Schedule of Accreditation

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Accredited to ISO/IEC 17025:2017

Product Assessment & Reliability Centre Limited T/A PARC

Issue No: 040 **Issue date:** 09 October 2026

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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
General non-explosive stores and equipment including: Aerospace Structures, Materials and Equipment Agricultural Equipment Computers and Peripherals Domestic Appliances Electrical/Electronic Components, Connectors and Products Electro-Mechanical Devices Loaded Containers Marine Equipment Mining Equipment Missile Sub-Assemblies and Components Medical devices and components Sub-sea equipment & components Motor Vehicle Accessories and Components Office Equipment Rail and Rolling Stock Equipment and components Radar Equipment Radio and Television Equipment Safety Appliances and Equipment Weapons and Sub-Assemblies Satellites and Sub-Assemblies Security Devices and Alarms Telecommunications Equipment	**ENVIRONMENTAL TESTS** non-explosive items **CLIMATIC** <u>High Temperature - Low Humidity</u> - Steady State and Cyclic Max temp: +150°C Max chamber size: 2 m x 2 m x 2 m	BS EN 60068-2-2:2007 Test B BS EN 60068-2-2:1993 Tests Ba, Bb **BS EN 60068-2-2:2025** IEC 68-2-2:1974 Supp A:1976, Amd 1:1993 DEF STAN 00-035 (Part 3) Issue 6 Test CL2 DEF STAN 00-35 (Part 3) Issue 3 Test CL1 DEF STAN 00-35 (Part 3) Issue 4 Test CL2 DEF STAN 00-035 (Part 3) Issue 5 Test CL2 DEF STAN 00-035 (Part 3) Issue 7 Test CL2 MIL STD-810H:CN1 Method 501.7 MIL-STD-810H Method 501.7 MIL-STD-810G, Method 501.5 MIL-STD-810G:CN1 Method 501.6 MIL-STD-810F, Method 501.4 MIL-STD-810E, Method 501.3 MIL-STD-810D, Method 501.2 BS EN 50155:2021 RTCA DO-160D, Sections 4 & 5 RTCA DO-160E, Sections 4 & 5 RTCA DO-160F, Sections 4 & 5 RTCA DO-160G, Sections 4 & 5

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
As listed on Page 1	**ENVIRONMENTAL TESTS** non-explosive items (cont'd) **CLIMATIC** (cont'd) Max temp: +180°C Max chamber size: 1.0 m x 1.0 m x 1.0 m Max temp: +200°C Ma x Chamber Size 0.5 m x 0.6 m x 0.8 m Max Temp +71°C Max chamber size: 2.7 m x 2.7 m x 2.7m <u>Low Temperature</u> - Steady State and Cyclic Min temp: -70°C Max chamber size: 1.0 m x 1.0 m x 1.0 m Min temp: -40°C Max chamber size: 1 m x 1.2 m x 1.9 m Min temp: -5°C Max chamber size: 2 m x 1.6 m x 2.2 m	 EURO CAE ED-14G, sections 4 & 5 BS 7987:2001 TR2130B:May 1993: Section 3.1 TR2130C, Feb 2002 : Section 3.2 TR2130E:Aug 2014: Section 6 EN ISO 13628-6:2006 DEF STAN 08-123 (NES 1004) Issue 1:April 2000 DEF STAN 08-123 (NES 1004) Issue 2:Nov 2012 Data Sheet 9 BS EN 60068-2-14:2023 Test N BS EN 60068-2-14:2009 Test Nb BS EN 60945:2002, Test 8.2 ISO 16750-4:2010 ISO 16750-4:2023 BS 2011:Part 2.1A:1990 MIL-STD-810H CN1 Method 502.7 MIL-STD-810H, Method 502.7 MIL-STD-810G, Method 502.5 MIL-STD-810G:CN1 Method 502.6 MIL-STD-810F, Method 502.4 MIL-STD-810E, Method 502.3 MIL-STD-810D, Method 502.2 RTCA DO-160D, Sections 4 & 5 RTCA DO-160E, Sections 4 & 5 RTCA DO-160F, Sections 4 & 5 RTCA DO-160G, Sections 4 & 5 EURO CAE ED-14G, sections 4 & 5 DEF STAN 00-35 (Part 3) Issue 4 Test CL5 DEF STAN 00-035 (Part 3) Issue 5 Test CL5 DEF STAN 00-035 (Part 3) Issue 6 Test CL5 DEF STAN 00-035 (Part 3) Issue 7 Test CL5

