


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>0047</b></p> <p>Accredited to <b>ISO/IEC 17025:2005</b></p>	<h3>BAE SYSTEMS (Operations) Limited</h3> <p>Issue No: 036    Issue date: 21 September 2009</p>	
	<p><b>Product Development and Qualification</b></p> <p><b>Airport Works</b></p> <p><b>Rochester</b></p> <p><b>Kent</b></p> <p><b>ME1 2XX</b></p>	<p><b>Contact: Mr P J Davison</b></p> <p><b>Tel: +44 (0)1634 204457</b></p> <p><b>Fax: +44 (0)1634 203647</b></p> <p><b>E-Mail: paul.j.davison@baesystems.com</b></p> <p><b>Website:</b></p>
<p><b>Testing performed at the above address only</b></p>		

### DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Aerospace Equipment Aerospace Materials Aerospace Structures Cells and Batteries Circuit Breakers and Switches Coatings: Metallic Computers and Peripherals Domestic Appliances: Electrical Electrical Cables Electrical/Electronic Components Electrical/Electronic Connectors Electrical/Electronic Products Electro-mechanical Devices Enclosures for Electrical Equipment Engine Components Fans Fire Prevention and Detection Equipment Gas Detectors: Electronic Generators: Electrical Generators: Power Instruments for Measuring Vehicle Instruments - Indicating, Recording Luminaires Magnetic Materials Marine Equipment Measuring Equipment Medical/Dental Equipment Microelectronic Circuits and Components Mining Equipment Components Missile Components Missiles: Guided Missiles: Unguided	<p><b>1 EMC TESTING</b></p> <p>1.1 Conducted Emissions  20 Hz to 10 GHz  including exported spikes and transients</p>	BAe-WAS-SP-TOR-EMC-034, Issue 1 BS2G100:Part 2:Section 2, 1962 to 1972 BS3G100:Part 4:Section 2, 1980 Boeing D6-16050, Rev A to D, 1986 Boeing D6-16050-2, Rev A DEF-STAN 59-41:Parts 1 to 4, 10 June 1988 DEF-STAN 59-41:Part 3:Issue 4: 9 July 1993 DEF STAN 59-41:Part 3:Issue 5 Supplements A, B and C DEF STAN 59-41:Part 3:Issue 1, 16 May 2003, Clauses 9.1, 9.2 and 9.3 DEF STAN 59-411:Part 3, Issue 1, Amendment 1:31 January 2008 Annex A, DCE02.A Except: Man Worn Annex B, DCE01.B, DCE02.B and DCE03.B DG Ships 250A:1977 DG Ships 250B:June 1981 MVEE 595:1975 NWS 3:A/L 1:1981 Panavia SP-P-90003, Issue 3 RRE 6405:Issue 1:1974 except: RCE 08 to 11 RTCA DO-160, Feb 1975, Section 21.0 RTCA DO-160 A, B, C, D, E, F Section 21.0



0047

Accredited to  
ISO/IEC 17025:2005

**Schedule of Accreditation**  
issued by  
**United Kingdom Accreditation Service**  
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

