


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>0311</p> <p>Accredited to ISO/IEC 17025:2017</p>	<p>Penny & Giles Aerospace Ltd, an operating division of Curtiss-Wright Controls</p> <p>Issue No: 045 Issue date: 24 April 2021</p>	
	<p>(Environmental & Electrical Product Test Laboratory)</p> <p>15 Enterprise Way Aviation Park West Bournemouth Airport Christchurch Dorset BH23 6HH</p>	<p>Contact: Mr D P Parton Tel: +44 (0)1202 034418 E-Mail: dparton@curtisswright.com Website: www.curtisswright.com</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
<p>AEROSPACE EQUIPMENT AND MATERIALS</p> <p>ELECTRICAL/ELECTRONIC PRODUCTS</p> <p>ELECTROMECHANICAL DEVICES</p> <p>INSTRUMENTS INDICATION/RECORDING</p> <p>MARINE EQUIPMENT</p> <p>MECHANICAL PRODUCTS</p> <p>MOTOR VEHICLE ACCESSORIES AND COMPONENTS</p>	<p>ENVIRONMENTAL TESTS (Non-explosive items)</p> <p>CLIMATIC Single Parameters</p> <p>HIGH TEMPERATURE Max Temp: +180°C Max chamber size: 0.6 m x 0.6 m x 0.7 m</p>	<p>BS EN 60068-2-2:2005 BS EN 60068-2-2: 2007 BS EN 60068-2-2:1993 RTCA DO-160G:2010 + CN1:2014 RTCA DO-160F:2007 RTCA DO-160E:2004 RTCA DO-160D:4:97 RTCA DO-160C:1989 BS 2011:B:1977(1980) Tests Ba, Bb IEC 68-2-2:1974(1976) Subsection 3.2:1970(1983) DEF STAN 07-55:1975 Test B1 MIL-STD 202G:2002 Method 108A MIL-STD 202H:2015 MIL-STD 810F:2000 MIL STD 810G:2008 Method 501.5 MIL STD 810H:2019 Method 501.7 Lloyds No 1: Section 17:1990</p>



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As listed on Page 1	<p>ENVIRONMENTAL TESTS (Non-explosive items) (cont'd)</p> <p>CLMATIC Single Parameters (cont'd)</p> <p>LOW TEMPERATURE MIN TEMP: -70°C Max chamber size: 0.6 m x 0.6 m x 0.8 m</p> <p>TEMPERATURE CHANGE (Thermal Shock)</p> <p>Max temp: +175°C Min temp: -65°C Max chamber size: 0.6 m x 0.6 m x 0.7 m</p>	<p>BS EN 60068-2-1:2007 BS EN 60068-2-1:1994 BS 2011:A:1990 Tests Aa, Ab IEC 68-2-1:1990 Subsection 3.2:1970(1983) DEF STAN 07-55:1975 Test B4 MIL-STD 810F:2000 Method 502.4 MIL-STD 810G:2008 Method 502.5 MIL-STD 810H:2019 Method 502.7 RTCA DO-160C:4:1989 Lloyds No 1: Section 18:1990 RTCA DO-160 D:4:1997 RTCA DO-160E:4:2004 RTCA DO-160F:2007 RTCA DO-160G:2010 + CN1:2014</p> <p>BS 2011:N:1985(1987) Tests Na, Nb IEC 68-2-14:1984 Subsection 3.15:1978(1983) DEF STAN 07-55:1975 Test B14 MIL-STD 202G:2002 MIL-STD 202H:2015 Methods 107F and 107G MIL STD 810F:2000 Method 503.4 MIL STD 810G:2008 Method 503.5 MIL STD 810H:2019 Method 503.7 RTCA DO-160C:5:Cat A:1989 RTCA DO-160D:5:Cat A:1997 RTCA DO-160E:5:Cat A:2004 RTCA DO-160E:10 Cat Y:2004 RTCA DO-160F:Cat A:2007 RTCA DO-160G:2010 + CN1:Cat A: 2014 IEC 60068-2-14:2009</p>



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As listed on Page 1	<p>ENVIRONMENTAL TESTS (Non-explosive items) (cont'd)</p> <p>DYNAMIC Single Parameters</p> <p>VIBRATION - sinusoidal (ambient temperature) Freq range: 3 to 3000 Hz Peak thrust: 35.6 kN Max pk/pk displacement: ±25 mm</p> <p>VIBRATION - random (ambient temperature) Freq range: 3 to 3000 Hz Max RMS: 35.6 kN Max pk/pk displacement: ±25 mm</p>	<p>BS EN 60068-2-6 :2008 BS EN 60068-2-6:1996 BS 2011:Fc:1983 IEC 68-2-6:1982 BS 3G100:Part 2 Subsection 3.1:1969(1983) DEF STAN 07-55:1975 Test A1 MIL-STD 202G:2002 Methods 201A, 204D MIL-STD-202H:2015 MIL-STD 810F:2000 Method 514.5 MIL-STD 810G:2008 Method 514.6 MIL-STD 810H:2019 Method 514.8 RTCA DO-160C:8.0:1990 RTCA DO-160D:8.0:1997, change Note 1 RTCA DO-160E:8:2004 RTCA DO-160F:2007 RTCA DO-160G:2010 + CN1:2014</p> <p>BS 2011:F:1973(1984) Tests Fd, Fda, Fdb, Fdc IEC 68-2-34 to IEC 68-2-37 inc:1973 BS EN60068-2-64:2019 BS EN 60068-2-64:2008 BS EN 60068-2-64:1995 BS 3G100:Part 2 Subsection 3.1:1969(1983) DEF STAN 07-55:1975 Test A2 MIL-STD 202G:2002 Method 214A MIL-STD 202H:2015 MIL-STD 810F:2000 Method 514.5 MIL-STD 810G:2000 Method 514.6 MIL-STD 810H:2019 Method 514.8 RTCA DO-160C:8.0:1990 RTCA DO-160D:8.0:1997 RTCA DO-160E:8.0:2004 RTCA DO-160F:2007 RTCA DO-160G:2010 + CN1:2014</p>



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END		