



TRAINING & COMPETENCE

2015



CSA
Group

sira
CERTIFICATION

CSA Group–Sira is a global testing and certification service provider offering the widely recognised and accepted CSA certification marks that appear on billions of qualified products around the world.



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TRAINING PROGRAMME 2015
(PRICES, DATES & LOCATIONS)

ICONS

-  COURSE DURATION (DAYS)
-  COURSE MIRRORS IECEX EXAM UNIT
-  MANUAL PROVIDED
-  ALSO AVAILABLE ON-SITE
-  ON-SITE ONLY
-  PRE-REQUISITES EXIST FOR IECEX
CERTIFICATION (see page 10)

IECEX CERTIFICATION BODY



CSA Group–Sira is an IECEX Certification Body (ExCB) for the IECEX Certification of Personnel Competence Scheme (CoPC).

The scheme is the world’s first international scheme for the certification of personnel associated with equipment, installations & servicing in Ex industries. CSA Group–Sira can provide training and competence certificates* for personnel working in ‘hazardous areas’ around the world. More information about the IECEX scheme can be found on pages 8 - 10.

CSA Group–Sira’s training courses provide candidates wishing to undergo competence assessment with the knowledge they need to sit examinations under the IECEX Certification of Personnel Competence Scheme.

* IECEX CoPC assessment and certification is conducted by Sira Certification Service and is independent from training, in line with ISO/IEC 17024 standard.

HAZARDOUS AREAS TRAINING (ATEX, DSEAR & IEC)



HAZARDOUS AREA, BASIC PRINCIPLES



Learning Objectives

Aimed at End Users who are involved or associated with hazardous areas and is also intended for those individuals who wish to undertake competence examination for IECEx 001 – Basic Principles of Protection in Explosive Atmospheres.

Course Content

- Introduction & Course objectives
- Scheme Overview & Competence
- Personnel Safety
- Properties of flammable materials
- Area Classification
- Grouping & Temperature Classification
- Equipment Protection Types (Overview)
- Categories, EPL's & Equipment Selection
- Equipment Marking
- Flameproof Protection – Ex d
- Increased Safety Protection – Ex e
- Intrinsic Safety Protection – Ex i
- Pressurised Protection – Ex p
- Encapsulation Protection – Ex m
- Non-Incendive Type n Protection
- Other Types of Protection
- Combined Protection
- Dust Protection
- Non-Electrical Protection
- Cable & Wiring Systems
- Cable Glanding
- Equipment Installation
- Inspection & Maintenance
- Legislation Overview
- Certification Process

For prices, dates and locations, see pages 14 - 15.

HAZARDOUS AREAS TRAINING (ATEX, DSEAR & IEC)

CERTIFICATION FOR MANUFACTURERS



Learning Objectives

Designed for manufacturers who require a solid background in Hazardous Area Product Certification Principles. This course looks at the main principles of IECEx and ATEX Directives including the requirements and responsibilities of those involved.

Course Content

- Introduction & Course objectives
- Properties of flammable materials
- Area Classification (overview)
- Grouping & Temperature Classification
- Categories, EPL's & Marking
- Protection Equipment Types (Electrical, Non-Electrical & Dusts)
- Certification Processes
 - Overview (IECEx/ATEX/North America/Others)
 - ATEX Certification
 - IECEx Scheme
 - Certification Process (relationship between manufacturer & certification body)
 - Quality (IECEx/ATEX and North America)
 - Self Declaration
- Legislation Overview

For prices, dates and locations, see pages 14 - 15.

DESIGNING FOR INTRINSIC SAFETY



Learning Objectives

Targeted at electronic engineers, this course looks at the principles of intrinsic design, and provides a step-by-step explanation of the assessment process, with detailed guidance on design criteria. This course is not aimed at those assembling or installing intrinsically safe equipment into systems.