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
As listed on Page 1	**ENVIRONMENTAL TESTS** non-explosive items (cont'd) **CLIMATIC** (cont'd)	
	Min temp: -65°C Max chamber size: 2.0 m x 2.0 m x 2.0 m Min temp: -25°C Max chamber size: 2.7 m x 2.7 m x 2.7m	TR2130C :Feb 2002 Section 3.3 TR2130E:Aug 2014 Section 6 TR2130B: May 1993 Section 3.2 DEF STAN 08-123 (NES 1004) Issue 1 April 2000 DEF STAN 08-123 (NES 1004) Issue 2 Nov 2012 Data Sheet 9 DEF STAN)8-123 Issue 3 July 2023 Data sheet 9 BS EN 60068-2-14:2023 Test N BS EN 60068-2-14 :2009 Test Nb BS EN 60068-2-1:2007 **BS EN 60068-2-1:2025** IEC 68-2-1:1990 DEF STAN 00-35 (Part 3) Issue 3 Tests CL4, CL5 BS EN 60945 :2002, Test 8.4 BS 7987:2001 ISO 16750-4:2010 ISO 16750-4:2023 EN ISO 13628-6:2006 BS EN 50155:2021
	<u>Icing</u> Max Chamber Size: 2.7m x 2.7m x 2.7m	MIL STD 810F/G/H Method 521 RTCA DO-160G sect 24 Cat C DEF STAN 00-035 CL10 Part 3 Issue 4, 5 & 6 BS EN 60068-2-14:2023 Test Na
	<u>Thermal Shock</u> - Automated Transfer Max temp: +200°C Min temp: -70°C Max size: 0.46 m x 0.35 m x 0.6 m	BS EN 60068-2-14:2009 Test Na IEC 68-2-14:1999 Test Na MIL STD 810H CN1 Method 503.7 MIL-STD-810H Method 503.7 MIL-STD-810G CN1, Method 503.6 MIL-STD-810G, Method 503.5 MIL-STD-810F, Method 503.4 MIL-STD-810E, Method 503.3 MIL-STD-810D, Method 503.2 TR2130 iss B: May 1993: Section 3.3 TR2130C, Feb 2002, Section 3.4 ISO 16750-4 :2010 ISO 16750-4 :2023 BS EN 50155:2021

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
As listed on Page 1	**ENVIRONMENTAL TESTS** non-explosive items (cont'd) **CLIMATIC** (cont'd) <u>Thermal Cycling</u>	RTCA DO-160 D, Section 5 RTCA DO-160 E, Section 5 RTCA DO-160 F, Section 5 RTCA DO-160 G, Section 5 EURO CAE ED-14G, section 5 BS EN 60068-2-14:2023 Test Nb BS EN 60068-2-14:2009 Test Nb IEC 68-2-14:1999 Test Nb ISO 16750-4 :2010 ISO 16750-4 :2023 EN ISO 13628-6:2006 BS 2011:Ca:1977
	<u>High/Low Temperature & Humidity</u> - Steady State and Cyclic	IEC 68-2-3:1969 IEC 68-2-56:1988 BS EN 60068-2-78:Cab:2002,2013 BS EN 60068-2-78:2025 (Test Cab: Damp heat, steady state)
	Temp range: -70°C to +180°C Humidity range: 15-98% RH Max chamber size: 1.0 m x 1.0 m x 1.0 m	BS EN 60068-2-30:1999 BS EN 60068-2-30:2005 BS EN 60068-2-30:2025 Test Db: IEC 68-2-30:1980 (Amd 1, 1985) BS EN 60068-2-38:2021 BS EN 60068-2-38:2009 IEC 68-2-38:1974 MIL-STD-810H CN1 Method 507.6
	Temp range: -65°C to +150°C Humidity range: 15-98% RH Max chamber size: 2.0m x 2.0m x 2.0m	MIL-STD-810H, Method 507.6 MIL-STD-810G, Method 507.5 MIL-STD-810G:CN1 Method 507.6 MIL-STD-810F, Method 507.4

