

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>011</b>  Accredited to EN 45011:1998 (ISO/IEC Guide 65:1996) to provide product conformity certification	<b>Sira Certification Service</b>	
	<b>Issue No:</b> 055 <b>Issue date:</b> 09 September 2011	
	<b>Rake Lane</b> <b>Eccleston</b> <b>Chester</b> <b>CH4 9JN</b>	<b>Contact: Mr B Howard</b> <b>Tel: +44 (0)1244 670900</b> <b>Fax: +44 (0)1244 681330</b> <b>E-Mail: <a href="mailto:info@siracertification.com">info@siracertification.com</a></b> <b>Website: <a href="http://www.siracertification.com">www.siracertification.com</a></b>

<b>Locations where certification activities covered by the above Accreditation Standard are undertaken</b>	
Sira Certification Service 12 Acorn Industrial Park Crayford Road Crayford Dartford Kent DA1 4AL United Kingdom	Sira Certification Service Rake Lane Eccleston Chester CH4 9JN United Kingdom



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DETAIL OF ACCREDITATION

Product	Standard
Electrical apparatus for potentially explosive atmospheres using the following protection concepts:  General requirements	IEC 60079-0:2007 IEC 60079-0:2006 IEC 60079-0:2004 (withdrawn) IEC 60079-0:2000 (withdrawn) IEC 60079-0:1998 (withdrawn) EN 50014:1997 (withdrawn) EN 50014:1992 (withdrawn) EN 50014:1977 (withdrawn)
Flameproof enclosures 'd'	IEC 60079-1:2007 IEC 60079-1:2003 IEC 60079-1:1983 (withdrawn) IEC 60079-1:1971 (withdrawn) EN 50018:2000 (withdrawn) EN 50018:1994 (withdrawn) EN 55018:1977 (withdrawn)
Pressurised apparatus 'p'	IEC 60079-2:2007 IEC 60079-2:2001 (withdrawn) IEC 60079-2:1983 (withdrawn) EN 50016:2002 (withdrawn) EN 50016:1995 (withdrawn) EN 50016:1977 (withdrawn) EN 50016:1977 (withdrawn)
Powder filling 'q'	IEC 60079-5:2007 IEC 60079-5:1997 (withdrawn) EN 50017:1998 EN 50017:1994 (obsolescent) EN 50017:1977 (withdrawn)
Oil immersion 'o'	IEC 60079-6:2007 IEC 60079-6:1995 (withdrawn) IEC 60079-6:1968 (withdrawn) EN 50015:1998 EN 50015:1994 (obsolescent) EN 55015:1977 (withdrawn)



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Product	Standard
Increased safety 'e'	IEC 60079-7:2006 IEC 60079-7:2001 (withdrawn) IEC 60079-7:1990 (withdrawn) EN 50019:2000 (withdrawn) EN 50019:1994 (withdrawn) EN 50019:1977 (withdrawn)
Intrinsic safety 'i'	IEC 60079-11:2006 IEC 60079-11:1999 (withdrawn) IEC 60079-11:1991 (withdrawn) EN 50020:2002 EN 50020:1993 (withdrawn) EN 50020:1977 (withdrawn)
Type of protection 'n'	IEC 60079-15:2005 IEC 60079-15:2001 BS EN 50021:1999 (obsolescent) BS 6941:1988 (withdrawn)
Encapsulation 'm'	IEC 60079-18:2004 IEC 60079-18:1992 (withdrawn) EN 50028:1987 (withdrawn)
Intrinsically safe electrical systems	IEC 60079-25:2003 EN 50039:1980 (withdrawn) EN 50394-1:2004
Equipment Group II Category IG/Zone 0	IEC 60079-26:2006 IEC 60079-26:2004 (withdrawn) EN 50284:1999 (withdrawn)
Electrical apparatus for explosive gas atmospheres. Fieldbus intrinsically safe concept (FISCO) and fieldbus non-incendive concept (FNICO)	IEC 60079-27:2008 IEC 60079-27:2005 (withdrawn) IEC TS 60079-27:2002
Protection of equipment and transmission systems using Optical Radiation	IEC 60079-28:2006



