

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>9373</p> <p>Accredited to ISO/IEC 17025:2005</p>	<h3>Resonate Testing Limited</h3> <p>Issue No: 005 Issue date: 14 September 2018</p>	
	<p>Unit 1 Bridge Technology Park Carnagat Lane Chancellors Road Newry BT35 8XF Northern Ireland</p>	<p>Contact: Mary Kelly Tel: +44 (0) 2890 736390 E-Mail: info@resonateesting.com Website: www.resonateesting.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>GENERAL AND NON-EXPLOSIVE STORES AND EQUIPMENT including:</p> <p>Aerospace Structures, Materials & Equipment Agricultural Equipment Construction Plant, Equipment, Products and Materials Computers & Peripherals Domestic Appliances Electrical/Electronic Components, Connectors & Products Electro-Mechanical Devices Fire-fighting and Detection equipment Hydraulic equipment and fitting Loaded Containers Marine Equipment Mechanical products and plant Medical devices and components Mining Equipment Missile Sub-Assemblies and Components Motor Vehicles Accessories & Components Office Equipment Packages & Packaging Material Plastics and Products Pressure vessels Radar Equipment Radio & Television Equipment Rail and Rolling stock equipment and components Safety Appliances & Equipment Satellites & Sub-Assemblies</p>	<p>ENVIRONMENTAL TESTS (non-explosive items)</p> <p>Dynamic tests Single Parameters</p> <p>VIBRATION-Sinusoidal</p> <p>Freq range: 5-2500 Hz Peak Thrust: 54 kN Max pk/pk displacement: 100mm</p> <p>VIBRATION-Random</p> <p>Freq range: 5-2500 Hz Peak RMS thrust: 54 kN Max pk/pk displacement: 100mm</p>	<p>IEC EN 60068-2-6:2007 IEC EN 60068-2-6:1995 RTCA/DO-160C to G Section 8 MIL STD 810 G (2014) 514.7</p> <p>IEC EN 60068-2-64:2008 IEC EN 60068-2-64:1995 RTCA/DO-160C to G Section 8 MIL STD 810 G (2014) 514.7</p>



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<p>GENERAL AND NON-EXPLOSIVE STORES AND EQUIPMENT including: (cont'd)</p> <p>Security Devices & Alarms Structures and components Shipping Containers & Systems Sub-sea equipment & components Telecommunications Equipment Thermal imaging Unit Loads Unitised Loads Weapons and Sub-Assemblies</p>	<p>Dynamic testing</p> <p>Shock Classical shock with half sine, terminal peak sawtooth, trapezoidal</p> <p>Ambient temperature</p> <p>Half Sine Severity: 100g Minimum pulse width: 6ms Maximum pulse width: 20ms</p> <p>Sawtooth Severity: 100g Minimum pulse width: 6ms Maximum pulse width: 20ms</p> <p>Trapezoid Severity: 50g Minimum pulse width: 11ms Maximum pulse width: 18ms</p> <p>Triangular Severity: 80g Minimum pulse width: 6ms Maximum pulse width: 20ms</p>	<p>IEC EN 60068-2-27:2008 RTCA/DO-160 C to G Section 7 MIL STD 810 G (2014) 516.7</p>
<p>GENERAL MATERIALS FOR AIRCRAFT INTERIORS – seat cushion</p>	<p>Flammability Test</p>	<p>DOT/FAA/AR-00/12 – FAA FIRE TEST HANDBOOK Chapter 7: Seat Cushion Flammability (CS/FAR 25.853)</p>
<p>GENERAL MATERIALS FOR AIRCRAFT INTERIORS – Ceiling & Sidewall Liner Panels Class C Compartments</p>	<p>Flammability Test</p>	<p>DOT/FAA/AR-00/12 – FAA FIRE TEST HANDBOOK Chapter 8: Cargo Liner Burnthrough (CS/FAR 25.855)</p>



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AIRCRAFT POWERPLANT COMPONENTS including: All firewall components Shrouds Cowling and Nacelle Skins Hoses and hose assemblies Fluid Assemblies	Fire Penetration Fire Resistance Fire Proof	QS00118 In House Powerplant Fire test method covering: FAA AC20-135 FAA engineering report 3A ISO2685 (1990 & 1998) DOT/FAA/AR-00/12:FAA FIRE TEST HANDBOOK – Chapter 12 DOT/FAA/AR-00/12:FAA FIRE TEST HANDBOOK – Chapter 11 SAE AS1055 SAE AIR/AS1377 SAE AS4273 (CS/FAR 25.867, 25.865, 25,1181, 25.1191, 25.1183, 25.1193, FAR 33.17, CS-E-130) TSO C140, TSO C53A, TSO C75
GENERAL MATERIALS FOR AIRCRAFT INTERIORS	Flammability – Vertical	DOT/FAA/AR-00/12:FAA FIRE TEST HANDBOOK – Chapter 1 (CS/FAR 25.853 and 25.855)
	Flammability – Horizontal	DOT/FAA/AR-00/12:FAA FIRE TEST HANDBOOK – Chapter 3 (CS/FAR 25.853)
	Flammability – 45 degrees	DOT/FAA/AR-00/12:FAA FIRE TEST HANDBOOK – Chapter 2

END