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
As listed on Page 1	**ENVIRONMENTAL TESTS** non-explosive items (cont'd) **CLIMATIC** (cont'd) <u>High/Low Temperature & Humidity</u> - Steady State and Cyclic (cont'd)	 MIL-STD-810E, Method 507.3 MIL-STD-810D, Method 507.2 BS EN 50155:2021 DEF STAN 00-35 (Part 3) Issue 3 Test CL7 DEF STAN 00-35 (Part 3) Issue 4 Test CL6 DEF STAN 00-035 (Part 3) Issue 5 DEF STAN 00-35 (Part 3) Issue 6 Test CL6 DEF STAN 00-35 (Part 3) Issue 7 Test CL6 DEF STAN 00-035 (Part 3) Issue 711 TR2130B: May 1993:Section 3.4 TR2130C : Feb 2002, Section 3.5 TR2130E:Aug 2014 Section 6 DEF STAN 08-123 (NES 1004) Issue 1:April 2000 DEF STAN 08-123 (NES 1004) Issue 2 Nov 2012 Data Sheet 9 DEF STAN 08-123 Issue 3 July 2023 Data sheet 9 BS EN 60945:2002, Test 8.3 BS 7987:2001 ISO 16750-4:2010 ISO 16750-4:2023
	<u>Low Air Pressure</u> (altitude) Max chamber size: 1.0 m x 1.0 m x 1.0 m Max altitude: 100 000 ft	 BS EN 60068-2-13:2021 Test M BS EN 60068-2-13:M:1999 RTCA/DO-160D, Section 4 RTCA/DO-160E, Section 4 RTCA/DO-160F, Section 4 RTCA/DO-160G, Section 4 EURO CAE ED-14G, section 4 DEF STAN 00-35 (Part 3) Issue 4 Test CL21, Procedures A, B & C DEF STAN 00-035 (Part 3) Issue 5 Test CL11 DEF STAN 00-035 (Part 3) Issue 6 Test CL11

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
As listed on Page 1	**ENVIRONMENTAL TESTS** non-explosive items (cont'd) **CLIMATIC** (cont'd)	
	Low Air Pressure (altitude) (cont'd)	MIL-STD 810F, Method 500.4 MIL-STD 810G, Method 500.5 MIL-STD-810G:CN1 Method 500.6 MIL-STD 810H, Method 500.6 MIL-STD-810H CN1 Method 500.6
	Dry Heat & Low Air Pressure (altitude)	BS EN 60068-2-41:Z/BM:2000 RTCA DO-160D, Section 4 RTCA DO-160E, Section 4 RTCA DO-160F, Section 4 RTCA/DO-160G, Section 4 EURO CAE ED-14G, section 4 DEF STAN 00-35 (Part 3) Issue 4 Test CL11 Procedure A DEF STAN 00-035 (Part 3) Issue 5 Test CL11 DEF STAN 00-035 (Part 3) Issue 6 Test CL11
	Low Temperature & Low Air Pressure (altitude)	RTCA DO-160D, Section 4 RTCA DO-160E, Section 4 RTCA DO-160F, Section 4 RTCA/DO-160G, Section 4 EURO CAE ED-14G, section 4 MIL-STD 810F, Method 500.4 MIL-STD 810G, Method 500.5 MIL-STD-810G:CN1 Method 500.6 MIL-STD-810H, Method 500.6 MIL-STD-810H CN1 Method 500.6 BS EN 60068-2-40:2000:Z/AM DEF STAN 00-35: (Part 3) Issue 4 Test CL12 DEF STAN 00-035: (Part 3) Issue 5 Test CL11 DEF STAN 00-035 (Part 3) Issue 6 Test CL11
	Icing (Combined Altitude/ Temperature/ Humidity) Max Chamber Size: 1m x 1m x 1m	RTCA DO 160G, Section 24 EURO CAE ED-14G, Section 24