**BAE SYSTEMS (Operations) Limited**  
**Issue No: 036 Issue date: 21 September 2009**

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Continued from Page 1  Motor Vehicle Accessories and Components Motor Vehicles Motors and Generators, Electrical Office Equipment, Electrical Plugs and Sockets Security Devices and Alarms Sonar Equipment Switchboards: Electrical Telecommunications Equipment Toys	<b>1 EMC TESTING (cont'd)</b>  1.1 Conducted Emissions 20 Hz to 10 GHz including exported spikes and transients (cont'd)	SPE-J-000-E-1000, Issue 1, February 1991 TS 1400:1969 TS 1527:Issue 2:1976 except: PST2 TS 1757:Issue 2:1979 Westland EH101, EA98Q010J, Issues 2 and 3 MIL-STD-461A, Notices 1 to 6 MIL-STD-461B MIL-STD-461C, Notices 1 and 2 MIL-STD-461D MIL-STD-461E
	1.2 Radiated Emissions 20 Hz to 40 GHz	BAe-WAS-SP-TOR-EMC-034, Issue: 1 BS2G100:Part 2:Section 2, 1962 to 1972 BS3G100:Part 4:Section 2, 1980 95/54/EC, Annex IV (Pre-compliance in screened room) 95/54/EC, Annex V (Pre-compliance in screened room) Boeing D6-16050, Rev A to D, 1986 Boeing D6-16050-2, Rev A DEF-STAN 59-41:Parts 1 to 4, 10 June 1988 DEF-STAN 59-41:Part 3:Issue 4: 9 July 1993 DEF STAN 59-41:Part 3:Issue 5, Supplements D and E DEF STAN 59-41:Part 3:Issue 1, 16 May 2003, Clauses 9.14, 9.15 DEF STAN 59-411:Part 3, Issue: 1, Amendment 1: 31 January 2008 Annex A, DRE01.A and DRE02.A Except: Man Worn Annex B, DRE01.B, DRE02.B DG Ships 250A:1977 DG Ships 250B:June 1981 MVEE 595:1975 NWS 3:A/L 1:1981



0047  
Accredited to  
ISO/IEC 17025:2005

**Schedule of Accreditation**  
issued by  
**United Kingdom Accreditation Service**  
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

**BAE SYSTEMS (Operations) Limited**  
**Issue No: 036 Issue date: 21 September 2009**

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 Pages 1 and 2	<p><b>1 EMC TESTING (cont'd)</b></p> <p>1.2 Radiated Emissions 20 Hz to 40 GHz (cont'd)</p>	<p>Panavia SP-P-90003, Issue 3 RRE 6405:Issue 1:1974 RTCA DO-160, Feb 1975, Section 21.0 RTCA DO-160 A, B, C, D, E, F Section 21.0 SPE-J-000-E-1000, Issue 1, Feb 1991 TS 1400:1969 TS 1527:Issue 2:1976 except: PRE3 TS 1757:Issue 2:1979 except: PRE3 Westland EH101, EA98Q010J, Issues 2 and 3 MIL-STD-461A, Notices 1 to 6 except: RE03 MIL-STD-461B except: RE03 MIL-STD-461C, Notices 1 and 2 except: RE03 MIL-STD-461D except: RE103 MIL-STD-461E except: RE103</p>
	<p>1.3 Conducted Susceptibility DC to 400 MHz Including imported spikes, surges and transients</p>	<p>BAe-WAS-SP-TOR-EMC-034, Issue: 1 BS3G100:Part 3:1979, Appendix A BS3G100:Part 4:Section 2, 1980 ISO 7637-1:1990(E) ISO 7637-2:1990(E) Boeing D6-16050, Rev A to D, 1986 Boeing D6-16050-2, Rev A Boeing D6-44588, Rev C DEF-STAN 59-41:Parts 1 to 4: 10 June 1988 except: Part 3, Test Methods, DCS05 (above decks) DCS06 and DCS07 DEF-STAN 59-41:Part 3:Issue 4: 9 July 1993 except: DCS05 (above decks) DCS06 and DCS07</p>



0047  
Accredited to  
ISO/IEC 17025:2005

**Schedule of Accreditation**  
issued by  
**United Kingdom Accreditation Service**  
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

