

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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



1304

Accredited to
ISO/IEC 17025:2017

Rolls Royce Submarines Limited

Issue No: 017 Issue date: 30 August 2022

Rolls Royce Power Engineering
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Derby
DE21 7XX

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Testing performed by the Organisation at the locations specified below

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
Address Rolls Royce Power Engineering PO Box 2000 Derby DE21 7XX Local contact Mr M Fazackerley Tel: +44 (0)1332 637503 Email: Matthew.Fazackerley@rolls-royce.com	EMC Testing	A

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Any Customer Premises	EMC Testing	B



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Aerospace components and equipment Electrical/electronic components Electrical/electronic products Electronic products, digital Electrical cables Electro-mechanical devices Defence electronics Marine equipment Sonar equipment	EMC TESTS 1 Conducted Emissions from control/signal/supply and primary power lines: 20 Hz to 150 MHz	DEF STAN 59-41:1988 DEF STAN 59-41:Oct 1995 DEF STAN 59/411:Pt 3 Iss 1+Am1 DEF STAN 59/411:Pt 3 Iss 2 DEF STAN 59/411:Pt 3 Iss 3 DEF STAN 59/411:Pt 4 Iss 2 DEF STAN 59/411:Pt 4 Iss 3 DCE01 and DCE02	A, B
	2 Exported Transients, power lines:	DEF STAN 59-41:1988 DEF STAN 59-41:Oct 1995 DEF STAN 59/411:Pt 3 Iss 1+Am1 DEF STAN 59/411:Pt 3 Iss 2 DEF STAN 59/411:Pt 3 Iss 3 DCE03	A, B
	3 Radiated Emissions Electric Field: 14 kHz to 18 GHz	DEF STAN 59-41:1988 DEF STAN 59-41:Oct 1995 DEF STAN 59/411:Pt 3 Iss 1+Am1 DEF STAN 59/411:Pt 3 Iss 2 DEF STAN 59/411:Pt 3 Iss 3 DEF STAN 59/411:Pt 4 Iss 2 DEF STAN 59/411:Pt 4 Iss 3 DRE01 (except Land Service, Class A and B, 76-450 MHz)	A, B
	4 Radiated Emissions Magnetic Field: 20 Hz to 100 kHz	DEF STAN 59-41:1988 DEF STAN 59-41:Oct 1995 DEF STAN 59/411:Pt 3 Iss 1+Am1 DEF STAN 59/411:Pt 3 Iss 2 DEF STAN 59/411:Pt 3 Iss 3 DEF STAN 59/411:Pt 4 Iss 2 DEF STAN 59/411:Pt 4 Iss 3 DRE02	A, B



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As listed on Page 2	EMC TESTS (cont'd) 5 Conducted Susceptibility primary power and control/signal lines: 20 Hz to 50 kHz	DEF STAN 59-41:1988 DEF STAN 59-41:Oct 1995 DEF STAN 59/411:Pt 3 Iss 1+Am1 DEF STAN 59/411:Pt 3 Iss 2 DEF STAN 59/411:Pt 3 Iss 3 DCS01 and DCS03 DGS 250B:1981, Section 10 (Common Mode)	A, B
	6 Conducted Susceptibility power, control and signal lines: 50 kHz to 400 MHz	DEF STAN 59-41:1988 DEF STAN 59-41:Oct 1995 DEF STAN 59/411:Pt 3 Iss 1+Am1 DEF STAN 59/411:Pt 3 Iss 2 DEF STAN 59/411:Pt 3 Iss 3 DEF STAN 59/411:Pt 4 Iss 2 DEF STAN 59/411:Pt 4 Iss 3 DCS02	A, B
	7 Radiated Susceptibility Magnetic Field: 20 Hz to 100 kHz	DEF STAN 59-41:1988 DEF STAN 59-41:Oct 1995 DEF STAN 59/411:Pt 3 Iss 1+Am1 DEF STAN 59/411:Pt 3 Iss 2 DEF STAN 59/411:Pt 3 Iss 3 DRS01	A, B
	8 Radiated Susceptibility Electric Field: 14 kHz to 18 GHz up to 100 V/m Note: Where this test is performed (except in a screened enclosure) permission to transmit must be sought from the appropriate authorities.	DEF STAN 59-41:1988 DEF STAN 59-41:Oct 1995 DEF STAN 59/411:Pt 3 Iss 1+Am1 DEF STAN 59/411:Pt 3 Iss 2 DEF STAN 59/411:Pt 3 Iss 3 DRS02 (except Land Service, Class A, 1 MHz to 30 MHz)	A, B



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As listed on Page 2	EMC TESTS (cont'd)		
	9 DC Magnetic Field Susceptibility Max dimension of EUT: 0.73 m Max field: 5100 A/m Rate of change 1600 A/m/s	DEF STAN 59-41:1988 DEF STAN 59-41:Oct 1995 DMFS01 DEF STAN 59/411:Pt 3 Iss 1+Am1 DEF STAN 59/411:Pt 3 Iss 2 DEF STAN 59/411:Pt 3 Iss 3 DRS03	A, B
	10 Power Line Surges and Transients	DEF STAN 59-41:Oct 1995 DCS05, DCS06, DCS11, DCS12 DEF STAN 59/411:Pt 3 Iss 1+Am1 DEF STAN 59/411:Pt 3 Iss 2 DEF STAN 59/411:Pt 3 Iss 3 DCS05, DCS06, DCS12	A, B
	11 Electrostatic Discharge	DEF STAN 59-41:Oct 1995 DEF STAN 59/411:Pt 3 Iss 1+Am1 DEF STAN 59/411:Pt 3 Iss 2 DEF STAN 59/411:Pt 3 Iss 3 DCS10	A, B
	Facilities: Screened enclosure: 4.90 m x 3.85 m x 2.88 m (L x B x H) with bench to Def Stan 59 411, 2.4 m x 1.47 m x 0.9 m Power supplies: 230V 50 Hz 13 A 115V 60 Hz 16 A single phase 230V 50 Hz 16 A single phase 415V 50 Hz 32 A three phase + neutral 440V 60 Hz 32 A three phase		
END			