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
As listed on Page 1	**ENVIRONMENTAL TESTS** non-explosive items (cont'd) **CLIMATIC** (cont'd) <u>Ingress Protection Tests Solids (Probes and dust)</u> IP1X Protected against solid objects greater than 50 mm dia IP2X Protected against solid objects greater than 12.5 mm dia IP3X Protected against solid objects greater than 2.5 mm dia IP4X Protected against solid objects greater than 1.0 mm dia IP5X Dust Protected IP6X Dust Tight <u>Ingress Protection Tests (Water)</u> IPX2 Protected against dripping water when tilted up to 15° IPX3 Protected against spraying water IPX4 Protection against splashing water IPX5 Protected against water jets IPX6 Protected against powerful water jets IPX7 Protected against the effects of immersion IPX8 Protected against the effects of submersion IPX9 and IPX9K Protection against effects of high pressure and water pressure Chamber:4.5 m x 2.3 m x 2.5 m	 BS EN 60529:1992+A2:2013 BS EN 60529:1992 (2000) EN 60529:1991 TR2130E:Aug 2014 Section 6 BS EN 60598 -1: 2021 BS EN 60598 -1: 2015 BS EN 60598 -1: 2008 ISO 20653:2013 ISO 20653:2006 BS 7987:2001 BS EN 60529:1992+A2:2013 BS EN 60529:1992 (2000) EN 60529:1991 EN 60598-1:2021 EN 60598-1:2015 EN 60598-1:2008 DIN 40050 Part 9:May 1993 TR 2130B:1993 TR 2130C:2002 TR2130E:Aug 2014 Section 6 BS EN 60068-2-18:2001 BS 7987:2001 DEF STAN 00-35 (Part 3) Issue 4 Test CL29, Procedures A and B DEF STAN 00-035 (Part 3) Issue 5 Test CL29 DEF STAN 00-035 (Part 3) Issue 6 Test CL29 DEF STAN 00-035 (Part 3) Issue 7 Test CL29 ISO 20653:2006 ISO 20653:2013 MIL STD 810H CN1 Method 512.6 Procedure 1 ISO 20653:2013 Section 6 BS EN 60529:1992+A2:2013

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
As listed on Page 1	**ENVIRONMENTAL TESTS** non-explosive items (cont'd) **CLIMATIC** (cont'd) <u>Rain & Spray</u> Chamber size : H 4.5 m x W 2.3 m x H 2.5 m Driving Rain Condensing Water Drip Proof Test Spray Proof Test <u>Salt Spray</u> Chamber size: W 1650 mm D 540 mm H 740 mm	 BS EN 60945:2002, Test 8.8 TR2130B:May 1993 section 3 TR2130E:Aug 2014 Section 6 DEF STAN 00-35:Iss 4, Test CL27 RTCA DO-160G/EUROCAE ED14G Section 10.3.1 – 10.3.3 MIL-STD 810D, Method 509.2 MIL-STD 810E, Method 509.3 MIL-STD 810F, Method 509.4 MIL-STD 810G, Method 509.5 MIL-STD-810G:CN1 Method 509.6 MIL-STD-810H, Method 509.7 MIL-STD-810H CN1 Method 509.8 BS EN 60068-2-11:2021 EN 60068-2-11:1999 Ka IEC 60068-2-11:1981 Ka BS EN IEC 60068-2-52:1996 Kb BS EN 60068-2-52:2018 Kb ASTM B117-19 ASTM-B117-16 ASTM-B117-11 RTCA DO-160D, Section 14 RTCA DO-160E, Section 14 RTCA DO-160F, Section 14 RTCA DO-160G, Section 14 EURO CAE ED-14G, section 14 DEF STAN 00-35 (Part 3) issue 4 Test CN2 DEF STAN 00-035 (Part 3) issue 5 Test CN2 DEF STAN 00-035 (Part 3) Issue 6 Test CN2 DEF STAN 00-035 (Part 3) Issue 7 Test CN2 BS EN 60945:2002, Test 8.12 ISO 16750-4:2006 ISO 16750-4 :2023 TR2130E:Aug 2014 Section 7 BS EN 50155:2021