**BAE SYSTEMS (Operations) Limited**  
**Issue No: 036 Issue date: 21 September 2009**

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 Pages 1 and 2	<p><b>1 EMC TESTING (cont'd)</b></p> <p>1.3 Conducted Susceptibility DC to 400 MHz Including imported spikes, surges and transients (cont'd)</p>	<p>DEF STAN 59-41:Part 3:Issue 1, 16 May 2003, Clauses 9.4, 9.5 and 9.6 DEF STAN 59-411:Part 3, Issue: 1, Amendment 1: 31 January 2008 Annex A, DCS02.A Except: Man Worn Annex B, DCS01.B, DCS02.B DCS03.B and DCS04.B DEF STAN 59-41:Part 3:Issue 1, 16 May 2003, Clauses 9.14, 9.15 DEF STAN 59-41:Part 3:Issue 5 Supplements G, H, J, P and T Supplement L, Switching simulations only Supplement M, 28 V dc systems only Supplement S, 115 V 60/400 Hz and 24 V dc only DEF-STAN 61-5:Part 6:1984 except: Annex A (A3.1, 3.3, 3.5) Annex B (B6, B7) DG Ships 250A:1977 EFJ-SP-EFA-240-2036, Issue 3, March 1988, Appendix A MIL-STD-461A, Notices 1 to 6 except: CS03, CS04 and CS05 MIL-STD-461B except: CS03, CS04 and CS05 MIL-STD-461C, Notices 1 and 2 except: CS03, CS04 and CS05 MIL-STD-461D and E except: CS103, CS104 and CS105 MIL-STD-704, A to E except: Crest Factor MVEE 595:1975 NWS 3:A/L 1:1981 Panavia SP-P-90001, Issue 5, Appendix B Panavia SP-P-90003, Issue 3, except: CS03, CS04 and CS05 RAE Tech Memo FS(F)442:1982 RAE Tech Memo FS(F)510:1985 RRE 6405:Issue 1:1974</p>



0047  
Accredited to  
ISO/IEC 17025:2005

**Schedule of Accreditation**  
issued by  
**United Kingdom Accreditation Service**  
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

**BAE SYSTEMS (Operations) Limited**  
**Issue No: 036 Issue date: 21 September 2009**

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 Pages 1 and 2	<p><b>1 EMC TESTING (cont'd)</b></p> <p>1.3 Conducted Susceptibility DC to 400 MHz Including imported spikes, surges and transients (cont'd)</p>	<p>RTCA DO-160, Feb 1975, Sections 16.0 to 20.0 RTCA DO-160 A, B, C, D, E, F Sections 16.0 to 20.0 SPE-J-000-E-1000 Issue: 1, except CS-EFA-6 and CS-EFA-7 TS1400:1969 TS 1527:Issue 2:1976 except: PCS3, PCS4, PCS5 and PST2 TS 1757:Issue 2:1979 except: PCS3, PCS4, PCS5 and PST 2 Westland EH101, EA98Q010J, Issues 2 and 3</p>
	<p>1.4 Radiated Susceptibility DC to 40 GHz</p>	<p>BAe-WAS-SP-TOR-EMC-034, Issue: 1 BS3G100:Part 3:1979, Appendix A BS3G100:Part 4:Section 2, 1980 Boeing D6-16050, Rev A to D, 1986 Boeing D6-16050-2, Rev A DEF-STAN 59-41:Parts 1 to 4, 10 June 1988 DEF-STAN 59-41:Part 3:Issue 4: 9 July 1993 DEF STAN 59-41:Part 3:Issue 5 Supplements U, V and W DEF STAN 59-41:Part 3:Issue 1, 16 May 2003, Clauses 9.17 and 9.18 DEF STAN 59-411:Part 3, Issue: 1, Amendment 1: 31 January 2008 Annex A, DRS01.A and DRS02.A Except: Man Worn Annex B, DRS01.B, DRS02.B DG Ships 250A:1977 DG Ships 250B:June 1981 MIL-STD-461B MIL-STD-461C, Notices 1 and 2 except: RS05 MIL-STD-461D except: RS105 MIL-STD-461E except: RS105</p>



0047  
Accredited to  
ISO/IEC 17025:2005

**Schedule of Accreditation**  
issued by  
**United Kingdom Accreditation Service**  
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

**BAE SYSTEMS (Operations) Limited**  
**Issue No: 036 Issue date: 21 September 2009**

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 Pages 1 and 2	<b>1 EMC TESTING (cont'd)</b>  1.4 Radiated Susceptibility DC to 40 GHz (cont'd)	MVEE 595:1975 NWS 3:A/L 1:1981 Panavia SP-P-90003, Issue 3 RRE 6405:Issue 1:1974 RTCA DO-160, Feb 1975, Section 20.0 RTCA DO-160 A, B, C, D, E, F Section 20.0 SPE-J-000-E-1000, Issue 1, Feb 1991 TS 1400:1969 TS 1527:Issue 2:1976 except: PRS3-3 TS 1757:Issue 2:1979 except: PRS3-3 Westland EH101, EA98Q010J, Issues 2 and 3 MIL-STD-461A, Notices 1 to 6
	1.5 ESD	IEC 801-2:1984 and 1991 EN 60801-2:1993 EN 61000-4-2:1995 GEC Procedure: 277/EMC/TP/141 DEF STAN 59-41:Part 3:Issue 5: Supplement R SPE-J-000-E-1000, Issue 1, Feb 1991 RTCA DO-160D, E
	1.6 EMP 10 kHz to 100 MHz	BAe-WAS-SP-TOR-EMC-034, Issue: 1 DEF-STAN 59-41:Part 3: 10 June 1988 except: DCS05 (above decks) DEF-STAN 59-41:Part 3:Issue 4: 9 July 1993 except: DCS05 (above decks) DEF STAN 59-41:Part 3:Issue 5 Supplement K No Phase Control on Type 2 Transient



