


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p>2154</p> <p>Accredited to ISO/IEC 17025:2017</p>	<h3>JCS Technology Ltd</h3> <p>Issue No: 026    Issue date: 16 December 2019</p>	
	<p>Unit 8B, B W Estates Oldmixon Crescent Weston-super-Mare North Somerset BS24 9BA</p>	<p>Contact: Mr K D James Tel: +44 (0)1934-644866 Fax: +44 (0)1934-413909 E-Mail: ken@jcs-tech.co.uk Website: www.Jcs-tech.co.uk</p>
<p>Testing performed at the above address only</p>		

### DETAIL OF ACCREDITATION

JCS Technology Ltd, is accredited for a flexible scope that enables them to establish new and amended test methods, modification of existing methods and include newly revised or technically equivalent methods to conduct the activities detailed below, in accordance with their documented in-house procedure 18.1.

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
ADHESIVE JOINTS BETWEEN METAL SHEETS AND SANDWICH ASSEMBLIES	<p><u>Mechanical Tests</u></p> <p>Climbing drum peel test (ambient atmosphere only)</p>	BS 5350:PartC13:1990
PLASTICS INCLUDING GLASS REINFORCED PLASTICS	<p>Flexural strength (forces from 0.04 to 5 kN) (ambient atmosphere only)</p> <p>Compressive Properties in In-Plane Direction</p> <p>Interlaminar Shear Strength</p>	<p>BS EN ISO 178:2010+A1:2013 BS 2782 Part10 Method 1005:1977 BS EN ISO 14125:1998 +A1:2011</p> <p>BS EN ISO 14126:1999</p> <p>BS EN ISO 14130:1998 CRAG 100 (TR88012) BS EN 2563:1997</p>
PLASTICS INCLUDING GLASS REINFORCED PLASTICS AND POLYTETRAFLUOROETHYLENE	<p>Tensile strength (forces from 0.04 to 5 kN) (ambient atmosphere only)</p>	<p>BS 2782: Part3: Method 327A:1993 BS 2782: Part10: Method1003:1997 BS EN ISO 527-2:2012</p>
PLASTIC FILM / ADHESIVE	<p>Peel strength (ambient atmosphere only)</p>	<p>Documented In-House Method TMP 35 - Issue 7 ISO 4578:1997</p>



2154  
Accredited to  
ISO/IEC 17025:2017

**Schedule of Accreditation**  
issued by  
**United Kingdom Accreditation Service**  
2 Pine Trees, Chertsey Lane, Staines-upon-Thames. TW18 3HR, UK

**JCS Technology Ltd**

**Issue No: 026 Issue date: 16 December 2019**

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
METALS, ALLOYS and METAL PRODUCTS	<u>Corrosion Tests</u>  Fluids Susceptibility (excluding performance testing)  Flowing Mixed Gas Corrosion Test  Corrosion Test in Artificial Atmospheres (Copper assisted salt spray and Acid salt)  Modified Salt Spray (fog) testing (Acid salt and Acid salt with SO <sub>2</sub> )  Salt spray   Acid Corrosion  Sulphur Dioxide  Hydrogen Sulphide  <u>Biological Tests</u>	BS ISO 1817:2015 RTCA/DO – 160D, F and G Sect 11 DEF STAN 00.35 Pt3 Chapter 4 TEST CN4 MIL-STD 810F MIL-STD 810G BS 3G100,Pt.2,Section 3, Subsection 3.12, para 7  BS EN 60068-2-60:1996 BS EN 60068-2-60:2015  BS EN ISO 9227:2017  ASTM G85-11  ASTM B117-18 BS EN ISO 9227:2012RTCA/DD-160 F and G BS EN IEC 60068-2-52:2018 EN 248: Para 5.1 MIL-STD-810 Method 509 DEF-STD 00-35 Pt3 Method CN2 DEF STAN 00-035: Part 3, iss 5, Method CN 2  DEF-STD 00-35 Pt3, iss 4, Method CN3  BS EN 60068-2-42:2003, Test Kc Visual evaluation  BS EN 60068-2-43:2003, Test Kd Visual evaluation
AIRCRAFT EQUIPMENT	Mould Growth	TP7002 based on BS 3G 100-2.3.3:1972



2154  
Accredited to  
ISO/IEC 17025:2017

**Schedule of Accreditation**  
issued by  
**United Kingdom Accreditation Service**  
2 Pine Trees, Chertsey Lane, Staines-upon-Thames. TW18 3HR, UK

**JCS Technology Ltd**

**Issue No: 026 Issue date: 16 December 2019**

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
	Fungus Resistance (mould growth)	TP7006 based on RTCA/DO – 160D, F and G Sect 13
ELECTRONIC EQUIPMENT	<u>Biological Tests</u> (cont'd) Fungus Resistance (mould growth)	TP7002 based on BS 2011:Part 2.1J:1989 (IEC68-2-10:1988) withdrawn
ELECTRONIC COMPONENTS	Mould Growth	TP7012 based on BS EN 60068-2-10:2005+A1:2018 Part 2-10 Test J and guidance11 (IEC 60068-2-10:2005+A1:2018, EN 60068-2-10:2005+A1:2018)
PLASTICS	Evaluation of the action of microorganisms (mould growth)	TP7007 based on BS EN ISO 846:1997 Methods A & B
SYNTHETIC POLYMERIC MATERIALS	Fungi (mould growth)	TP7008 based on ASTM G21-15:2015
TEXTILES	Resistance of textiles to Microbiological deterioration (mould growth)	TP7009 based on BS 6085:1992, Sections 3 and 5 (withdrawn)
	Evaluation of the action of Microfungi (mould growth)	TP7010 based on BS EN 14119:2003, Method A1, A2 & B2 (Microfungi)



