


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>0332</b></p> <p>Accredited to <b>ISO/IEC 17025:2005</b></p>	<h3>TRW Conekt</h3>	
	<p><b>Issue No: 041</b></p>	<p><b>Issue date: 20 November 2008</b></p>
<p>Stratford Road Solihull West Midlands B90 4GW</p>	<p><b>Contact: Mr C Gregory</b>  <b>Tel: +44 (0)121 627 3225</b>  <b>Fax: +44 (0)121 627 4353</b>  <b>E-Mail: colin.gregory@trw.com</b>  <b>Website: www.conekt.net</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
METALS, ALLOYS, METAL PRODUCTS and METAL COMPONENTS	<p><b>1 MATERIALS TESTING</b></p> <p>Vickers hardness (Loads from 1 to 50 Kg)  Vickers low load hardness (Loads from 0.2 to 5.0 Kg)  Vickers microhardness (Loads from 0.05 to 0.20 Kg)</p>	BS EN ISO 6507-1:2005 and Documented In-House Method
ORGANIC FLUIDS, BRAKE FLUIDS, PLASTICS and RUBBERS	<p><u>Chemical Tests</u></p> <p>Identification of molecular structure (2.5 fm to 25 fm absorbance)</p>	Documented In-House Method M14 and BS 4181:Part 1:1985(1990) using infra-red spectrometry
RUBBERS	<p><u>Mechanical Tests</u></p> <p>Micro-indentation hardness (Wallace)</p>	Documented In-House Method M57
METALLIC and NON-METALLIC MATERIALS	<p><u>Chemical Tests</u></p> <p>Semi-quantitative elemental micro-analysis  - Atomic Numbers 5 to 92  - nominal limit of detection 0.1% by weight</p>	Documented In-House Method M10 using scanning electron microscope with energy dispersive X-ray analyser



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Aerospace Equipment Alternators Electrical/Electronic Components Electro-mechanical Devices Engine Control Systems Generators Generator Control Units Ignition Systems IT Equipment Instruments Luminaires Microelectronic Circuits and Components Military Equipment and Material Motor Vehicle Components and Accessories Motor Vehicle Systems Power Supplies (Electrical) Transducers Voltage Regulators Weapon Systems	<p><b>2 EMC TESTING</b></p> <p>2.1 MILITARY AND AUTOMOTIVE</p> <p>2.1.1 Conducted Emissions 20 Hz to 400 MHz</p>	BS3G100:Part 4:Section 2: 1973/1980 CISPR 25:1995 CISPR 25:2002 DEF STAN 59-41:Issue 3:1988 DEF STAN 59-41:Issue 5:1995 Supplements A and B EUROCAE-ED-14D:1997 MIL STD 461A:1968 MIL STD 461B:1980 MIL STD 461C:1986 MIL STD 461D:1993 MIL STD 461E:1999 MIL STD 462:1967 MIL STD 462D:1993 RTCA/DO-160A:1980 RTCA/DO-160B:1984 RTCA/DO-160C:1989 RTCA/DO-160D:1997 RTCA/DO-160E:2004 SAE J1113/41 (1995) MVEE 595:1975 Boeing D6-16050-2, -3, -4, -5B, -5C Westland Agusta EA98Q010J:1986 ES-XW7T-1A278-AB, Section CE 410 and CE 420 ES-XW7T-1A278-AC, Section CE 410 and CE 420 Fiat 9.90110, Section 2.7.10
	<p>2.1.2 Radiated Emissions 20 Hz to 40 GHz</p>	BS3G100:Part 4:Section 2: 1973/1980 CISPR 25:1995, Class 1-4 CISPR 25:2002 DEF STAN 59-41:Issue 3:1988 DEF STAN 59-41:Issue 5:1995 Supplements D, E and F EUROCAE-ED-14D:1997 MIL STD 461A:1968 MIL STD 461B:1980 MIL STD 461C:1986 MIL STD 461D:1993 MIL STD 461E:1999