0047  
Accredited to  
ISO/IEC 17025:2005

**Schedule of Accreditation**  
issued by  
**United Kingdom Accreditation Service**  
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

**BAE SYSTEMS (Operations) Limited**  
**Issue No: 036 Issue date: 21 September 2009**

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 Pages 1 and 2	<p><b>1 EMC TESTING (cont'd)</b></p> <p>1.6 EMP 10 kHz to 100 MHz (cont'd)</p>	<p>DEF STAN 59-41:Part 3:Issue 1, 16 May 2003, Clause 9.7 DEF STAN 59-411:Part 3, Issue: 1, Amendment 1: 31 January 2008 Annex B, DCS06.B, DCS08.B SPE-J-000-E-1000, Issue 1, Feb 1991 except: LEMP-EFA-1, LEMP-EFA-2 and NEMP-EFA-2 Westland EH101, EA98Q010J, Issues 2 and 3 MIL-STD-461C MIL-STD-461E</p>
	<p align="center"><b>FACILITIES FOR EMC TESTING</b></p> <p>Nine electromagnetically screened rooms.</p> <p>Largest: 8.58 m x 7.36 m x 4.27 m high Smallest: 3.65 m x 3.0 m x 3.0 m high Power supplies include: 20 kVA, 3 phase, 400 Hz (200V phase to phase) 30 kVA, 3 phase, 50 Hz (415V phase to phase) 3 kVA, single phase, variable frequency 1 kVA, 3 phase, variable frequency 240V, 13A, single phase 50 Hz 28V, 100A DC Other DC voltages available</p> <p>Note:</p> <p>Tests may be carried out to other specifications which are derived from, or are amalgamations of, those specifications on the Schedule.</p>	



0047

Accredited to  
ISO/IEC 17025:2005

**Schedule of Accreditation**  
issued by  
**United Kingdom Accreditation Service**  
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

