

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK



0093

Accredited to
ISO/IEC 17025:2005

EADS Astrium Ltd

Issue No: 021 Issue date: 01 May 2012

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Testing performed at the above address only

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
ELECTRONIC COMPONENTS AIRCRAFT EQUIPMENT	ENVIRONMENTAL TESTS (non-explosive items)	
SPACECRAFT/UNITS/ SUB-ASSEMBLIES	CLIMATIC - Single Parameters	
COMMUNICATIONS EQUIPMENT	HIGH TEMPERATURE Max temp: +150°C Max chamber size: 4.8 m x 3.8 m x 3.6 m	BS EN 60068-2-2:1993 IEC 68-2-2:1974(1994) DEF STAN 07-55:1983 Tests B1 and B2 (plus Amdt 4)
UNDERWATER DEVICES		
WEAPONS SYSTEMS	LOW TEMPERATURE MIN TEMP: -140°C Max chamber size: 4.8 m x 3.8 m x 3.6 m	MIL-STD 810E:1989 (plus Notice 2) 1993 Method 501.3
RAIL AND AUTOMOTIVE COMPONENTS		
SPACECRAFT COMPONENTS AND UNITS	MIN TEMP: -180°C Max chamber size: 0.9 m x 0.6 m x 0.6 m	BS EN 60068-2-1:1993 IEC 68-2-1:1990(1994) DEF STAN 07-55:1983 Tests B4 and B5 (plus Amdt 4)
		MIL-STD 810E:1989 (plus Notice 2) 1993 Method 502.3
	TEMPERATURE CHANGE	
RAIL AND AUTOMOTIVE COMPONENTS	HIGH HUMIDITY - steady state Temp range: 4°C to 100°C Humidity range: 15% rh to 100% rh Max chamber size: 1200 mm x 1200 mm x 1200 mm	BS 2011:Ca:1977(1987) IEC 68-2-3:1969 IEC 68-2-56:1988 DEF STAN 07-55:1983 Test B7



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<p>Continued from Page 1</p> <p>RAIL AND AUTOMOTIVE COMPONENTS (cont.)</p>	<p>TEMPERATURE CHANGE</p> <p>HIGH HUMIDITY - cyclic Temp range: 4°C to 100°C Humidity range: 15% rh to 100% rh Max chamber size: 1200 mm x 1200 mm x 1200 mm</p> <p>DYNAMIC Single Parameters</p> <p>VIBRATION - sinusoidal (ambient temperature) Freq range: 5 to 3000 Hz Peak thrust: 150 kN Max Pk/pk displacement: 25 mm Max load: 2 tonnes</p> <p>VIBRATION - random (ambient temperature) Freq range: 5 to 3000 Hz Peak thrust: 146 kN Max Pk/pk displacement: 25 mm Max load: 2 tonnes</p>	<p>BS 2011:Db:1981(1987) IEC 68-2-30:1980(1985) Test D6 DEF STAN 07-55:1983 Tests B6, B8 MIL-STD 202F:1980(1993) Method 106E MIL-STD 810D:1989 (plus Notice 2) BS 3G100:Part 2: Sub-Section 3.7:1983</p> <p>BS 2011:Fc:1983(1986) BS EN 60068-2-6:1996 IEC 68-2-6:1995 DEF STAN 07-55:1983 Test A1 MIL-STD 202F:1980(1990) Methods 201A, 204D MIL-STD 810E:1989 (plus Notice 2) 1993 Method 514.4 BS 3G100:Part 2: Sub-Section 3.1:1969(1983)</p> <p>BS EN 60068-2-64:1995 BS EN 60068-2-64:2008 Test Fh BS 2011:F:1973(1984) Tests Fd, Fda, Fdb, Fdc IEC 68-2-34:1973 IEC 68-2-35:1973 IEC 68-2-36:1973 IEC 68-2-37:1973 DEF STAN 07-55:1983 Test A2 MIL-STD 202F:1980(1993) Method 214A MIL-STD 810E:1989 (plus Notice 2) 1993 BS 3G100:Part 2: Sub-Section 3.1:1969(1988)</p>



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As listed on Page 1	<p>DYNAMIC Single Parameters (cont'd)</p> <p>SHOCK - Electrodynamic Vibrator (half sine, sawtooth and trapezoidal waveforms & SRS) Max severity: 100 g Max displacement: 25 mm (PK-PK) Max load: 2 Tonnes</p> <p>SHOCK – Resonant Plate Method (Analyzed primarily as a SRS but also as time histories) Freq. range: 10 to 10kHz Maximum Load: 50 kg Maximum SRS severity:- 10Hz to 1kHz – Variable 1 to 10kHz – 4000g 2 to 10kHz – 8000g</p> <p>DROP/TOPPLE Max item mass: 2 Tonnes</p> <p>ACCELERATION - Steady State Max accel: 60 g Max item mass: 45 kg</p>	<p>BS EN 60068-2-27:1993 IEC 68-2-27:1987(1993) DEF STAN 07-55:1983:Test A3 MIL STD 810E:1989 (Plus Notice 2) 1993 Method 516.4</p> <p>Documented In-House Procedure LDS 0529</p> <p>BS EN 60068-2-31:1993 IEC 68-2-31:1969(1982) DEF STAN 07-55:1983: Test A4</p> <p>BS EN 60068-2-7:1993 IEC 68-2-7:1983(1986) DEF STAN 07-55:1984: Test A6</p>
SPACECRAFT COMPONENTS AND UNITS	<p>HIGH VACUUM (High/low temperature) Max temp: +150°C Min temp: -190°C Max vacuum: 5E-6 mbar Max size: 2.2 m x 2.2 m Dia</p>	<p>Documented In-House Procedure CDSP-DG033-INE, Issue 1</p>
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