

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>UKAS</b> PRODUCT CERTIFICATION  <b>0011</b>  Accredited to EN 45011:1998 (ISO/IEC Guide 65:1996) to provide product conformity certification	<b>Sira Certification Service</b>	
	<b>Issue No: 062    Issue date: 04 November 2014</b>	
	<b>Rake Lane Eccleston Chester Cheshire CH4 9JN</b>	<b>Contact: Mr Alan Myler Tel: +44 (0)1244 670900 Fax: +44 (0)1244 681330 E-Mail: <a href="mailto:info@siracertification.com">info@siracertification.com</a> 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 Cheshire CH4 9JN United Kingdom



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DETAIL OF ACCREDITATION

Product	Standard
<p>At the last review of Form 3002 the following standards were included within the scope of accreditation, other standards may have since been added using the flexible scope arrangement</p> <p>Electrical apparatus for potentially explosive atmospheres using the following protection concepts:</p> <p>General requirements</p>	<p>Flexible scope enabling new versions, or technically equivalent versions, of existing accredited standard test methods to be introduced in accordance with Sira's documented in house procedure</p> <p>IEC 60079-0:2011 IEC 60079-0:2007 IEC 60079-0:2006 IEC 60079-0:2004 (withdrawn) IEC 60079-0:2000 (withdrawn) IEC 60079-0:1998 (withdrawn) EN 50014:1997 (withdrawn) EN 50014:1992 (withdrawn) EN 50014:1977 (withdrawn)</p>
Flameproof enclosures 'd'	<p>IEC 60079-1:2007 IEC 60079-1:2003 IEC 60079-1:1983 (withdrawn) IEC 60079-1:1971 (withdrawn) EN 50018:2000 (withdrawn) EN 50018:1994 (withdrawn) EN 55018:1977 (withdrawn)</p>
Pressurised apparatus 'p'	<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IEC 60079-2:2007 IEC 60079-2:2001 (withdrawn) IEC 60079-2:1983 (withdrawn) EN 50016:2002 (withdrawn) EN 50016:1995 (withdrawn) EN 50016:1977 (withdrawn) EN 50016:1977 (withdrawn)</p>
Powder filling 'q'	<p>IEC 60079-5:2007 IEC 60079-5:1997 (withdrawn) EN 50017:1998 EN 50017:1994 (obsolescent) EN 50017:1977 (withdrawn)</p>



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<p>At the last review of Form 3002 the following standards were included within the scope of accreditation, other standards may have since been added using the flexible scope arrangement</p> <p>Oil immersion 'o'</p>	<p>Flexible scope enabling new versions, or technically equivalent versions, of existing accredited standard test methods to be introduced in accordance with Sira's documented in house procedure</p> <p>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)</p>
<p>Increased safety 'e'</p>	<p>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)</p>
<p>Intrinsic safety 'i'</p>	<p>EN 60079-11:2012 IEC 60079-11:2011 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)</p>
<p>Pressurised rooms</p>	<p>IEC 60079-13:2010 EN 50381:2004</p>
<p>Type of protection 'n'</p>	<p>EN 60079-15:2010 IEC 60079-15:2010 IEC 60079-15:2005 IEC 60079-15:2001 EN 50021:1999 (obsolescent) BS 6941:1988 (withdrawn)</p>



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Intrinsically safe electrical systems	EN 60079-25:2010 IEC 60079-25:2010 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
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



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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 13463-5:2011 EN 13463-5:2003
Protection by control of ignition source "b"	EN 13463-6:2005
Non Electrical Equipment - Liquid Immersion	EN 13463-8:2003



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Miners cap lamps	EN 50033:2006 IEC 62013-2:2005 EN 50033:1991 (withdrawn) EN 62013-1:2006 EN 62013-1:2002 (withdrawn) IEC 60079-35-1:2011 EN 60079-35-1:2011
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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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	IEC 62444:2010 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



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Metering pumps, dispensers and remote pumping units	EN 13617-1:2012 EN 13617-1:2004
Safe breaks for use on metering pumps and dispensers	EN 13617-2:2012 EN 13617-2:2004
Shear valves	EN 13617-3:2012 EN 13617-3:2004
Swivels for use on metering pumps and dispensers	EN 13617-4:2004
LPG equipment for automotive filling stations. Dispensers	EN 14678-1:2013 EN 14678-1:2006
Flame arrestors	BS 7244:1990 EN 12874:2001 EN ISO 16852:2010
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)