**BAE SYSTEMS (Operations) Limited**  
**Issue No: 036 Issue date: 21 September 2009**

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Aerospace Equipment Aerospace Structures Cells and Batteries Coatings: Metallic Computers and Peripherals Domestic Appliances: Electrical Domestic Appliances: Non-Electrical Electrical/Electronic Components Electrical/Electronic Connectors Electrical/Electronic Products Electrical Cables Electro-mechanical Devices Engine Components Fasteners Fire Fighting and Detection Equipment Generators: Electrical Instruments for Measuring Vehicle Instruments - Indicating, Recording Marine Equipment Metallic Coatings/Treatment Measuring Equipment Mechanical Products Medical/Dental Equipment Metallic Coatings/Treatment Microelectronic Circuits and Components Mining Plant and Equipment Missile Components Missiles: Guided Missiles: Unguided Motor Vehicle Accessories and Components Motors, Electrical Office Equipment, Electrical Office Equipment, Mechanical Packages and Packaging Material Pipes and Pipeline Products Plugs and Sockets: Electrical Power Supplies: Electrical Printed Circuit Boards Radar Equipment Radio and TV Equipment Satellites and Sub-assemblies Security Devices and Alarms Sonar Equipment	<b>2 ENVIRONMENTAL TESTS</b>  2.1 Drop and Topple/Free Fall Max mass: 100 kg Max size: 90 cm x 90 cm	BS 2011:Ec:1977 (IEC 68-2-31:1993) TR 2130:Issue B:1993 DEF-STAN 07-55:1975 Test A9 DEF-STAN 00-35: Issue 3 and 4 Test M4
	2.2 Bump Max mass: 750 kg Max size: 1.5 x 1.5 x 1.5 m	BS 2011:Eb:1987 (IEC 68-2-29:1993) TR 2130:Issue B:1993 DEF-STAN 07-55:1975 Test A5 DEF-STAN 00-35: Issue 3 and 4 Test M12
	2.3 (a) Shock on Vibrator Max mass: 750 kg Max size: 1.5 x 1.5 x 1.5 m Peak thrust: 57 kN Max level: 100g Max displacement: 35 mm Slip table size: 0.9 x 0.9 m	BS 2011:Ea:1988 (IEC 68-2-27:1993) RIA 20, Issue 2:1994 TR 2130:Issue B:1993 DEF-STAN 07-55:1975 Test A3 RTCA DO-160 A, B, C, D, E, F Section 7 MIL-STD-810:B, C, D, E, F: Method 516 DEF-STAN 00-35: Issue 3 and 4 Tests M3 and M6
	2.3 (b) Shock on Shock machine Half Sine Only Max mass: 454 kg Specimen mounting area: 0.95 x 0.95 m Max acceleration: 600g Max pulse duration: 80 ms Max velocity change: 7.62 m/sec	BS 2011:Ea:1988 (IEC 68-2-27:1993) RIA 20:Issue 2:1994 TR 2130:Issue B:1993 DEF-STAN 07-55:1975 Test A3 RTCA DO-160 A, B, C, D, E, F Section 7 MIL-STD-810:B, C: Method 516 DEF-STAN 00-35:Issue 3 and 4 Test M3



0047

Accredited to  
ISO/IEC 17025:2005

**Schedule of Accreditation**  
issued by  
**United Kingdom Accreditation Service**  
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

**BAE SYSTEMS (Operations) Limited**  
**Issue No: 036 Issue date: 21 September 2009**

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Continued from Page 8  Structural Components and Fixings Switchboards: Electrical Telecommunication Equipment Transformers: Electrical Valves: Engineering Weapons and Sub-assemblies	<b>2 ENVIRONMENTAL TESTS</b> (cont'd)	
	2.4 Vibration: Sinusoidal at ambient temperature only Frequency range: 2 Hz to 5 kHz Peak thrust: 57 kN Max mass: 750 kg Max size: 1.5 x 1.5 x 1.5 m Slip table size: 0.9 x 0.9 m	BS 2011:Fc:1983 (IEC 68-2-6:1996) BS3G100:Part 2:Section 3: Sub-section 3.1:1969(1983) TR 2130:Issue B:1993 DEF-STAN 07-55:1975 Test A1 NES 1004:Issue 1:1987 Data Sheet 25 RTCA DO-160 A, B, C, D, E, F Section 8 MIL-STD-781C:1977 MIL-STD-810:B, C, D, E, F: Method 514 DEF-STAN 00-35: Issue 3 and 4 Test M1
	2.5 Vibration: Random at ambient temperature only Frequency range: 2 Hz to 5 kHz RMS thrust: 40 kN Max mass: 750 kg Max size: 1.5 x 1.5 x 1.5 m Slip table size: 0.9 x 0.9 m	IEC 60068-2-64 BS 2011:Fd:1973 (1984) (IEC 68-2-34:1973) BS3G100:Part 2:Section 3: Sub-section 3.1:1969(1983) RIA 20:Issue 2:1994 TR 2130:Issue B:1993 DEF-STAN 07-55:1975 Test A2 RTCA DO-160 A, B, C, D, E, F Section 8 MIL-STD-810:B, C, D, E, F: Method 514 DEF-STAN 00-35: Issue 3 and 4 Test M1
2.6 Acceleration - Steady State Max accel: 30 g at 1 m Max radius: 1.1 m Max mass: 68 kg Max size: 0.45 x 0.45 x 0.45 m	BS 2011:Ga:1984 (IEC 68-2-7:1983) BS3G100:Part 2:Section 3: Sub-section 3.6 DEF-STAN 07-55:1975 Test A6 RTCA DO-160 A, B, C, D, E, F Section 7, Procedure 2	