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
As listed on Page 1	**ENVIRONMENTAL TESTS** non-explosive items (cont'd) **DYNAMIC** **Single Parameters** <u>VIBRATION - Sinusoidal</u> (ambient temperature) Freq range: 3 to 2400 Hz Max load: 1500 kg Max pk-pk displacement: 63.5 mm Max item height: 3.0 m <u>VIBRATION – Random</u> <u>Sine on Random</u> <u>Random on Random</u> (ambient temperature) Freq range: 3 to 2400 Hz Max load: 1500 kg Max pk-pk displacement: 63.5 mm Max item height: 3.0 m	DEF STAN 00-35 (Part 3) Issue 3 Test M1:1990 DEF STAN 00-35 (Part 3) Issue 4 Test M1 DEF STAN 00-035 (Part 3) Issue 5 Test M1 DEF STAN 00-035 (Part 3) Issue 6 Test M1 MIL STD 810H CN1, Method 514.8 MIL STD 810H, Method 514.8 MIL-STD 810G, Method 514.6 MIL-STD-810G:CN1 Method 514.7 MIL-STD 810F:Method 514:1998 MIL-STD 810E:Method 514:1989 MIL-STD 810D:Method 514:1991 BS EN 60945:2002, Test 8.7 MIL-STD 167-1A:2005, Test 5.1, Type 1 RTCA DO-160D, Section 8 RTCA DO-160E, Section 8 RTCA DO-160F, Section 8 RTCA DO-160G, Section 8 EURO CAE ED-14G, section 8 DEF STAN 08-123 (NES 1004) Issue 1:April 2000 DEF STAN 08-123 (NES 1004) Issue 2 Nov 2012 Data Sheet 25 DEF STAN 08-123 Issue 3 July 2023 Data sheet 25 TR2130B:May 1993: Section 3.12 TR2130E:Aug 2014 Section 5 BS ISO 16750-3:2012 BS ISO 16750-3:2023 EN ISO 13628-6:2006 BS EN 60068-2-64:1995 BS EN 60068-2-64:2008 + A1:2019 BS EN 61373 :2010 DEF STAN 00-35 (Part 3) Issue 3 Test M1:1990