Course Content

- Introduction to Apparatus Groups & Temperature Classification
- Basic Principles of Intrinsic Safety
- The Assessment Process
- Safety Components
- Associated Apparatus
- Installation
- Intrinsically Safe Systems

Please contact CSA Group-Sira for more information.
Email: uktraining@csagroup.org

HAZARDOUS AREA TRAINING FOR DUSTS



Learning Objectives

Aimed at those involved or associated with 'hazardous dusts' and who need a solid understanding of the subject.

Course Content

- Mechanics of a Dust Explosion
- Testing of Material
- Legislation
- Area Classification for Dusts
- Ignition Sources
- Concepts of Equipment
- Protection Methods
- Dust Explosion Risk Assessment

For prices, dates and locations, see pages 14 - 15.

HAZARDOUS AREAS TRAINING (ATEX, DSEAR & IEC)

PERFORM CLASSIFICATION OF HAZARDOUS AREAS



Learning Objectives

Designed for those who need to perform hazardous area classification and have previous experience of doing so. The course uses IEC 60079-10-1 & 60079-10-2 as its basis, plus other relevant standards such as IP 15. This course is not suited to beginners in the subject.

Course Content

- Explosive Atmospheres & Explosion Protection Principles
- Definition of a Hazardous Area
- Area Classification & Methods
- Explosion Protection Overview
 - Exclusion, Containment, Energy Limitation, Dilution & Avoidance of Ignition Sources
- Occupational Health & Safety
- The Roles of Parties Involved in Safety
- Explosive Atmospheres Area Classification Techniques
- Explosive Atmospheres Area Classification Methodologies
- Zone Extents and Documentation

For prices, dates and locations, see pages 14 - 15.

HAZARD APPRECIATION, RISK ASSESSMENT PREPARATION & TRAINING OF PERSONNEL



Learning Objectives

Aimed at those who conduct DSEAR risk assessments on-site. The course will aid you with the preparation and undertaking of risk assessment, through to training of your teams.

Course Content

- Principles of DSEAR
- Hazard Appreciation
 - Dangerous Substances
 - Sources of Ignition
- Hazardous Area Equipment
 - Terminology & Installation
 - Inspection & Maintenance
- Risk Assessment
 - General Considerations
 - Specific Activities
 - Control & Mitigation
 - Preparation & Checklists
- Training & Competence

For prices, dates and locations, see pages 14 - 15.

HAZARDOUS AREAS TRAINING (ATEX, DSEAR & IEC)

INSTALLATION & TEST OF ELECTRICAL EQUIPMENT & WIRING SYSTEMS IN OR ASSOCIATED WITH EXPLOSIVE ATMOSPHERES



Learning Objectives

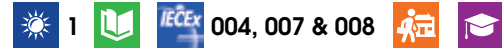
Designed for individuals who are involved with installation and testing of electrical protected equipment and wiring systems. This theory and practical based course covers the explosion-protection aspects of installation and test, and will provide individuals with the knowledge and understanding to enable them to install and test equipment and wiring systems based on IEC 60079-14 and any other relevant standards that may apply.

Course Content

- Preparation for Installation of Equipment & Wiring Systems
 - Policies and Procedures - Working Safely
 - Hazardous Areas
 - Understanding Area Classification
 - Documentation & Drawings
 - Types of Protected Equipment & Wiring
 - Location & Design Drawings
 - Marking of Equipment, Certification & Selection
 - Documentation & Tools
 - Completion of Installation & Verification Dossier
- Test Installation of Equipment & Wiring Systems
 - Policies & Procedures - Working Safely
 - Hazardous Areas
 - Area Classification
 - Equipment Isolation
 - Documentation & Tools
 - Testing
 - Completion of Testing Reports & Verification Dossier

For prices, dates and locations, see pages 14 - 15.

INSPECT & MAINTAIN ELECTRICAL INSTALLATIONS, EQUIPMENT & WIRING SYSTEMS IN OR ASSOCIATED WITH EXPLOSIVE ATMOSPHERES



Learning Objectives

Designed for individuals who are involved in inspection and/or maintenance of electrical protected equipment and wiring systems. This course will provide individuals with the knowledge and understanding required to enable them to inspect and maintain electrical installations, equipment & wiring systems based on IEC 60079-14, IEC 60079-17 and any other relevant standards that may apply.

