

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 <p>2379</p> <p>Accredited to ISO/IEC 17025:2017</p>	<p>PARC Ltd</p> <p>Issue No: 030 Issue date: 04 March 2021</p>	
	<p>Product Assessment & Reliability Centre Ltd</p> <p>Unit 4</p> <p>Alverdiscott Industrial Estate</p> <p>Bideford</p> <p>Devon</p> <p>EX39 4LQ</p>	<p>Contact: Mr Richard Tabor</p> <p>Tel: +44 (0)1237 421255</p> <p>E-Mail: info@parctest.co.uk</p> <p>Website: www.parctest.co.uk</p>
<p>Testing performed at the above address only</p>		

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:	ENVIRONMENTAL TESTS (non-explosive items)	
Aerospace Structures, Materials and Equipment	CLIMATIC	
Agricultural Equipment Computers and Peripherals	<u>High Temperature - Low Humidity</u> - Steady State and Cyclic	BS EN 60068-2-2:2007 Test B
Domestic Appliances		BS EN 60068-2-2:1993 Tests Ba, Bb
Electrical/Electronic Components, Connectors and Products	Max temp: +150°C Max chamber size:	IEC 68-2-2:1974
Electro-Mechanical Devices	2 m x 2 m x 2 m	Supp A:1976, Amd 1:1993
Loaded Containers		DEF STAN 00-35 (Part 3) Issue 3 Test CL1
Marine Equipment		DEF STAN 00-35 (Part 3) Issue 4 Test CL2
Mining Equipment		DEF STAN 00-035 (Part 3) Issue 5 Test CL2
Missile Sub-Assemblies and Components		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
Motor Vehicle Accessories and Components		
Office Equipment		RTCA DO-160D, Sections 4 & 5
Radar Equipment		RTCA DO-160E, Sections 4 & 5
Radio and Television Equipment		RTCA DO-160F, Sections 4 & 5



2379
Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

PARC Ltd

Issue No: 030 Issue date: 04 March 2021

Testing performed at main address only

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)	
Safety Appliances and Equipment	Max temp: +180°C Max chamber size:	EURO CAE ED-14G, sections 4 & 5
Satellites and Sub-Assemblies	1.0 m x 1.0 m x 1.0 m	TR2130B:May 1993: Section 3.1 TR2130C, Feb 2002 : Section 3.2 TR2130E:Aug 2014: Section 6
Security Devices and Alarms		DEF STAN 08-123 (NES 1004) Issue 1:April 2000
Telecommunications Equipment		DEF STAN 08-123 (NES 1004) Issue 2:Nov 2012 Data Sheet 9
Weapons and Sub-Assemblies		BS EN 60068-2-14:2009 Test Nb BS EN 60945:2002, Test 8.2
Rail and Rolling stock equipment And components	Max temp: +200°C Max chamber size:	BS 7987:2001
Sub-sea equipment & components	0.5 m x 0.6 m x 0.8 m	ISO 16750-4:2010 EN ISO 13628-6:2006
Medical devices and components	Max temp: +71°C Max chamber size:	
	2.7 m x 2.7 m x 2.7m	



2379
Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

PARC Ltd

Issue No: 030 Issue date: 04 March 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
As listed on Page 1	<p>ENVIRONMENTAL TESTS non-explosive items (cont'd)</p> <p>CLIMATIC (cont'd)</p> <p><u>Low Temperature</u> - Steady State and Cyclic</p> <p>Min temp: -70°C Max chamber size: 1.0 m x 1.0 m x 1.0 m</p> <p>Min temp: -40°C Max chamber size: 1 m x 1.2 m x 1.9 m</p> <p>Min temp: -5°C Max chamber size: 2 m x 1.6 m x 2.2 m</p> <p>Min temp: -65°C Max chamber size: 2.0 m x 2.0 m x 2.0 m</p> <p>Min temp: -25°C Max chamber size: 2.7 m x 2.7 m x 2.7m</p>	<p>BS 2011:Part 2.1A:1990 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 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 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 BS EN 60068-2-14 :2009 Test Nb BS EN 60068-2-1:2007 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 EN ISO 13628-6:2006</p>



