14 / RTCA DO-160; section 19	MA

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No.	Material or product	Type of activity[1]	Internal reference number	Location
EMC.I.20	Electronic and electrical equipment for use in military aircraft, in spacecraft, or in related ground systems	Lightning induced transient susceptibility Pin injection / Cable bundle / Ground injection - Waveforms: 1, 2, 3, 4, 5A, 5B - Level 1 to 5 (3200V / 5000A) - Single Stroke, Multiple Stroke, Multiple Burst - Pin Injection, Cable Induction, Ground Injection	EUROCAE ED-14 / RTCA DO-160; section 22 MIL-STD-461; CS117	MA
EMC.I.35		Voltage spikes Immunity DC, 1 phase AC, 3-phase AC 600 V	EUROCAE ED-14 / DO-160; section 17	MA
EMC.I.49		conducted susceptibility, damped sinusoidal transients, cables and power leads. 10 A 10 kHz – 100 MHz	MIL-STD-461; CS116	MA
		Vibration Testing		
1	Electrical, mechanical equipment, component, or assembly, maximum item mass 100 kg	Exposure of material or product to vibration and Gunfire vibration Limits of test equipment: Max shaker force: 35 kN Max. displacement 0.052 m Max. velocity 2 m/s Max. acceleration 120 g	AS VST-02 MIL-STD-810G method 514.6, Eurocae ED-14G/RTCA DO-160G, section 8	MA
2		Exposure of material or product to sine vibration Limits of test equipment as number 1	AS VST-02 IEC 60068 2-6	MA

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No.	Material or product	Type of activity[1]	Internal reference number	Location
3	Electrical, mechanical equipment, component, or assembly, maximum item mass 100 kg	Exposure of material or product to random vibration Limits of test equipment as number 1	AS VST-02 IEC 60068 2-64	MA
		Shock Testing		
4	Electrical, mechanical equipment, component, or assembly, maximum item mass 100 kg	Exposure of material or product to Classical Shock Limits of test equipment as number 1	AS VST-02 MIL-STD-810G method 516.6	MA
5		Exposure of material or product to Operational Shock and crash safety Limits of test equipment as number 1	AS VST-02 ED-14G/RTCA DO-160G, section 7	MA
6		Exposure of material or product to Classical Shock or Bump Limits of test equipment as number 1	AS VST-02 IEC 60068-2-27	MA