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As listed on Page 2	<p><b>2 EMC TESTING (cont'd)</b></p> <p>2.1 MILITARY AND AUTOMOTIVE (cont'd)</p> <p>2.1.2 Radiated Emissions (cont'd)</p>	<p>MIL STD 462:1967 MIL STD 462D:1993 RTCA/DO-160A:1980 RTCA/DO-160B:1984 RTCA/DO-160C:1989 RTCA/DO-160D:1997 RTCA/DO-160E:2004 SAE J1113/41 (1995) EC Directive 95/54/EC Annex VII and VIII EC Directive 2004/104/EC Annex VII &amp; VIII MVEE 595:1975 Boeing D6-16050-2, -3, -4, -5B, -5C Westland Agusta EA98Q010J:1986 General Motors GM 9114P:1987 ES-XW7T-1A278-AB, Section RE 310 ES-XW7T-1A278-AC, Section RE 310 Fiat 9.90110, Section 2.7.9 GMW 3097:2006</p>
	<p>2.1.3 Conducted Susceptibility 10 kHz to 400 MHz</p>	<p>ISO 11452-1:1995 ISO 11452-1:2005 ISO 11452-4:1995 ISO 11452-4:2001 ISO 11452-4:2005 BS3G100:Part 4:Section 2: 1973/1980 DEF STAN 59-41:Issue 3:1988 DEF STAN 59-41:Issue 5:1995 Supplements G, H and J EUROCAE-ED-14D:1997 MIL STD 461A:1968 MIL STD 461B:1980 MIL STD 461C:1986 MIL STD 461D:1993 MIL STD 461E:1999 MIL STD 462:1967 MIL STD 462D:1967 RTCA/DO-160A:1980</p>



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As listed on Page 2	<b>2 EMC TESTING (cont'd)</b>  2.1 MILITARY AND AUTOMOTIVE (cont'd)  2.1.3 Conducted Susceptibility (cont'd)	RTCA/DO-160B:1984 RTCA/DO-160C:1989 RTCA/DO-160D:1997 RTCA/DO-160E:2004 SAE J1113/2 (1996) SAE J1113/4 (1998) EC Directive 95/54/EC Annex IX EC Directive 2004/104/EC Annex IX MVEE 595:1975 Boeing D6-16050-2, -3, -4, -5B, -5C Westland Agusta EA98Q010J:1986 ES-XW7T-1A278-AB, Section RI 112 ES-XW7T-1A278-AC, Section RI 112, RI 150 Fiat 9.90110, Section 2.7.7 GMW 3097:2006
	2.1.4 Radiated Susceptibility  20 Hz to 18 GHz  14 kHz to 18 GHz 200 V/m  400 MHz to 1 GHz 700 V/m CW  1 GHz to 18 GHz 3000 V/m CW (duty cycle 1% up to 2 GHz and 6% up to 18 GHz)	ISO 11452-2:1995 ISO 11452-2:2004 ISO 11452-3:1995 ISO 11452-3:2001 ISO 11452-5:1995 ISO 11452-5:2002 BS3G100:Part 4:Section 2: 1973/1980 DEF STAN 59-41:Issue 3:1988 DEF STAN 59-41:Issue 5:1995 Supplement V EUROCAE-ED-14D:1997 MIL STD 461A:1968 MIL STD 461B:1980 MIL STD 461C:1986 MIL STD 461D:1993 MIL STD 461E:1999 MIL STD 462:1967 MIL STD 462D:1993 RTCA/DO-160A:1980 RTCA/DO-160B:1984 RTCA/DO-160C:1989 RTCA/DO-160D:1997 RTCA/DO-160E:2004



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	<p>2.1.5 Power Surges and Transients for damped sinusoids, 7 kHz - 100 MHz, maximum levels 1500 V/75 A</p>	<p>DEF STAN 59-41:Issue 3:1988 DEF STAN 59-41:Issue 5:1995 Supplements, K, L, M, N, S and T EUROCAE-ED-14D:1997 MIL STD 461A:1968 MIL STD 461B:1980 MIL STD 461C:1986 MIL STD 461D:1993 MIL STD 461E:1999 MIL STD 462:1967 MIL STD 462D:1993 RTCA/DO-160A:1980 RTCA/DO-160B:1984 RTCA/DO-160C:1989 RTCA/DO-160D:1997 RTCA/DO-160E:2004 Boeing D6-16050-2, -3, -4, -5B, -5C</p>