0047  
Accredited to  
ISO/IEC 17025:2005

**Schedule of Accreditation**  
issued by  
**United Kingdom Accreditation Service**  
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

**BAE SYSTEMS (Operations) Limited**  
**Issue No: 036 Issue date: 21 September 2009**

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 Pages 8 and 9	<b>2 ENVIRONMENTAL TESTS</b> (cont'd)  2.6 Acceleration - Steady State Max accel: 30 g at 1 m Max radius: 1.1 m Max mass: 68 kg Max size: 0.45 x 0.45 x 0.45 m (cont'd)	MIL-STD-810:B, C, D, E, F: Method 513 DEF-STAN 00-35:Issue 3 and 4 Test M13
	2.7 Gunfire Vibration - at ambient temperature only Frequency range: 2 Hz to 5 kHz RMS thrust: 40 kN Max size: 1.5 x 1.5 x 1.5 m Slip table size: 0.9 x 0.9 m	MIL-STD-810:D, E, F: Method 519
	2.8 High Temperature - at Low Humidity  Controlled Humidity: 10% min from +20°C to +75°C Tolerance on RH = ±5%  Uncontrolled Humidity: + 75°C to 100°C  Max chamber size: 1.5 x 1.75 x 2.2 m	BS 2011:Bb:1977 (IEC 68-2-2:1974) BS 2011:Bd:1977 (IEC 68-2-2:1974) TR 2130:Issue B:1993 DEF-STAN 07-55:1975 Test B1, B2 NES 1004:Issue 1:1987 Data Sheets 7 and 9 MIL-STD-810:B, C, D, E, F: Method 501 DEF-STAN 00-35: Issue 3 and 4 Test CL1
	2.9 High Temperature - at High Humidity Max temp: 75°C Max RH: = 95% Tolerance on RH: = ±5% Chamber size: 1.5 x 1.75 x 2.2 m	BS 2011:Ca: 1977 (IEC 68-2-3:1969) BS 2011:Cb:1990 (IEC 68-2-56:1988) BS 2011:Da:1977 (IEC 68-2-4:1960) BS 2011:Db:1981 (IEC 68-2-30:1980) BS3G100:Part 2:Section 3: Sub-section 3.7 TR 2130:Issue B:1993



0047  
Accredited to  
ISO/IEC 17025:2005

**Schedule of Accreditation**  
issued by  
**United Kingdom Accreditation Service**  
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

**BAE SYSTEMS (Operations) Limited**  
**Issue No: 036 Issue date: 21 September 2009**

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 Pages 8 and 9	<p><b>2 ENVIRONMENTAL TESTS</b> (cont'd)</p> <p>2.9 High Temperature - at High Humidity Max temp: 75°C Max RH: = 95% Tolerance on RH: = ±5% Chamber size: 1.5 x 1.75 x 2.2 m (cont'd)</p>	<p>DEF-STAN 07-55:1975 Tests B6, B7 and B8 NES 1004:Issue 1:1987 Data Sheet 7 RTCA DO-160 A, B, C, D, E, F Section 6 MIL-STD-810:B, C, D, E, F: Method 507 DEF-STAN 00-35: Issue 3 and 4 Test CL6 and CL7</p>
	<p>2.10 Combined Temperature/ Altitude/Humidity Max Temp: 120°C Min Temp: -60°C Max Altitude: 30 mb (95000 ft) Max RH: 95% Chamber size: 1 x 1 x 1.5 m</p>	<p>MIL-STD-810B, C : Method 518 MIL-STD-810D, E, F : Method 520 (without vibration)</p>
	<p>2.11 High and Ambient Temperature -at Low Pressure Max temp: 120°C Max altitude: 15 mb (95000 ft) Chamber size: 1 x 1 x 1.5 m Test sample can be supplied with cooling air whilst maintaining altitude conditions (max: 2 lbs/min at -45°C to +70°C)</p>	<p>BS 2011:Z/BM:1977 (IEC 68-2-41:1976) BS3G100:Part 2:Section 3: Sub-section 3.2:1970(1983) DEF-STAN 07-55:1975 Test B11 Part 2:Section 2/1:Test B21 NES 1004:Issue 1:1987 Data Sheet 14 MIL-STD-810:B, C, D, E, F: Method 500 DEF-STAN 00-35: Issue 3 and 4 Test CL11 and CL21 DEF-STAN 00-35:1999 Test CL11 and CL21 RTCA DO-160 A, B, C, D, E, F Paragraph 4.6.1</p>