2379
Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

PARC Ltd

Issue No: 030 Issue date: 04 March 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
As listed on Page 1	<p>ENVIRONMENTAL TESTS non-explosive items (cont'd)</p> <p>CLIMATIC (cont'd)</p> <p><u>Thermal Shock</u> - Automated Transfer</p> <p>Max temp: +200°C Min temp: -70°C Max size: 0.46 m x 0.35 m x 0.6 m</p>	<p>BS EN 60068-2-14:2009 Test Na IEC 68-2-14:1999 Test Na 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</p> <p>TR2130 iss B: May 1993: Section 3.3 TR2130C, Feb 2002, Section 3.4 ISO 16750-4 :2010</p>
	<p><u>Thermal Cycling</u></p> <p><u>High/Low Temperature & Humidity</u> - Steady State and Cyclic</p> <p>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</p> <p>Temp range: -65°C to +150°C Humidity range: 15-98% RH Max chamber size: 2.0m x 2.0m x 2.0m</p>	<p>RTCA DO-160 D, Section 5 RTCA DO-160 E, Section 5 RTCA DO-160 F, Section 5 EURO CAE ED-14G, section 5 BS EN 60068-2-14:2009 Test Nb IEC 68-2-14:1999 Test Nb ISO 16750-4 :2010 EN ISO 13628-6:2006 BS 2011:Ca:1977</p> <p>IEC 68-2-3:1969 IEC 68-2-56:1988 BS EN 60068-2-78: Cab:2002,2013 BS EN 60068-2-30:1999 BS EN 60068-2-30:2005 IEC 68-2-30:1980 (Amd 1, 1985) BS EN 60068-2-38:2009 IEC 68-2-38:1974 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 MIL-STD-810E, Method 507.3 MIL-STD-810D, Method 507.2</p>



2379
Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

PARC Ltd

Issue No: 030 Issue date: 04 March 2021

Testing performed at main address only

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)	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 Test CL6 RTCA DO-160D, Section 6 RTCA DO-160E, Section 6 RTCA DO-160F, Section 6 EURO CAE ED-14G, section 6 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 BS EN 60945:2002, Test 8.3 BS 7987:2001 ISO 16750-4:2010



2379
Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

PARC Ltd

Issue No: 030 Issue date: 04 March 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
As listed on Page 1	<p>ENVIRONMENTAL TESTS non-explosive items (cont'd)</p> <p>CLIMATIC (cont'd)</p> <p><u>Low Air Pressure (altitude)</u> Max chamber size: 1.0 m x 1.0 m x 1.0 m Max altitude: 100 000 ft</p> <p>Dry Heat & Low Air Pressure (altitude)</p> <p>Low Temperature & Low Air Pressure (altitude)</p> <p>Icing (Combined Altitude/ Temperature/ Humidity) Max Chamber Size: 1m x 1m x 1m</p>	<p>BS EN 60068-2-13:M:1999 RTCA/DO-160D, Section 4 RTCA/DO-160E, Section 4 RTCA/DO-160F, 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 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</p> <p>BS EN 60068-2-41:Z/BM:2000 RTCA DO-160D, Section 4 RTCA DO-160E, Section 4 RTCA DO-160F, 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 CL1</p> <p>RTCA DO-160D, Section 4 RTCA DO-160E, Section 4 RTCA DO-160F, 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 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</p> <p>RTCA DO 160G, Section 24 EURO CAE ED-14G, Section 24</p>