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As listed on Page 2	<p><b>2 EMC TESTING (cont'd)</b></p> <p>2.1 MILITARY AND AUTOMOTIVE (cont'd)</p> <p>2.1.6 Automotive Transients, Noise and Voltage Tests</p>	<p>ISO 7637-1:1990 ISO 7637-1:2002 ISO 7637-2:1990 ISO 7637-2:2004 ISO 7637-3:1995 ES-XW7T-1A278-AB, Section CI 210, CI 220, CI 230, CI 240 CI 250, CI 260 &amp; CI 270 ES-XW7T-1A278-AC, Section RI 130, CI 210, CI 220, CI 230, CI 250, CI 260 &amp; CI 270 Fiat 9.90110, Section 2.7.4, 2.7.5 SAE J1113-11:1995, excluding Pulse 5 SAE J1113-12:1994 EC Directive 2004/104/EC Annex X</p>
	<p>2.1.7 Exported Spikes and Transients</p>	<p>ISO 7637-1:1990 ISO 7637-2:1990 ISO 7637-2:2004 BOEING D6-16050-4:1991 BOEING D6-16050-5B:2004 BOEING D6-16050-5C DEF STAN 59-41:Issue 3:1988 DEF STAN 59-41:Issue 5:1993 Supplements C EUROCAE ED-14D:1997 MIL STD 461A:1968 MIL STD 461B:1980 MIL STD 461C:1986 MIL STD 462:1967 RTCA/DO-160A:1980 RTCA/DO-160B:1984 RTCA/DO-160C:1989 RTCA/DO-160D:1997 RTCA/DO-160E:2004 SAE J1113/42 (1994) Westland Agusta EA98Q010J:1986</p>



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As listed on Page 2	<b>2 EMC TESTING (cont'd)</b>  2.1 MILITARY AND AUTOMOTIVE (cont'd)  2.1.8 Lightning Strike Damped Sinusoids 3200 V/128 A 0.1/6.4 $\mu$ s Pulse 2300 V/460 A 6.4/70 $\mu$ s Pulse 1600 V/320 A	DEF STAN 59-41:Issue 5:1995 Supplement Q, short waveforms levels A, B, C and D, intermediate levels A, B and C RTCA/DO-160A:1980 RTCA/DO-160B:1984 RTCA/DO-160C:1989 RTCA/DO-160D:1997 RTCA/DO-160E:2004 Waveforms 1, 2, 3 and 4
	2.1.9 Lightning Induced Effects Pin Injection Ground Injection Cable Induction Single Stroke Multiple Stroke Multiple Burst	RTCA/DO-160C:1989 section 22 RTCA/DO-160C:Change No 2:1992 Section 22 RTCA/DO-160D:1997 section 22 RTCA/DO-160D:Change No 3:2002 Section 22 RTCA/DO-160E:2004 section 22 EUROCAE ED-84:1997, Chapter 5 BOEING D6-16050-4:1991 Section 7.4 BOEING D6-16050-5B:2004 Section 7.4 BOEING D6-16050-5C Section 7.4 AIRBUS ABD0100.1.2 section 3.2.2 FAA AC20-136
	2.1.10 Electromagnetic Pulse (Induced Transients) for damped sinusoids, 7 kHz - 100 MHz maximum levels 1500 V/75 A	DEF STAN 59-41:Issue 5:1995 Supplements L and N MIL STD 461A:1968 MIL STD 461B:1980 MIL STD 461C:1986 MIL STD 461D:1993 MIL STD 461E:1999 MIL STD 462:1967 MIL STD 462D:1993 Westland Agusta EA98Q010J:1986



