


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>0408</b> Accredited to ISO/IEC 17025:2017</p>	<h3>Airbus Operations Limited</h3> <p><b>Issue No: 021    Issue date: 22 June 2020</b></p>	
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<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
<p><b>MATERIALS &amp; PROCESSES LABORATORY</b></p> <p>Metals, Alloys and Metal Products</p>	<p><u>Mechanical Tests</u></p> <p>Hardness Vickers (HV 5 &amp; 10)</p> <p><u>Chemical Tests</u></p> <p>Elemental Analysis (X-ray Fluorescence)</p> <p>Elemental analysis of Microstructural constituents and particulate materials &gt; 5 um diam</p> <p><u>Chemical/Physical Tests</u></p>	<p>BS EN ISO 6507-1:2018 LT 15.07.15</p> <p>Documented In-House Procedure LT 19.26.00</p> <p>Documented In-House Procedure LT 15.07.25 using Scanning Electron Microscopy with Energy Dispersive X-Ray Analysis</p>
<p>Thermoset materials including Epoxy Resin and Adhesive Systems</p>	<p>Thermal mapping of cured and non-cured composite materials</p>	<p>AITM 3-0002 AITM 3-0008</p>
<p>Resins, Plastics</p>	<p>Thermal Characterisation</p>	<p>AITM 1,0003</p>
<p>Fasteners and Fastener Components</p>	<p>Torque (Locking and Break Away Torque)</p> <p>Clamping Force (Pre-load test)</p>	<p>ABS1420 Issue A, NASM25027 Rev. 1</p> <p>ABS1420 Issue A, ABS1419 Issue 2</p>
<p>Rubbers and Rubber Products</p>	<p>Resistance to Fluids</p>	<p>BS ISO 1817:2005</p>
<p>Sealants</p>	<p>Peel</p>	<p>AITM2-0013 AITM7-0006</p>



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<p><b>MATERIALS &amp; PROCESSES LABORATORY (cont'd)</b></p> <p>Paints, Varnishes and Temporary Protectives</p> <p><u>Metal Coatings</u></p> <p>Anodic Films</p>	<p><u>Chemical/Physical Tests (cont'd)</u></p> <p>Scratch Resistance</p> <p>Cross Cut Test</p> <p>Resistance to Liquids</p> <p>Resistance to Continuous Salt Spray</p> <p>Corrosion resistance</p>	<p>BS EN ISO 1518:2011</p> <p>BS EN ISO 2409:2007 BS 3900:Part E6:2007</p> <p>BS EN ISO 2812-1:2007</p> <p>ASTM B117-09 BS EN ISO 9227:2006</p> <p>ASTM:B117- 09 BS EN ISO 9227:2006</p>
<p><b>STRUCTURAL TEST DOMAIN</b></p> <p>Aerospace Equipment Aerospace Structures Castings Forgings Metal Products Structural Components Structures</p>	<p><u>Mechanical Testing</u></p> <p>1 <u>Custom Built Rigs for Individual Test Specimens</u></p> <p>a) Static Loading</p> <p>Single/Multi Channel loading, (Loads from 0.5 kN to 8000 kN)</p> <p>b) Programmed Fatigue Loading</p> <p>Single/Multi Channel loading, (Loads from 0.5 kN to 8000 kN)</p> <p>2 <u>Strong Floor Facility</u></p> <p>66 ft x 33 ft (20 x 10 m) with 24 ft (7.3 m) headroom Up to 20 tonf (200 kN) point load on any one of 13 floor beams or a distributed load of 100 tonf (1000 kN)</p>	<p>Documented In-House Procedures B24 Procedures Handbook, Sections 4 &amp; 6 using control system based on Moog/Aerospace test controller. Data acquisition using HBM MGC + Platform</p> <p>Documented In-House Procedures B24 Procedures Handbook, Section 5.25 using control system based on MTS or Instron controllers using proprietary software</p>



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<p>STRUCTURAL TEST DOMAIN (cont'd)</p> <p>Aerospace Materials Aerospace Structures Castings Composite Materials Fasteners Forgings Laminates and Fibre Composites Metal Products Metals and Alloys Structural Components Structures</p>	<p><u>Mechanical Testing</u> (cont'd)</p> <p>3 <u>Test Machines</u></p> <p>a) Tension/Compression Tensile/Compressive tests (Loads 0.5 kN to 2500 kN) (Temperature -50°C to +160°C) (Relative humidity 35% to 95%)</p> <p>b) Fatigue Loading – Constant amplitude and/or Programmed sequences (Tension/Compression up to 2000 kN)</p> <p>Note: Specimens loaded using variety of fittings, hydraulic grips – closed and open faced, mechanical wedge, platens, forks and pins etc. Max test piece sizes dependent upon machine; Max using hydraulic grips (tension &amp; compression) – 1800 mm. Max using platens (compression) – 4570 mm. Max using pins and forks (tension) – 2740 mm</p>	<p>Documented In-House Procedures B24 Procedures Handbook Section 5. Data acquisition using above reference controllers or HBM MGC + Platform</p> <p>Documented In-House Procedures</p>
<p>Metals, Alloys and Metal Products</p>	<p><u>Mechanical Tests</u></p> <p>Tensile (Up to 250 kN)</p> <p>Compression (Up to 250kN)</p>	<p>BS EN 2002-1:2005 BS 4A4:1966</p> <p>ASTM E9-19</p>
<p>Phenolic Mouldings, Reinforced Laminates, Phenolic Epoxy and Polyester, and Rubbers</p>	<p>Tension</p> <p>Bearing Stress / Strength</p>	<p>AITM 1,0007 Issue 5</p> <p>AITM 1,0009 Issue 4</p>
END		



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