2379
Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

PARC Ltd

Issue No: 030 Issue date: 04 March 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
As listed on Page 1	<p>ENVIRONMENTAL TESTS (non-explosive items) (cont'd)</p> <p>CLIMATIC (cont'd)</p> <p><u>Ingress Protection Tests Solids (Probes and dust)</u></p> <p><u>IP1X</u> Protected against solid objects greater than 50 mm dia <u>IP2X</u> Protected against solid objects greater than 12.5 mm dia <u>IP3X</u> Protected against solid objects greater than 2.5 mm dia <u>IP4X</u> Protected against solid objects greater than 1.0 mm dia IP5X Dust Protected IP6X Dust Tight</p> <p><u>Ingress Protection Tests (Water)</u></p> <p>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</p> <p><u>IPX9 and IPX9K Protection against Effects of high pressure and water pressure</u> Chamber:4.5 m x 2.3 m x 2.5 m</p>	<p>BS EN 60529:1992+A2:2013 BS EN 60529:1992 (2000) EN 60529:1991 TR2130E:Aug 2014 Section 6 BS EN 60598 -1: 2015 BS EN 60598 -1: 2008 ISO 20653:2013 ISO 20653:2006 BS 7987:2001</p> <p>BS EN 60529:1992+A2:2013 BS EN 60529:1992 (2000) EN 60529:1991 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 ISO 20653:2006 ISO 20653:2013</p> <p>ISO 20653:2013 Section 6 BS EN 60529:1992+A2:2013</p>



2379
Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

PARC Ltd

Issue No: 030 Issue date: 04 March 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
As listed on Page 1	<p>ENVIRONMENTAL TESTS (non-explosive items) (cont'd)</p> <p>CLIMATIC (cont'd)</p> <p><u>Rain & Spray</u> Chamber size : H 4.5 m x W 2.3 m x H 2.5 m</p> <p>Driving Rain</p> <p>Condensing Water Drip Proof Test Spray Proof Test</p>	<p>BS EN 60945:2002, Test 8.8 TR2130B:May 1993 section 3 TR2130E:Aug 2014 Section 6</p> <p>DEF STAN 00-35:Iss 4, Test CL27</p> <p>RTCA DO-160G/EUROCAE ED14G Section 10.3.1 – 10.3.3</p>
	<p><u>Salt Spray</u> Chamber size: W 1650 mm D 540 mm H 740 mm</p>	<p>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 509.7 509.6EN 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 ASTM-B117-07a 12/02/2008 ASTM-B117-02 RTCA DO-160D, Section 14 RTCA DO-160E, Section 14 RTCA DO-160F, 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 BS EN 60945:2002, Test 8.12 ISO 16750-4:2006 TR2130E:Aug 2014 Section 6</p>



2379
Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

PARC Ltd

Issue No: 030 Issue date: 04 March 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
As listed on Page 1	<p>ENVIRONMENTAL TESTS (non-explosive items) (cont'd)</p> <p>DYNAMIC (cont'd) Single Parameters</p> <p><u>VIBRATION - Sinusoidal</u></p> <p>(ambient temperature) Freq range: 3 to 2400 Hz</p> <p>Max load: 1500 kg</p> <p>Max pk-pk displacement: 63.5 mm Max item height: 3.0 m</p>	<p>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 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 2011:Part 2.1:Fc:1973 (1983) BS EN 60068-2-6:2008 RTCA DO-160D, Section 8 RTCA DO-160E, Section 8 RTCA DO-160F, 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 TR2130B:May 1993: Section 3.12 TR2130E:Aug 2014 Section 5</p>
	<p><u>VIBRATION – Random</u> <u>Sine on Random</u> <u>Random on Random</u> (ambient temperature)</p> <p>Freq range: 3 to 2400 Hz Max load: 1500 kg Max pk-pk displacement: 63.5 mm Max item height: 3.0 m</p>	<p>BS EN 60945:2002, Test 8.7 MIL-STD 167-1A:2005, Test 5.1, Type 1 BS ISO 16750-3:2007 BS ISO 16750-3:2012 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 DEF STAN 00-35 (Part 3) Issue 4 Test M1 DEF STAN 00-035 (Part 3) Issue 5 Test M1</p>



2379
Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

PARC Ltd

Issue No: 030 Issue date: 04 March 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
As listed on Page 1	<p>ENVIRONMENTAL TESTS (non-explosive items) (cont'd)</p> <p>DYNAMIC (cont'd)</p> <p>Vibration Random (Cont'd)</p>	<p>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: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 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 TR2130B May 1993: Sections 3.11 & 3.14 TR2130C Feb 2002 Section 5.2-5.4 TR2130E:Aug 2014 Section 5 BS EN 50155 :2007 Section12.2.11 BS EN 50155 :2011 Section13.4.11 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</p>
	<p>Vibration (with change of temperature)</p> <p>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</p>	<p>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 60068-2-50 BS EN 60068-2-51 BS EN 60068-2-53 BS 2011:Part 2.2, 2/AFC and Z/BFC BS EN 60068-2-80 2005, Test Fi</p>