0047  
Accredited to  
ISO/IEC 17025:2005

**Schedule of Accreditation**  
issued by  
**United Kingdom Accreditation Service**  
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

**BAE SYSTEMS (Operations) Limited**  
**Issue No: 036 Issue date: 21 September 2009**

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 Pages 8 and 9	<p><b>2 ENVIRONMENTAL TESTS</b> (cont'd)</p> <p>2.12 Low Temperature</p> <p>Min temp:      Chamber size: -60°C            1.5 x 1.75 x 2.2 m -60°C            1 x 1 x 1.5 m -60°C            0.53 x 0.53 x 1.11 m</p>	<p>BS 2011:Ab:1980 (IEC 68-2-1:1990) TR 2130:Issue B:1993 DEF-STAN 07-55:1975 Tests B4, B5 NES 1004:Issue 1:1987 Data Sheet 8 MIL-STD-810:B, C, D, E, F: Method 502 DEF-STAN 00-35: Issue 3 and 4 Test CL4 and CL5</p>
	<p>2.13 Low Temperature - at Low Pressure</p> <p>Min temp: -60°C Max altitude: 95000 ft Chamber size: 1 x 1 x 1.5 m Test sample can be supplied with cooling air whilst maintaining altitude conditions (max: 2 lbs/min at -45°C to +70°C)</p>	<p>BS 2011:Z/AM:1977 (IEC 68-2-40:1976) BS3G100:Part 2:Section 3: Sub-section 3.2:1970(1983) DEF-STAN 07-55:1975 Test B12 MIL-STD-810:B, C, D, E, F: Methods 500 and 504 DEF-STAN 00-35: Issue 3 and 4 Test CL12</p>
	<p>2.14 Temperature Cycling including Thermal Shock</p> <p>Max temp: 120°C Min temp: -60°C Manual Transfer Only Above 3°C/Minute is by manual transfer only</p>	<p>BS3G100:Part 2:Section 3: Sub-section 3.15:1978 DEF-STAN 07-55:1975 Test B14 MIL-STD-810:B, C, D, E, F: Method 503 DEF-STAN 00-35: Issue 3 and 4 Test CL14 RTCA DO-160 A, B, C, D, E, F Section 5</p>



0047  
Accredited to  
ISO/IEC 17025:2005

**Schedule of Accreditation**  
issued by  
**United Kingdom Accreditation Service**  
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

**BAE SYSTEMS (Operations) Limited**  
**Issue No: 036 Issue date: 21 September 2009**

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 Pages 8 and 9	<b>2 ENVIRONMENTAL TESTS</b> (cont'd)  2.15 Corrosion - Salt (High humidity) Max temp: 80°C Chamber size: 0.9 x 1.2 x 0.85 m	BS 2011:Ka:1982 (IEC 68-2-11:1981) BS 2011:Kb:1987 (IEC 68-2-52:1996) TR 2130:Issue B:1993 ASTM B117-90:1990 DEF-STAN 07-55:1975 Test C2, C5 NES 1004:Issue 1:1987 Data Sheet 21 RTCA DO-160 A, B, C, D, E, F Section 14 MIL-STD-810:B, C, D, E, F: Method 509 DEF-STAN 00-35: Issue 3 and 4 Test CN2
	2.16 Fine Mist	DEF-STAN 07-55, Part 2, Section 4/1, Test D2
	2.17 Rapid and Explosive Decompression Chamber size: 0.25 x 0.4 x 0.75 m	BS3G100:Part 2:Section 3: Sub-section 3.4:1972 RTCA DO-160 A, B, C, D, E, F Section 4.6.2 MIL-STD-810 D, E, F: Method 500 SP-P-90033:Issue 7:para 6.19 DEF-STAN 00-35: Issue 3 and 4 Test CL9
	2.18 Rain (driving) Wind speed: 18 m/sec Max rainfall: 12 inch/hour Exposure area (exit of wind tunnel) 0.5 x 0.5 m	BS 2011:Rb:1990 (IEC 68-2-18:1989) BS 4999:Part 105:1988 Table IV, Test No 6 BS 5490:1977 paras 8.5 and 8.6 TR 2130:Issue B:1993 EN 60529:1991 paras 14.2.5 and 14.2.6 DEF-STAN 07-55:1975 Test D3