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
As listed on Page 1	**ENVIRONMENTAL TESTS** non-explosive items (cont'd) **DYNAMIC** (cont'd) **Single Parameters** (cont'd) VIBRATION - Random (cont'd)	DEF STAN 00-35 (Part 3) Issue 4 Test M1 DEF STAN 00-35 (Part 3) Issue 7 Test M1 DEF STAN 00-035 (Part 3) Issue 5 Test M1 DEF STAN 00-035 (Part 3) Issue 6 Test M1 MIL-STD-810H CN1 Method 514.8 MIL-STD 810H, Method 514.8 MIL-STD 810G, Method 514.6 MIL-STD-810G:CN1 Method 514.7 MIL-STD 810 F:Method 514:1998 MIL-STD 810 E:Method 514:1989 MIL-STD 810 D:Method 514:1991 BS 2011:Part 2.1:Fc:1973 (1983) BS 2011:Part 2.1:Fd:1973 (1983) BS 2011:Part 2.1:Fda:1973 (1983) BS 2011:Part 2.1:Fdb:1973 (1983) BS 2011:Part 2.1:Fdc:1973 (1983) RTCA DO-160D, Section 8 RTCA DO-160E, Section 8 RTCA DO-160F, Section 8 RTCA DO-160G, Section 8 EURO CAE ED-14G, section 8 DEF STAN 08-123 (NES 1004) Issue 1: April 2000 DEF STAN 08-123 (NES 1004) Issue 2:Nov 2012 Data Sheet 25 DEF STAN 08-123 Issue 3 July 2023 Data sheet 25 TR2130B May 1993:S 3.11 & 3.14 TR2130C Feb 2002 Section 5.2-5.4 TR2130E:Aug 2014 Section 5 BS EN 50155 :2021 BS EN 50155 :2017 BS EN 50155 :2007 BS EN 50125-3:2003 Section4.13.1 BS EN 50125-3:2003 (Cor 2010) Section4.13.1 BS EN 61373:1999 Section 8 BS EN 61373: 2010 Section 8 BS 7987:2001

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
As listed on Page 1	**ENVIRONMENTAL TESTS** non-explosive items (cont'd) **DYNAMIC** (cont'd) **Single Parameters** (cont'd) Vibration (with change of temperature) Freq range: 3 to 2000 Hz Max Load: - Vertical: 600 kg - Horizontal: 600 kg Max pk-pk displacement: 63.5 mm Max temperature: +170°C Min temperature: -70°C Max chamber size: 0.85 m x 0.85 m x 0.85 m <u>BUMP</u> (ambient temperature) Max item mass: 1500 kg Max item height: 3.0 m Max severity: 100 g Pulse duration: 1-30 ms	 MIL STD 810H Method 512.6 MIL STD 810H CN1 Method 512.6 MIL-STD-810H CN1 Method 514.8 MIL-STD-810H, Method 514.8 MIL-STD 810G, Method 514.6 MIL-STD-810G:CN1 Method 514.7 MIL-STD 810F:2001 BS EN 60068-2-6:2008 BS EN 60068-2-50 :2000 BS EN 60068-2-51 : 2000 BS EN 60068-2-53 : 2010 BS 2011:Part 2.2, 2/AFC and Z/BFC BS EN 60068-2-80 2005, Test Fi DEF STAN 00-35 (Part 3) Issue 3 Test M12:1986 DEF STAN 00-35 (Part 3) Issue 4 Test M12 DEF STAN 00-035 (Part 3) Issue 5 Test M12 DEF STAN 00-035 (Part 3) Issue 6 Test M12 DEF STAN 00-035 (Part 3) Issue 7 Test M12 BS 2011:Part 2.1:Eb:1987 BS EN 60068-2-29:1993 BS EN 60068-2-27:2009 TR2130 iss B:May 1993: Section 3.10 TR2130C, Feb 2002, Section 5.7 - 5.9 TR2130E:Aug 2014 Section 5 BS ISO 16750-3:2012 BS ISO 16750-3:2023