Course Content

- Preparation for Inspection
- Policies & Procedures - Working Safely
- Hazardous Areas
- Area Classification
- Documentation & Tools
- Inspection of Equipment & Wiring Systems
- Protection Concepts & Equipment Marking
- Visual, Close & Detailed Inspection
- Documentation & Tools
- Maintaining Equipment & Wiring Systems
- Periodic Sampling
- Reporting & Verification Dossier

For prices, dates and locations, see pages 14 - 15.

HAZARDOUS AREAS TRAINING (ATEX, DSEAR & IEC)

DESIGN ELECTRICAL INSTALLATIONS IN OR ASSOCIATED WITH EXPLOSIVE ATMOSPHERES



Learning Objectives

Aimed at those involved in the design of electrical installations, this course covers the explosion-protection aspects for design and electrical installation and will provide individuals with the knowledge and understanding to enable them to design and install based on IEC 60079-14 and any relevant standards that may apply.

Course Content

- Establish Design Brief
- Design System & Installation
- Check & Finalise Design

For prices, dates and locations, see pages 14 - 15.

PERFORM AUDIT INSPECTION OF ELECTRICAL INSTALLATIONS IN OR ASSOCIATED WITH EXPLOSIVE ATMOSPHERES



Learning Objectives

This course is aimed at those involved in performing audit inspection of electrical installations. It will provide the individual with the knowledge they need to verify that an installation complies with the relevant hazardous area standards and includes the verification of design, certification documentation, maintenance, overhaul and repair work based on IEC 60079-14 & IEC 60079-17.

Course Content

- Policies & Procedures - Working Safely
- Audit Hazardous Area Documentation
- Conduct an Audit
- Documentation & Tools
- Reporting & Verification Dossier

Please contact CSA Group-Sira for more information.
Email: uktraining@csagroup.org

THE IECEx CERTIFICATION OF PERSONNEL COMPETENCE SCHEME (CoPC)



THE IECEx CERTIFICATION OF PERSONNEL COMPETENCE SCHEME (CoPC)

CoPC is the world's first international scheme for the certification of personnel associated with equipment, installations and servicing used by Ex industries. The scheme, launched in July 2010, provides companies with independent proof that a person holding an IECEx Certificate of Personnel Competence has the knowledge and skills necessary to implement the International Ex Standards.

WHY IS COMPETENCE IMPORTANT?

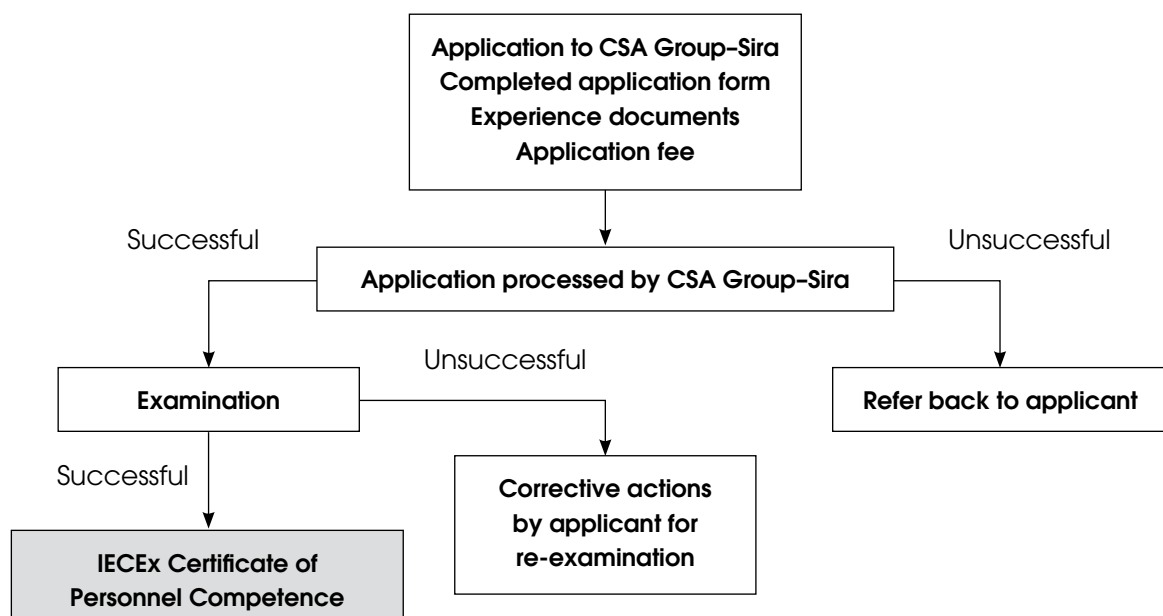
For many years there has been a need in industry for personnel working in potentially explosive atmospheres to be 'competent' in the field of explosion protection. The IECEx Scheme satisfies this need by providing an internationally recognised qualification of an individual's 'competence' when working in hazardous areas.