0047  
Accredited to  
ISO/IEC 17025:2005

**Schedule of Accreditation**  
issued by  
**United Kingdom Accreditation Service**  
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

**BAE SYSTEMS (Operations) Limited**  
**Issue No: 036 Issue date: 21 September 2009**

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 Pages 8 and 9	<b>2 ENVIRONMENTAL TESTS</b> (cont'd)  2.18 Rain (driving) Wind speed: 18 m/sec Max rainfall: 12 inch/hour Exposure area (exit of wind tunnel) 0.5 x 0.5 m (cont'd)	NES 1004:Issue 1:1987 Data Sheet 18 RTCA DO-160 A, B, C, D, E, F Section 10.3.2 MIL-STD-810:B, C, D, E, F: Method 506:Proc 1 DEF-STAN 00-35: Issue 3 and 4 Test CL27
	2.19 Immersion Tank size: 0.9 m x 0.9 m dia Max depth: 10 m (pressurised equivalent)	BS 2011:Rc1, Rc 2:1990 (IEC 68-2-18:1989) TR 2130:Issue B:1993 DEF-STAN 07-55:1975 Test D5 Excluding severity G DEF 133:1963:para 15.3 Excluding severity G MIL-STD-810:B, C, D, E, F: Method 512 DEF-STAN 00-35: Issue 3 and 4 Test CL29 excluding severity G
	2.20 Over-Pressure Test Max size: 0.9 m x 0.9 m dia Max pressure: 4.1 bar	DEF-STAN 07-55:1975 Part 2:Section 2:Test B15 Excluding severity F NES 1004:1987 Issue 1:Data Sheet 14 Excluding severity F RTCA DO-160 A, B, C, D, E, F Paragraph 4.6.3 DEF-STAN 00-35:1999 Test CL15 excluding severity F
	2.21 Water-Proofness (Drip) Chamber max size: 1 m x 1.2 m	BS 2011:Ra:1990 (IEC 68-2-18:1989) BS3G100:Part 2:Section 3: Sub-section 3.11:1973 DEF-STAN 07-55:1975 Test D4 DEF-STAN 66.31:para 8.17



0047  
Accredited to  
ISO/IEC 17025:2005

**Schedule of Accreditation**  
issued by  
**United Kingdom Accreditation Service**  
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

**BAE SYSTEMS (Operations) Limited**  
**Issue No: 036 Issue date: 21 September 2009**

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 Pages 8 and 9	<b>2 ENVIRONMENTAL TESTS</b> (cont'd)  2.21 Water-Proofness (Drip) Chamber max size: 1 m x 1.2 m (cont'd)	RTCA DO-160 A, B, C, D, E, F Paragraphs 10.3.1 and 10.3.2 MIL-STD-810 B, C, D, E, F: Method 506 DEF-STAN 00-35: Issue 3 and 4 Test CL28
	2.22 Fluid Contamination Max temp: 70°C Chamber max size: 0.75 m x 0.75 m x 0.5 m	BS3G100:Part 2:Section 3: Sub-section 3.12:1991 DEF-133:Feb 1963:para 14.3 RTCA DO-160 A, B, C, D, E Section 11 DEF-STAN 00-35:1999 Test CN4 MIL-STD-810F:Method 504
	2.23 Icing Test	RTCA DO-160 C, D, E, F Section 24, Categories A and B
	Environmental Testing:  Power supplies available (minimum)  10 kVA, 3 phase 400 Hz (200V phase to phase) (30 kVA), 3 phase 50 Hz (415V phase to phase) 3 kVA, single phase, variable frequency 240V, 13A, single phase 50 Hz 28V DC Other DC voltages available  Note:  Tests may be carried out to other specifications which are derived from, or are amalgamations of, those specifications on this Schedule.	
	END	