

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>2221</p> <p>Accredited to ISO/IEC 17025:2017</p>	<h3>AWE plc</h3> <p>Issue No: 015 Issue date: 18 March 2021</p>	
	<p>Environmental Testing Laboratory AWE Aldermaston Reading Berkshire RG7 4PR</p>	<p>Contact: Mr M Nzekwe, Mr Tony Warkup Tel: +44 (0)118 98 26710 Tel: +44 (0)118 98 27750 E-Mail: michael.nzekwe@awe.co.uk E-Mail: Tony.Warkup@awe.co.uk Website: www.awe.co.uk</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>Weapons and sub-assemblies</p> <p>Aerospace structures and equipment</p> <p>Missiles and missile components</p> <p>Munition components and assemblies</p> <p>Motor vehicle components</p> <p>Electronic and electrical equipment</p> <p>Marine equipment</p> <p>Telecommunications equipment</p> <p>Packaging and container assemblies</p> <p>Other miscellaneous assemblies similar to the above</p>	<p>(Environmental Tests (explosive, radioactive, toxic and inert items))</p> <p>Vibration Sine, random and mixed-mode</p> <p>At ambient temperature or conditioned between -20°C and +60°C</p> <p>Maximum shaker-mounted static mass of test item plus fixture 2000 kg.</p> <p>Higher static masses can be accommodated on slip tables.</p> <p>Multi-channel response measurement.</p> <p>Shaker systems available:</p> <p>LDS 994 244 kN Sine, rigid trunnion 5 Hz to 2 kHz 70 gn pk; 1.4 m/s pk Displacement: 50 mm pk-pk</p> <p>LEI B340 160 kN Sine, rigid trunnion 5 Hz to 2 kHz 70 gn pk; 1.78 m/s pk Displacement: 50 mm pk-pk</p> <p>UD T2000 160 kN Sine, rigid trunnion 5 Hz to 2 kHz 70 gn pk; 1.78 m/s pk Displacement: 25.4 mm pk-pk</p>	<p>Def Stan 00-35:Part 3:Tests M1, M2</p> <p>Mil Std 810F:Method 514.5</p> <p>BS EN 60068-2-6:2008 BS EN 60068-2-64:2008 BS EN 60068-2-80:2005</p>



2221
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

AWE plc

Issue No: 015 **Issue date:** 18 March 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
As listed on Page 1	<p>Environmental Tests (explosive, radioactive, toxic and inert items) (cont'd)</p> <p>Vibration (cont'd)</p> <p>LEI E300 27 kN Sine, rigid trunnion 5 Hz to 3 kHz 70 gn pk; 1.78 m/s pk Displacement: 25.4 mm pk-pk</p> <p>LEI E300 27 kN Sine, air isolation 5 Hz to 3 kHz 70 gn pk; 1.78 m/s pk Displacement: 25.4 mm pk-pk</p>	
	<p>Shaker-induced shock Classic shock or SRS</p> <p>At ambient temperature or conditioned between -20°C and +60°C Maximum shaker-mounted static mass of test item plus fixture 2000 kg. Higher static masses can be accommodated on slip tables. Multi-channel response measurement.</p> <p>Shaker systems available:</p> <p>LDS 994 244 kN Sine, rigid trunnion 5 Hz to 2 kHz Displacement: 50 mm pk-pk</p> <p>LEI B340 160 kN Sine, rigid trunnion 5 Hz to 2 kHz 70 gn pk; 1.78m/s pk Displacement: 50 mm pk-pk</p>	<p>Def Stan 00-35:Part 3:Tests M6, M6, M12</p> <p>Mil Std 810F:Method 516.5</p> <p>BS EN 60068-2-27:2009 BS EN 60068-2-57:1993 BS EN 60068-2-81:2003</p>



2221
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

AWE plc

Issue No: 015 Issue date: 18 March 2021

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
As listed on Page 1	<p>Environmental Tests (explosive, radioactive, toxic and inert items) (cont'd)</p> <p>Shaker-induced shock (cont'd)</p> <p>UD T2000 160 kN Sine, rigid trunnion 5 Hz to 2 kHz 70 gn pk; 1.78m/s pk Displacement: 25.4 mm pk-pk</p> <p>LEI E300 27 kN Sine, rigid trunnion 5 Hz to 3 kHz 70gn pk; 1.78 m/s pk Displacement: 25.4 mm pk-pk</p> <p>LEI E300 27 kN Sine, air isolation 5 Hz to 3 kHz 70 gn pk; 1.78 m/s pk Displacement: 25.4 mm pk-pk</p>	
	<p>Acceleration (Centrifuge)</p> <p>Napier Centrifuge Max rotational speed 250 rpm Max ratings (bare arm):- 170 g at 2.4 m 255 g at 3.6 m 297 g at 4.2 m Max mass of test item 1134 kg</p> <p>J&S Centrifuge General purpose programmable Centrifuge, capable of subjecting a test piece to an acceleration profile through "g" levels from 1g to 100g at a rate of change of 20g/s. Payload of up to 25 kg mass and 300mm³ dimensions.</p>	<p>Def Stan 00-35:Part 3:Test M13</p> <p>Mil Std 810E:Method 513</p> <p>BS EN 60068-2-7:1993</p>
END		