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As listed on Page 2	<b>2 EMC TESTING (cont'd)</b>  2.1 MILITARY AND AUTOMOTIVE (cont'd)  2.1.11 Electrostatic Discharge ± 25 kV Air Discharge	DEF STAN 59-41:Issue 5:1995 Supplement R EUROCAE ED-14D:1997 RTCA/DO-160D:1997 RTCA/DO-160E:2004 ISO 10605:2001 ES-XW7T-1A278-AB, Section CI 280 ES-XW7T-1A278-AC, Section CI 280 Fiat 9.90110, Section 2.7.8 GMW 3097:2006
	2.1.12 Compass Safe Distance	
The following describes the OEM requirements assessed and the test chamber where the testing is performed and proficiency testing has been successfully completed.  OEM: Ford Chamber(s): C, D & E  OEM: Ford Chamber(s): E  OEM: Ford Chamber(s): E  OEM: Ford Chamber(s): Transient Bench	<b>Automotive EMC Laboratory Recognition Program (AEMCLRP)</b>  2.1.13 AEMCLRP Testing  2.1.13.1 Radiated Emissions 150 kHz to 2.5 GHz  2.1.13.2 Absorption Chamber 200 MHz to 10 GHz at 200 V/m  2.1.13.3 Bulk Current Injection 1 MHz to 400 MHz Substitution and Closed Loop Methods  2.1.13.4 ESD Up to 25 kV	This laboratory has been assessed against the AEMCLRP scheme requirements.  CISPR 25:2002 GMW 3097:2006  SAE J1113-21:1998 ISO 11452-2:1995 GMW 3097:2006  ISO 11452-4:2001 GMW 3097:2006  ISO 10605:2001 GMW 3097:2006



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As listed on Page 2	<p><b>2 EMC TESTING (cont'd)</b></p> <p>2.2 CIVIL</p> <p>2.2.1 Conducted Emissions 150 kHz to 30 MHz</p> <p>2.2.2 Electrostatic Discharge Immunity (ESD): Up to 15 kV Direct and Indirect Air and Contact Discharge Positive and Negative Polarity</p> <p>2.2.3 Radiated Electromagnetic Field Immunity: 80 MHz to 2 GHz</p> <p>2.2.4 Fast Transient/Burst Immunity: 0.25 kV to 4.0 kV Positive and Negative Polarity 5 ns rise time, 10 ns duration 15 ms burst duration</p> <p>2.2.5 Surge Immunity Waveforms: 0.2 kV to 4.4 kV 1.2/50 (8/20) µs Common mode Differential mode</p> <p>2.2.6 Conducted Radio Frequency Immunity: 150 kHz to 230 MHz RF voltage up to 10 V rms Injection via coupling networks, direct injection or bulk current injection</p> <p>2.2.7 Power-Frequency Magnetic Fields (Immunity)</p> <p>Frequency: 50 Hz Field strength: up to 10 A/m</p>	<p>EN 55022:1998 including Amendment A1:2000</p> <p>EN 61000-4-2:1995 including Amendment 1:1998 and 2:2001</p> <p>EN 61000-4-3:1996 including Amendment A1:1998 and A2:2001</p> <p>EN 61000-4-4:1995 including Amendment A1:2001 and A2:2001</p> <p>EN 61000-4-5:1995 including A1:2001</p> <p>EN 61000-4-6:1996 including Amendment A1:2001</p> <p>EN 61000-4-8:1993 including Amendment A1:2001</p>



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As listed on Page 2	<p><b>2 EMC TESTING (cont'd)</b></p> <p>2.2 CIVIL (cont'd)</p> <p>2.2.8 AC Power Ports Voltage Dips, Interruptions and Fluctuations (Immunity): Voltage Dips: up to 100% Voltage Reductions: up to 100% Voltage Fluctuations: up to 100%</p> <p>2.2.9 EMC Tests</p> <p>This section includes generic and product family standards that refer to basic standards included in Sections 2.2.1 to 2.2.8 of this Schedule.</p> <p>Note: International Standards, EN, ENV and IEC, listed in this Schedule, that have been adopted nationally as BS EN DD ENV and BS IEC and are technically identical, can be considered as being included in this Schedule.</p>	<p>EN 61000-4-11:1994 including Amendment A1:2001</p> <p>EN 55014-2:1997 including Amendment A1:2001</p>
	<p><b>FACILITIES</b></p> <p>Screened Room A: 2.45 m x 3.65 m x 3.1 m high Door: 0.9 m x 2.1 m high</p> <p>Screened Room B: 3.65 m x 6.1 m c 3.1 m high Door: 1 m x 2.1 m high</p> <p>Screened Semi-Anechoic Room C: 6 m x 5.4 m x 2.8 m high Door: 2 m x 2.1 m high</p> <p>Screened Semi-Anechoic Room D: 8.4 m x 6 m x 6 m Door: 2 m x 2.5 m high</p> <p>Screened Anechoic Room E: 7.1 m x 4.5 m x 3.3 m Door: 1.8 m x 2.1 m high</p>	