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Product	Standard
Detectors for flammable gases	IEC 60079-29-1:2007
Electrical resistance trace heating	IEC 60079-30-1:2007 IEC 62086-1:2001 (withdrawn) IEEE 515:2007 IEEE 515:2004
Protection by enclosure "tD"	IEC 60079-31:2008
Explosion prevention and protection Basic concepts and methodology	EN 1127-1:2007 EN 1127-1:1997
Explosion prevention and protection Basic concepts and methodology for mining	EN 1127-2:2002
Interlock and monitoring circuits for use in mines	BS 7202:1989
Special protection (Exs)	HSE SFA 3009:1985 HSE SFA 3009:1972
Protection of fans working in potentially explosive atmospheres	EN 14986:2007
Non-electrical equipment for potentially explosive atmospheres:  General Requirements	EN 13463-1:2009 EN 13463-1:2001 (withdrawn)
Protection by flow restricting enclosures "fr"	EN 13463-2:2004
Protection by flameproof enclosure "d"	EN 13463-3:2005
Non Electrical Equipment - Constructural Safety	EN 13463-5:2003



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Product	Standard
Protection by control of ignition source "b"	EN 13463-6:2005
Non Electrical Equipment - Liquid Immersion	EN 13463-8:2003
Group 1 Category M1 Equipment	EN 50303:2000
Miners cap lamps	EN 50033:2006 IEC 62013-2:2005 EN 50033:1991 (withdrawn) EN 62013-1:2006 EN 62013-1:2002 (withdrawn)
Electrostatic hand-held spraying equipment	EN 50050:2006 EN 50050:2001 BS 6742:Part 1:1987 (withdrawn)
Electrical Apparatus for use in dust atmospheres General requirements	IEC 61241-0:2004
Protection by enclosure "tD"	IEC 61241-1:2004 (withdrawn)
Electrical apparatus for use in the presence of combustible dust: Type of protection 'pD'	IEC 61241-4: 2006 IEC 61241-4: 2001
Protection by intrinsic safety "iD"	IEC 61241-11:2005
Protection by encapsulation "mD"	IEC 61241-18:2004
Luminaire - Specification for general requirements and tests	EN 60598-1:2007 EN 60598-1:2004 EN 60598-1:2000 (withdrawn) EN 60598-1:1997 EN 60598-1:1993 (withdrawn) EN 60598-1:1989 (withdrawn)



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Product	Standard
Electrical equipment for measurement, control and laboratory use: Safety requirements	EN 61010-1:2001
Type 'N' rotating electrical machines	BS 5000:Part 16:1997 (withdrawn)
Mechanical cable glands Requirements and Test Methods	BS 6121:Part 1:2005 BS 6121:Part 1:1989 (withdrawn) BS 6121:Part 1:1987 (withdrawn)
Polymeric glands	BS 6121:Part 2:1989 (withdrawn)
Corrosion resistant glands	BS 6121:Part 3:1990 (withdrawn)
Cable glands for electrical installations	EN 50262:1999
Group II engines for flammable gas and vapour atmospheres	EN 1834-1:2000
Group I engines for workings susceptible to firedamp and/or combustible dust	EN 1834-2:2000
Group II engines for flammable dust atmospheres	EN 1834-3:2000
Industrial Trucks	EN 1755:2000
Metering pumps and dispensers to be installed at filling stations and used to dispense liquid fuel	BS 7117:Part 1:1991 (withdrawn) PAS 022:1997 (withdrawn)
Overfill prevention devices for static tanks for liquid petroleum fuels	EN 13616:2004
Automatic nozzles for fuel dispensers	EN 13012:2001



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Product	Standard
Metering pumps, dispensers and remote pumping units	EN 13617-1:2004
Safe breaks for use on metering pumps and dispensers	EN 13617-2:2004
Shear valves	EN 13617-3:2004
Swivels for use on metering pumps and dispensers	EN 13617-4:2004
LPG equipment for automotive filling stations. Dispensers	EN 14678-1:2006
Flame arrestors	BS 7244:1990 EN 12874:2001
Electrical apparatus for the detection and measurements of combustible gases:  General requirements	IEC 61779-1:1998 (withdrawn) EN 50054:1999 (withdrawn) EN 50054:1991 (withdrawn)
Performance requirements for Group I apparatus indicating up to 5% (V/V) methane in air	IEC 61779-2:1998 (withdrawn) EN 50055:1999 (withdrawn) EN 50055:1991 (withdrawn)
Performance requirements for Group I apparatus indicating up to 100% (V/V) methane in air	IEC 61779-3:1998 (withdrawn) EN 50056:1999 (withdrawn)
Performance requirements for Group II apparatus indicating up to 100% lower explosive limit	IEC 61779-4:1998 (withdrawn) EN 50057:1998 (withdrawn) EN 50057:1991 (withdrawn)
Performance requirements for Group II apparatus indicating up to 100% (V/V) gas	IEC 61779-5:1998 (withdrawn) EN 50058:1998 (withdrawn) EN 50058:1991 (withdrawn)