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
As listed on Page 1	**ENVIRONMENTAL TESTS** non-explosive items (cont'd) **DYNAMIC** (cont'd) **Single Parameters** (cont'd) <u>SHOCK</u> - All classical shock pulse shapes, inc half sine, rectangular, trapezoidal and sawtooth, plus synthesized shock and bump signatures duplicating measured conditions (ambient temperature) Max item mass: 1500 kg Max severity: 100 g Max item height: 3.0 m Max temperature: +170°C Min temperature: -70°C using in-house Procedure	DEF STAN 00-35 (Part 3) Issue 3 Tests M3 & M6 DEF STAN 00-35 (Part 3 Issue 4 Tests M3 & M6 DEF STAN 00-035 (Part 3) Issue 5 Tests M3 & M6 DEF Stan 00-035 (pART 3) Issue 6 Tests M3 & M6 MIL-STD-810H CN1, Method 516.8 MIL-STD 810H, Method 516.8 MIL-STD 810G, Method 516.6 MIL-STD-810G:CN1 Method 516.7 MIL-STD 810F:Method 516:1998 MIL-STD 810E:Method 516:1989 MIL-STD 810D:Method 516:1991 BS 2011:Part 2.1:Ea:1988 BS EN 60068-2-27:2009 BS EN 60068-2-27:1993 BS EN 61373:2010 BS EN 60068-2-81:2003 BS EN 50155:2021 Cat 1 & 2 DEF STAN 08-123 (NES 1004) Issue 1:April 2000: DEF STAN 08-123 (NES 1004) Issue 2:Nov 2012 Data Sheet 28 DEF STAN 08-123 **Issue 3 July 2023 Data sheet 28** TR2130E:Aug 2014 Section 5 RTCA/DO-160D, Section 7 RTCA/DO-160E, Section 7 RTCA/DO-160F, Section 7 RTCA/DO-160G, Section 7 EURO CAE ED-14G, section 7 PARC OP20 Rev 14 BS ISO 16750-3:2012 BS ISO 16750-3:2023 EN ISO 13628-6:2006

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
As listed on Page 1	**ENVIRONMENTAL TESTS** non-explosive items (cont'd) **DYNAMIC** (cont'd) **Single Parameters** (cont'd) <u>HIGH IMPACT SHOCK AND BUMP</u> Max shock: 1500g Max mass of test item : 13kg <u>IMPACT</u> <u>IK04-07</u> Striking Elements 0.5, 0.7, 1, 2 Joules <u>IK07-10</u> Striking Elements 2, 5, 10, 20 Joules <u>IK11</u> <u>Striking Element</u> 50 Joules <u>DROP & TOPPLE</u>	BS EN 60068-2-27:2009 DEF STAN 00-35 (Part 3) Issue 4 DEF STAN 00-035 (Part 3) Issue 5 DEF STAN 00-035 (Part 3) Issue 6 DEF STAN 00-035 (part 3) Issue 7 M3 and M5 MIL-STD-810G:CN1, Method 516 MIL-STD-810H, CN1 Method 516 MIL-STD 810H, Method 516 BS EN 60068-2-75:2014 Tests Ehb and Ehc **BS EN 60068-2-75 :2014+A1:2025** BS EN 62262:2002+A1 2021 TR2130E:Aug 2014 Section 5 BS EN 60068-2-31: Ec:2008 DEF STAN 00-035: Part 3b issue 4 Test M4&M5 DEF STAN 00-035: Part 3b issue 5 Test M4&M5 DEF STAN 00-035: Part 3 issue 6 Test M4 MIL-STD 810D:Method 516.3 MIL-STD 810E:Method 516.4 MIL-STD 810F:Method 516.5 MIL-STD 810G, Method 516.6 MIL-STD-810G:CN1 Method 516.7 MIL-STD-810H Method 516.8 MIL-STD 810H CN1 Method 516.8 TR2130E:Aug 2014 Section 5

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
As listed on Page 1	**ENVIRONMENTAL TESTS** non-explosive items (cont'd) **DYNAMIC** (cont'd) **Single Parameters** (cont'd) <u>FREE FALL</u> Max drop ht: 2.5 m Max item mass: 250 kg	BS EN 60068-2-32:Ed:1993 BS EN 60068-2-31:Ec:2008 MIL-STD 810D Method 516.3:1986 MIL-STD 810E Method 516.4:1990 MIL-STD 810F Method 516.5:2000 MIL-STD 810G Method 516.6 MIL-STD-810G:CN1 Method 516.7 MIL-STD-810H Method 516.8 MIL-STD-810H CN1 Method 516.8 BS ISO 16750-3:2012 BS ISO 16750-3:2023
END		