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	<p>FACILITIES (cont'd)</p> <p>Power supplies: 50 Hz      240 V      50 A 400 Hz     50 A DC 24 V    10 A</p> <p>A 186 kVA variable speed drive with AC and DC load banks is connected to the screened room wall enabling generators, alternators and motors to be tested on load. Compressed Air and cooling water are also available.</p>	
<p>Aerospace Equipment Alternators Electrical/Electronic Components Electro-mechanical Devices Engine Control Units Ignition Systems Information Technology Equipment Instruments: Indicating and Recording Microelectronic Circuits and Components Military Equipment and Materials Motor Vehicle Components and Accessories Motor Vehicle Systems Transducers Weapon Systems</p>	<p><b>ENVIRONMENTAL TESTS (non explosive items)</b></p> <p><b>3 CLIMATIC TESTS</b></p> <p>3.1 Dry Heat Up to +180°C Min RH 20% Test chamber size: 2500 litre</p> <p>3.2 Humidity - Steady State Temperature: +10°C to +85°C Humidity: 20% to 98% RH Test chamber size: 2500 litre</p> <p>Humidity - Cyclic Temperature: +10°C to +85°C Humidity: 20% to 98% Variant 1 and 2 Test chamber size: 2500 litre</p>	<p>BS EN 60068-2-2:1993 BS EN 60068-2-2: 2007 RTCA/DO - 160D:1997 RTCA/DO - 160E:2004 RTCA/DO - 160F:2007 MIL-STD-810E:1989 Method 501.3 DEF STAN 00-35 (Part 3)/3:1999: Test CL1 MIL-STD-810F:2000 Method 501.4</p> <p>BS 2011:2.1 Ca:1977 IEC 68-2-3:1969 IEC 60068-2-78:2001 BS EN 60068-2-78: 2002:Test Cab DEF STAN 00-35 (Part 3)/3:1999: Test CL7</p> <p>BS EN 60068-2-30:1999, Test Db IEC 60068-2-30:1980 BS EN 60068-2-30:2005 RTCA/DO - 160D:1997 RTCA/DO - 160E:2004 RTCA/DO - 160F: 2007 MIL-STD-810E:1989 Method 507.3 MIL-STD-810F:2000 Method 507.4 DEF STAN 00-35 (Part 3)/3:1999: Test CL6</p>



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As listed on Page 11	<b>ENVIRONMENTAL TESTS (non explosive items) (cont'd)</b>  <b>3 CLIMATIC TESTS (cont'd)</b>  3.2 (cont'd)  Combined test - High Humidity/low temperature  Temperature: -50°C to +85°C Humidity: 20% to 98% RH Test chamber size: 2500 litre	BS EN 60068-2-38:1999, Test Z/AD IEC 60068-2-38:1974
	3.3 Salt Mist - Test Chamber size: 1100 litre  Salt Mist - Cyclic Max Temperature: +70°C Max Humidity: 100% RH  Test Chamber size: 1100 litre  Salt Mist / SO <sub>2</sub>	BS EN 60068-2-11:1999: Test Ka BS 7479:1991 ISO 9227:1990 ISO 9227:2006 IEC 60068-2-11:1981 DIN 50021:1988 ASTM B117:2002 JIS Z2371:1994 EN 60068-2-52:1996, Test Kb RTCA/DO - 160D:1997 RTCA/DO - 160E:2004 RTCA/DO - 160F: 2007 MIL-STD-810E:1989 Method 509.3 MIL-STD-810F:2000 Method 509.4 DEF STAN 00-35 (Part 3)/3:1999: Test CN2  ASTM G85-02, Annex A4
	3.4 Ingress Protection IPX3 Spraying Water IPX4 Splashing Water IPX5 Water Jets IPX9K Water with High Pressure/Steam Jet Cleaning	BS EN 60529:1992 IEC 529:1989 DIN 40053:1972 DIN 40 050 Part 9 (IPX9K) RTCA/DO - 160C:1989, Section 10.3.1 RTCA/DO - 160D:1997, Section 10.3.1 RTCA/DO - 160E:2004, Section 10.3.2 RTCA/DO - 160F:2007, Section 10.3.2