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Product	Standard
Electrical apparatus for the detection and measurement of oxygen - performance requirements and test methods	EN 50104:2002
Electrical apparatus for the detection of combustible gases in domestic premises	BS EN 50194:2000 BS 7348:1990 (withdrawn)
Portable apparatus designed to detect and measure combustion flue gas of domestic heating appliances	BS 7927:1998 (withdrawn)
Specification for portable electrical apparatus designed to measure combustion flue gas parameters of heating appliances:  General requirements and test methods	EN 50379-1:2004
Performance requirements for apparatus used in statutory inspections and assessment	EN 50379-2:2004
Apparatus used in non-statutory servicing of gas fired heating appliances	EN 50379-3:2004
Transportable ventilated rooms with or without an internal source of release	EN 50381:2004
Functional safety of electrical/electronic/programmable electronic safety-related systems covering process hardware	IEC 61508-1:1998 IEC 61508-2:2000 IEC 61511-1:2003
Functional safety of electrical/electronic/programmable electronic safety-related systems for process, manufacturing, utilities, nuclear ancillary and secondary safety gas monitoring applications software up to and including SIL2 Note : Assessments use the CASS methodology	IEC 61508-3:1998



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Product	Standard
Processes for assuring functional safety of electrical/electronic/programmable electronic safety related systems, covering all overall life cycle phases for systems up to and including SIL3 for use in oil, gas, chemical, petrochemical, pharmaceutical and diving industries. Note: Functional safety for both products and processes is assessed using CASS methodology.	IEC 61508-1:1998 Clause 6:Management of Functional Safety IEC 61508-2:2000 Clause 6:Management of Functional Safety IEC 61508-3:201998 Clause 6:Management of Functional Safety
Potentially explosive atmospheres. Application of quality systems.	EN 13980:2002
Environment Agency MCERTS scheme  Continuous emission monitors  Performance Standard and Test Procedures for Continuous Emission Monitoring Systems. For gaseous particulate and flow-rate monitoring systems	EA CEM Standard Version 3.1, July 2008 EA CEM Standard Version 3, November 2007
Automated measuring systems  General principals	EN 15267-1:2009
Initial assessment of the AMS manufacturer's quality management system and post certification surveillance for the manufacturing process	EN 15267-2:2009
Performance Criteria and Test Procedures for Automated Measuring Systems for monitoring emissions from stationary sources	EN 15267-3:2007
Performance standards for Continuous Ambient A Quality Monitoring Systems. (excluding open path instruments)  For NO, NO <sub>2</sub> , SO <sub>2</sub> , CO, O <sub>3</sub> , PM <sub>10</sub> , PM <sub>2.5</sub> , Metals, Benzene and PAH's	EA CAM Standard Version 5, May 2007 EA CAM Standard Version 4, September 2005



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Product	Standard
Performance standards for Open Path Ambient Air Quality Monitoring systems using Differential Optical Absorption Spectrometry	EA DOAS Standard Version 1, Jan 2004
Performance Standard and Test Procedures for Continuous Water Monitoring Equipment  Automatic Wastewater Sampling Equipment	EA CWMS Standard, Part 1, Version 2, Oct 2006 EA CWMS Standard, Part 1, Version 5, Feb 2003
On-Line Analysers  For Turbidity; pH; Ammonia; Chemical Oxygen Demand, Total Organic Carbon; Dissolved Oxygen; Total Phosphorus; Nitrates; Total Oxidized Nitrogen; Conductivity; Total Chlorine; Free Cyanide.	EA CWMS Standard, Part 2, Version 2.2, Mar 2008 EA CWMS Standard, Part 2, Version 2.1, July 2006 EA CWMS Standard, Part 2, Version 2, Feb 2006
Water Flow Meters	EA CWMS Standard, Part 3, Version 2.1, Mar 2008 EA CWMS Standard, Part 3, Version 2, June 2006 EA CWMS Standard, Part 3, Version 1, Feb 2003
Performance Standard for Portable Emission Monitoring Systems  For stack emission monitoring, fugitive emissions and landfill-gas bore-hole emissions	EA PEMS Standard Version 2, Mar 2008 EA PEMS Standard Version 1, Feb 2005
Performance Standards and Test Procedures for Automatic Isokinetic Samplers	EA Isokinetic Samplers Standard Version 2, Sep 2005



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Product	Standard
Process for Self-Monitoring of Effluent Flow - Management Systems	EA Minimum Requirements for the Self-Monitoring of Effluent Flow, version 3.3, September 2010 Section 4, Quality Assurance only Excluding 4.3, Simplified Management System
Where IEC or EN standards have exact equivalents in BS, EN or BS EN Standards, these are also included in the accreditation.	
END	