

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK



4085

Accredited to
ISO/IEC 17025:2005

ALSTOM GRID UK Limited

Issue No: 010 Issue date: 29 March 2012

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Testing performed at the above address only

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Measuring Relays, Protection Devices and ancillary equipment	1 EMC Tests	
	1.1 Electrostatic Discharge (ESD) Contact discharge 8 kV Air discharge 15 kV	EN 61000-4-2:2009 EN 60255-22-2:2008
	1.2 Fast Transient & Burst Up to 4 kV	EN61000-4-4: 2004 including Amendment A1:2010 EN 60255-22-4:2008
	1.3 Surge immunity Up to 4 kV	EN 61000-4-5:2006 EN60255-22-5:2011
	1.4 Surge withstand capability	ANSI C37.90.1:2002
	1.5 Power Frequency Magnetic Field Up to 1000 A/m	EN 61000-4-8:1993 including Amendment A1:2001 EN61000-4-8: 2010
	1.6 Pulsed Magnetic Field Up to 1000 A/m	EN 61000-4-9:1993 including Amendment A1:2001
	1.7 Damped Oscillatory Magnetic Field Up to 100 A/m	EN 61000-4-10:1993 including Amendment A1 2001
	1.8 Supply Voltage Variations, DC Interruptions, AC Ripple, AC Voltage Dips and Short Interruptions	EN 61000-4-11:2004 IEC60255-11:2010
1.9 Power Frequency Interference 50 & 60 Hz only	EN 61000-4-16:1998 including Amendment A1:2004 + A2:2011 EN 60255-22-7:2003	



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Measuring Relays, Protection Devices and ancillary equipment (cont'd)	1 EMC Tests (cont'd)	
	1.10 Damped Oscillatory Interference 100 kHz, 1 MHz, 3 MHz, 10 MHz & 30 MHz 2.5 kV, 1 kV	EN 61000-4-18:2007 + A1:2010
	1 MHz Burst Immunity 2.5 kV 1 kV	EN 60255-22-1:2008
	1.11 High Voltage withstand Impulse voltage 5 kV Dielectric withstand Up to 5 kV	EN 60255-27:2005 corrigendum 2007 10.5.3.1 10.5.3.2 ANSI/IEEE C37.90:2005 10.5.3.3
	Insulation resistance Up to 1 kV	EN 60255-5:2001, Clause 7
	1.12 Product safety requirements	EN60255-27:2005, including corrigendum March 2007 (Excluding 6.1.1-6.1.3 mechanical tests, and 7.5 flammability tests)
	2.0 Humidity Over the humidity range of: 40 % rh to 98 % rh	EN 60068-2-30:2005 Humidity EN 60068-2-78:2001
	3.0 Temperature Over the temperature range of: - 40 °C to + 85 °C	EN 60068-2-1:2007 Temperature EN 60068-2-2:2007 Temperature EN 60068-2-14:1999 IEC60068-2-14:2009 Temperature
	Real time digital simulator tests on protection relays	In house procedure CERT 9104.8360
	Omicron functional testing	In house procedure CERT 9104.8237
	END	