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As listed on Page 11	<p><b>ENVIRONMENTAL TESTS (non explosive items) (cont'd)</b></p> <p><b>3 CLIMATIC TESTS (cont'd)</b></p> <p>3.4 Ingress Protection (cont'd)</p>	<p>MIL-STD-810E: 1989, Method 506.3, Procedure II MIL-STD-810F:2000, Method 506.4, Procedure III DEF STAN 00-35 (Part 3)/3:1999 Test CL28</p>
	<p>3.5 Low Temperature Min Temperature: -70°C</p> <p>Test Chamber size: 2500 litre</p>	<p>BS EN 60068-2-1:1993 IEC 68-2-1:1990 BS EN 60068-2-1:2007 RTCA/DO - 160D:1997 RTCA/DO - 160E:2004 RTCA/DO - 160F:2007 MIL-STD-810E:1989 Method 502.3 MIL-STD-810F:2000 Method 502.4 DEF STAN 00-35 (Part 3)/3:1999: Test CL4</p>
	<p>3.6 Thermal Cycling Temperature Range: -70°C to 180°C Max rate: 5°C/min Test Chamber size: 2500 litre</p>	<p>BS 2011:2.1 N:1985, Test Nb IEC 68-2-14:1984 BS EN 60068-2-14:2000, Test Nb RTCA/DO - 160D:1997 Section 5.0 (Categories B and C) RTCA/DO - 160E:2004 Section 5.0 (Categories B and C) RTCA/DO - 160F: 2007 (Categories B and C) DEF STAN 00-35 (Part 3)/3:1999: Test CL2 (Procedure B) DEF STAN 00-35 (Part 3)/3:1999: Test CL5 (Procedure B)</p>



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As listed on Page 11	<p><b>ENVIRONMENTAL TESTS (non explosive items) (cont'd)</b></p> <p><b>3 CLIMATIC TESTS (cont'd)</b></p> <p>3.7 Thermal Shock Temperature Range: -80°C to +200°C in &lt;30 secs</p>	<p>BS 2011:Part 2.1 Na:1985 IEC 68-2-14:1984 BS EN 60068-2-14:2000, Test Na RTCA/DO - 160E:2004 Section 5.0 (Categories S1 &amp; S2) MIL-STD-810E:1989 Method 503.3 MIL-STD-810F:2000 Method 503.4 DEF STAN 00-35 (Part 3)/3:1999: Test CL14</p>
	<p>3.8 Fluid Contamination Temperature Range: Ambient to +150°C (storage) Spray, dipped or brushed</p>	<p>BS EN 60068-2-74:2000 Part 2, Test Xc RTCA/DO - 160D:1997 RTCA/DO - 160E:2004 MIL-STD-810F:2000 Method 504 DEF STAN 00-35 (Part 3)/3:1999: Test CN4</p>
	<p>3.9 Icing Test Chamber size: 2500 litre</p>	<p>RTCA/DO - 160C:1989, Section 24 Eqpt categories A, C RTCA/DO - 160D:1997, Section 24 Eqpt categories A, C RTCA/DO - 160E:2004, Section 24 Eqpt categories A, C RTCA/DO - 160F:2007, Section 24 Equipment categories A, C MIL-STD-810E:1989, Method 521.1 MIL-STD-810F:2000, Method 521.2 DEF STAN 00-35 (Part 3)/3:1999, Test CL10 (Procedure A)</p>