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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)
Electrical apparatus for the detection and measurement of oxygen - performance requirements and test methods	EN 50104:2010 EN 50104:2002
Electrical apparatus for the detection of combustible gases in domestic premises	EN 50194:2009 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 50379-1:2012 EN 50379-1:2004
Performance requirements for apparatus used in statutory inspections and assessment	EN 50379-2:2012 EN 50379-2:2004
Apparatus used in non-statutory servicing of gas fired heating appliances	EN 50379-3:2012 EN 50379-3:2004



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<p>Functional safety of electrical/electronic/programmable electronic safety-related systems covering process hardware</p>	<p>EN 62061:2005 EN 50402:2005 EN 50495:2010 IEC 61508-1:2010 IEC 61508-2:2010 IEC 61508-1:1998 IEC 61508-2:2000 IEC 61511-1:2003</p>
<p>Functional safety of electrical/electronic/programmable electronic safety-related systems covering Safety of Machinery</p>	<p>EN ISO 13849-1:2008 EN 62061:2005 EN 61800-5-2:2007</p>
<p>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</p>	<p>EN 50271:2010 EN 62061:2005 EN 50402:2005 EN 50495:2010 IEC 61508-3:2010 IEC 61508-3:1998</p>
<p>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.</p> <p>Potentially explosive atmospheres. Application of quality systems.</p>	<p>IEC 61508-1:2010 Clause 6:Management of Functional Safety IEC 61508-2:2010 Clause 6:Management of Functional Safety IEC 61508-3:2010 Clause 6:Management of Functional Safety 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</p> <p>EN 13980:2002 EN ISO/IEC 80079-34:2011</p>



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<p>Automated measuring systems</p> <p>General principals</p>	<p>EN 15267-1:2009</p>
<p>Initial assessment of the AMS manufacturer's quality management system and post certification surveillance for the manufacturing process</p>	<p>EN 15267-2:2009</p>
<p>Performance Criteria and Test Procedures for Automated Measuring Systems for monitoring emissions from stationary sources</p>	<p>EN 15267-3:2007</p>
<p>Performance standards for Continuous Ambient A Quality Monitoring Systems. (excluding open path instruments)</p> <p>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</p>	<p>EA CAM Standard Version 5, May 2007 EA CAM Standard Version 4, September 2005</p>
<p>Performance standards for Open Path Ambient Air Quality Monitoring systems using Differential Optical Absorption Spectrometry</p>	<p>EA DOAS Standard Version 1, Jan 2004</p>
<p>Performance Standard and Test Procedures for Continuous Water Monitoring Equipment</p> <p>Automatic Wastewater Sampling Equipment</p>	<p>EA CWMS Standard, Part 1, Version 2, Oct 2006 EA CWMS Standard, Part 1, Version 5, Feb 2003</p>



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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
<p>Performance Standard for Portable Emission Monitoring Systems</p> <p>For stack emission monitoring, fugitive emissions and landfill-gas bore-hole emissions</p>	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
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	



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**Accreditation for the purpose of Notified Body Activity taking into account EA2/17**

Directive / Regulation	Conformity Assessment procedure/ Module/article	Category of products or individual products	Essential requirements: Product specification / Properties/Standards
<p>Equipment Intended for use in Potentially Explosive Atmospheres (ATEX) 94/9/EC (As Amended)</p> <p>Implemented in UK law by:</p> <p>The Equipment and Protective Systems Intended for use in Potentially Explosive Atmospheres Regulations 1996, No 192 (As Amended)</p>	<p>Annex III / Schedule 6 EC-Type examination</p> <p>Annex IV /Schedule 7 Production QA</p> <p>Annex V / Schedule 8 Product verification</p> <p>Annex VI / Schedule 9 Conformity to type</p> <p>Annex VII / Schedule 10 Product QA</p> <p>Annex IX / Schedule 12 Unit verification</p>	<p>Equipment in :-</p> <p>Equipment group I, categories M1 and M2.</p> <p>Equipment group II, categories 1, 2 and 3.</p> <p>Classes G and D; Protective Systems; Safety Devices; Components;</p> <p>For the following protection concepts: -</p> <p>Electrical Equipment "d", "e", "i", "m", "n", "o", "p" and "q"</p> <p>Non-electrical Equipment "b"</p>	<p>Essential Health and Safety Requirements, Annex II of the Directive and Schedule 3 of the Regulations</p>
<p>Machinery Directive 2006/42/EC</p> <p>Implemented in UK Law by: SI 2008 No. 1597 The Supply of Machinery (Safety) Regulations 2008</p>	<p>EC Type Examination (Annex IX)</p>	<p>Annex IV Machinery Item 21 – Logic units to ensure safety functions</p> <p>Assessments using Annex IX – Articles 12(3)(b) and (4)(a)</p>	<p>Essential Health and Safety requirements Annex I of the Directive and Schedule 2 Part 1 Annex I of the Regulations.</p>
END			