2154  
Accredited to  
ISO/IEC 17025:2017

**Schedule of Accreditation**  
issued by  
**United Kingdom Accreditation Service**  
2 Pine Trees, Chertsey Lane, Staines-upon-Thames. TW18 3HR, UK

**JCS Technology Ltd**

**Issue No: 026 Issue date: 16 December 2019**

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
MILITARY EQUIPMENT	<u>Biological Tests (cont'd)</u> Fungus (mould growth)	TP7003 based on MIL-STD 810A:1964, Method 508 MIL-STD 810B:1967, Method 508 MIL-STD 810C:1975, Method 508.1 MIL-STD 810D:1983, Method 508.3 MIL-STD 810E:1989, Method 508.4 MIL-STD 810F:2000, Method 508.5 MIL-STD 810G:2008, Method 508.6 MIL-STD 810 Method 504  TP7016 based on JSS 55555:2000 Rev2 Test No.21 TP7002 based on DEF-STAN 07-55:Part 2: Section 3/2:1982 Test C1  DEF-STAN 00-035:Part 3:Issue 3: 1999 Test CN1 DEF-STAN 00-35: Part 3:Issue 4: 2006 Test CN1  TP7007 & TP7012 based on DEF-STAN 00-035: Part 3:Issue 5: 2017 Test CN1



2154  
Accredited to  
ISO/IEC 17025:2017

**Schedule of Accreditation**  
issued by  
**United Kingdom Accreditation Service**  
2 Pine Trees, Chertsey Lane, Staines-upon-Thames. TW18 3HR, UK

**JCS Technology Ltd**

**Issue No: 026 Issue date: 16 December 2019**

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
BEDDING	<u>Flammability Testing</u> Flammability	BS 7177:2008+A1:2011 excluding clause 4.1.2 BS EN 597-1:1995 (withdrawn) BS EN 597-2:1995 (withdrawn) BS 6807:2006
AIRCRAFT COMPONENTS	Burn	FAR25.853 App F PT 1 Horizontal, vertical, 45 deg and 60 deg.
AUTOMOTVE INTERIORS	Horizontal Burn	ISO 3795:1989 BS AU 169a:1992 FMVSS 302 TL1010
MARINE CONSTRUCTIONS. GENERAL MATERIALS FOR CONSTRUCTION OF RAILWAY. PASSENGER STOCK AND BUILDING CONSTRUCTION. INTERIOR MATERIALS FOR MOTOR VEHICLES. GENERAL MATERIALS FOR AIRCRAFT INTERIORS.	Smoke Density  Determination of Toxic Gas	FAR25.853 App F PT V using ASTM E662  ABD 0031 Issue F Paragraph 7.4 using AITM3-005 Issue 2
POLYMERS and COMPOSITES (including rubbers and plastics) ADHESIVES COATINGS (including paints, varnishes, pigments and dyes) FLUIDS (including oils)	<u>Chemical Tests</u>  <u>Infra Red Chemical Analysis Test by Vibrational Spectroscopy</u>	BS ISO 4650:2012 Documented in House Method TP3000 Transmission and reflection FTIR spectroscopy with Attenuated total reflectance (ATR)
PLASTICS INCLUDING GLASS REINFORCED PLASTICS	<u>Physical Tests</u>  Determination of residue on ignition	BS 2782:Part 10:Method 1002:1977



2154  
Accredited to  
ISO/IEC 17025:2017

**Schedule of Accreditation**  
issued by  
**United Kingdom Accreditation Service**  
2 Pine Trees, Chertsey Lane, Staines-upon-Thames. TW18 3HR, UK

**JCS Technology Ltd**

**Issue No: 026 Issue date: 16 December 2019**

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
PLASTICS INCLUDING GLASS REINFORCED PLASTICS cont'd  POLYMERS and COMPOSITES (including rubbers and plastics) AEROSPACE STRUCTURES ENGINEERING COMPONENTS  AEROSPACE STRUCTURES and ENGINEERING COMPONENTS  POLYMERS and COMPOSITES (including rubbers and plastics) AEROSPACE STRUCTURES ENGINEERING COMPONENTS ELECTRICAL/ELECTRONIC COMPONENTS, CONNECTORS AND PRODUCTS. MOTOR VEHICLE COMPONENTS	<u>Environmental Tests</u>  Accelerated climatic test (Relative humidity 10 to 95% and Temperature -40 to 110°C)  Resistance to Ozone Cracking  Altitude  Temperature  Temperature & Humidity  Thermal Shock  Icing  Exposure to laboratory light sources. Xenon-arc lamps - Non-metallic Coatings  Solar Radiation (Sunshine)  Exposure to laboratory light sources. Xenon-arc lamps  Weathering in Dry, Hot Climate Excluding: - Grey scales - Colorimetry - Gloss  Weathering in Moist, Hot Climate Excluding:- - Grey scales - Colorimetry - Gloss  Gloss	Documented In-House Method TMP 29 - Issue 5  BS ISO 1431-1:2012  RTCA DO160 Section 4  RTCA DO160 Section 5 RTCA DO160 Section 6 BS EN 60068-2-14:2009 RTCA DO160 Section 24 BS EN ISO 4892-2:2013 ISO 11341:2004 (withdrawn)  MIL-STD 810G, Test 505.6  SAE J2412: 2015-08 SAE J2527:2017-09  PV 3929: 2008-03  PV 3930:2008-03  Documented in House Method TP4018



2154  
Accredited to  
ISO/IEC 17025:2017

**Schedule of Accreditation**  
issued by  
**United Kingdom Accreditation Service**  
2 Pine Trees, Chertsey Lane, Staines-upon-Thames. TW18 3HR, UK

**JCS Technology Ltd**  
**Issue No: 026 Issue date: 16 December 2019**

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
END		