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
As listed on Page 11	<p><b>4 DYNAMIC TESTING</b></p> <p>4.1 Bump Testing Max mass: 700 kg Max size: 1.0 x 1.0 x 0.8 m Peak thrust: 66 kN Max level: 100 g</p>	<p>BS EN 60068-2-29:1993 IEC 68-2-29:1987 DEF STAN 00-35 (Part 3)/3:1999: Test M12</p>
	<p>4.2 Mechanical Shock Max mass: 700 kg Max size: 1.0 x 1.0 x 0.8 m Peak thrust: 66 kN Max level: 180 g Table size: 750 x 750 mm</p>	<p>BS EN 60068-2-27:1993 IEC 68-2-27:1987 MIL STD 810D:1983 Method 516.3 Section 3-4, Test Procedure II RTCA/DO - 160D:1997, (EUROCAE ED-14D) Test Procedure I RTCA/DO - 160E:2004 RTCA/DO - 160F:2007 MIL-STD-810E:1989 Method 516.4 MIL-STD-810F:2000 Method 516.5 Test Procedure I DEF STAN 00-35 (Part 3)/3:1999: Test M3</p>
	<p>4.3 Vibration - Sinusoidal Frequency range: 3 Hz to 2.5 kHz Max mass: 700 kg Max size: 1.0 x 1.0 x 0.8 m Peak thrust: 66 kN Slip table size: 750 x 750 mm</p>	<p>BS 2011:2.1 Fc:1983 IEC 68-2-6:1982 BS EN 60068-2-6:1996 IEC 68-2-6:1995 BS EN 60068-2-6:2008 EUROCAE ED-14C RTCA/DO - 160C:1989 (EUROCAE ED-14C) RTCA/DO - 160D:1997 (EUROCAE ED-14D) RTCA/DO - 160E:2004 RTCA/DO - 160F:2007 MIL-STD-810E:1989 Method 514.4 MIL-STD-810F:2000 Method 514.5 Test Procedure I and III DEF STAN 00-35 (Part 3)/3:1999: Test M1</p>



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As listed on Page 11	<p><b>4 DYNAMIC TESTING</b> (cont'd)</p> <p>4.4 Vibration - Random Frequency range: 3 Hz to 2.5 kHz Max mass: 700 kg Max size: 1.0 x 1.0 x 0.8 m Peak thrust: 66 kN Slip table size: 750 x 750 mm</p>	<p>BS 2011:2.1 Fdb:1973 BS 2011:2.1 Fd:1984 RTCA/DO - 160C:1989 (EUROCAE ED-14C) RTCA/DO - 160D:1997 (EUROCAE ED-14D) IEC 68-2-36:1984 IEC 68-2-37:1986 IEC 68-2-64:1993 RTCA/DO - 160E:2004 RTCA/DO - 160F:2007 MIL-STD-810E:1989 Method 514.4 MIL-STD-810F:2000 Method 514.5 Test Procedure I and III BS EN 60068-2-64:1995 DEF STAN 00-35 (Part 3)/3:1999: Test M1</p>
	<p>4.5 Vibration - Sine on Random Frequency range: 3 Hz to 2.5 kHz Max mass: 700 kg Max size: 1.0 x 1.0 x 0.8 m Peak thrust: 66 kN Slip table size: 750 x 750 mm</p>	<p>RTCA/DO 160D:1997 (EUROCAE ED-14D) RTCA/DO - 160E:2004 RTCA/DO - 160F:2007 MIL-STD-810E:1989 Method 514.4 MIL-STD-810F:2000 Method 514.5 Test Procedures I and III DEF STAN 00-35 (Part 3)/3:1999: Test M1</p>
	<p>4.6 Vibration - Sine on Random - Gunfire Frequency range: 3 Hz to 2.5 kHz Max mass: 700kg Max size: 1.0 x 1.0 x 0.8 m Peak thrust: 66 kN Slip table size: 750 x 750 mm</p>	<p>MIL-STD-810E:1989 Method 519.4 MIL-STD-810F:2000 Method 519.5 Test Procedure IV</p>



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As listed on Page 11	<b>4 DYNAMIC TESTING</b> (cont'd)  4.7 Drop & Topple	BS EN 60068-2-31:1993 IEC 68-2-31:1969 MIL-STD-810E:1989, Method 516.4, Procedure VI MIL-STD-810F:2000, Method 516.5, Procedure VI
	The tests in Sections 4.1 to 4.6 can be performed with temperature and humidity cycling. Temperature: -50°C to 180°C Humidity: 20% to 98% RH Chambers size: 1500 litre (max)	
	END	