2379
Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

PARC Ltd

Issue No: 030 Issue date: 04 March 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
As listed on Page 1	<p>ENVIRONMENTAL TESTS (non-explosive items) (cont'd)</p> <p>DYNAMIC (cont'd)</p> <p>BUMP (ambient temperature)</p> <p>Max item mass: 1500 kg Max item height: 3.0 m Max severity: 100 g Pulse duration: 1-30 ms</p> <p>SHOCK - All classical shock pulse shapes, inc half sine, rectangular, trapezoidal and sawtooth, plus synthesized shock and bump signatures duplicating measured conditions</p> <p>(ambient temperature)</p> <p>Max item mass: 1500 kg Max severity: 100 g Max item height: 3.0 m</p>	<p>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 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 16750-3:2007 BS ISO 16750-3:2012</p> <p>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 & M5 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</p>



2379
Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

PARC Ltd

Issue No: 030 Issue date: 04 March 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
As listed on Page 1	<p>ENVIRONMENTAL TESTS (non-explosive items) (cont'd)</p> <p>DYNAMIC (cont'd)</p> <p>Single Parameters (cont'd)</p> <p>Max temperature: +170°C</p> <p>Min temperature: -70°C using in-house Procedure</p> <p><u>HIGH IMPACT SHOCK AND BUMP</u></p> <p>Max shock: 2100g Duration : 0.8ms Max mass of test item : 13kg</p> <p><u>IMPACT</u></p> <p><u>IK04-07</u> Striking Elements 0.5, 0.7, 1, 2 joule</p> <p><u>IK07-10</u> Striking Elements 2, 5, 10, 20 joule</p> <p><u>DROP & TOPPLE</u></p>	<p>DEF STAN 08-123 (NES 1004) Issue 1:April 2000: DEF STAN 08-123 (NES 1004) Issue 2:Nov 2012 Data Sheet 28 TR2130E:Aug 2014 Section 5 RTCA/DO-160D, Section 7 RTCA/DO-160E, Section 7 RTCA/DO-160F, Section 7 EURO CAE ED-14G, section 7 PARC OP20 Rev 6, 01/09/2015 PARC OP20 Rev 8, 01/09/2017 PARC OP20 Rev 9, 28/08/2018 BS ISO 16750-3:2007 BS ISO 16750-3:2012 EN ISO 13628-6:2006</p> <p>BS EN60068-2-27:2007 DEF STAN 00-35 (Part 3) Issue 4 DEF STAN 00-035 (Part 3) Issue 5 MIL-STD-810G:CN1, Method 516 MIL-STD-810H, Method 516</p> <p>BS EN 60068-2-75:2014 Tests Ehb and Ehc</p> <p>BS EN 62262:2002 TR2130E:Aug 2014 Section 5</p> <p>BS EN 60068-2-31: Ec:2008 DEF STAN 00-35: Part 3 issue 4 Test M4 DEF STAN 00-035: Part 3 issue 5 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 TR2130E:Aug 2014 Section 5</p>



2379
Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

PARC Ltd

Issue No: 030 Issue date: 04 March 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
As listed on Page 1	<p>ENVIRONMENTAL TESTS (non-explosive items) (cont'd)</p> <p>DYNAMIC (cont'd)</p> <p><u>FREE FALL</u> Max drop ht: 2.5 m Max item mass: 250 kg</p> <p>Highly Accelerated Life Testing (HALT) (Using Screening Systems Incorporated QRS-410T CE <u>HALT System</u>)</p> <p>Analysed frequency range: 10 Hz to 2 kHz</p> <p>Max item mass: 40 kg</p> <p>Max item size: 610 mm x 520 mm x 350 mm</p> <p>Temperature range: -60 °C to +150 °C Max rate of change: 60 °C/min</p>	<p>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 BS ISO 16750-3:2007 BS ISO 16750-3:2012</p> <p>Documented In House Procedures: OP30:Rev 7: Oct 2015 OP30:Rev 11: 28/08/2018</p>
END		