Manufacturers of 'Ex' equipment can also apply for the scheme to demonstrate competence of principles of protection in explosive atmospheres. CSA Group-Sira is an approved IECEx Certification Body under the scheme.

More information can be found on the CSA Group-Sira website: www.siracertification.com

THE BASIC FRAMEWORK OF THE SCHEME

A more complete flowchart showing the process for IECEx competence can be found in IECEx OD 503.



THE IECEX CERTIFICATION OF PERSONNEL COMPETENCE SCHEME (CoPC)



IECEX COMPETENCE ASSESSMENT UNITS

The Scheme comprises of 11 units, used to establish a person's level of competence when working in Ex industries. Knowledge and skills are assessed by examination.

The Units are as follows:

- Ex 000** Basic knowledge and awareness to enter a site which includes a classified hazardous area
- Ex 001** Apply basic principles of protection in explosive atmospheres
- Ex 002** Perform classification of hazardous areas
- Ex 003** Install explosion-protected equipment and wiring systems
- Ex 004** Maintain equipment in explosive atmospheres
- Ex 005** Overhaul and repair of explosion-protected equipment
- Ex 006** Test electrical installations in or associated with explosive atmospheres
- Ex 007** Perform visual & close inspection of electrical installations in or associated with explosive atmospheres
- Ex 008** Perform detailed inspection of electrical installations in or associated with explosive atmospheres
- Ex 009** Design electrical installations in or associated with explosive atmospheres
- Ex 010** Perform audit inspection of electrical installations in or associated with explosive atmospheres

Unit Ex 001 – Apply Basic Principles of Protection in Explosive Atmospheres is pre-requisite for many of the other units.

For further details see page 10.

IECEX ASSESSMENT

DATES 2015

Unit Ex 001	Chester 13th February 2015 20th March 2015 17th April 2015 5th June 2015 28th August 2015 25th September 2015 23rd October 2015 20th November 2015 18th December 2015
Unit Ex 002	Chester 20th February 2015 1st May 2015 31st July 3rd September 2015 4th November 2015
Unit Ex 003 & Ex 006	Chester 31st March 2015 16th June 2015 2nd September 2015 27th October 2015 24th November 2015
Unit Ex 004, Ex 007 & Ex 008	Chester 2nd April 2015 18th June 2015 4th September 2015 29th October 2015 26th November 2015
Unit Ex 009	Chester 4th February 2015 22nd May 2015 16th September 2015 11th November 2015
Unit Ex 010	Chester Please contact CSA Group-Sira for available dates.

PRE-REQUISITES FOR CANDIDATES UNDERTAKING IECEX COMPETENCE CERTIFICATION

CoPC defines certain pre-requisites for candidates undertaking competence assessment, in terms of qualifications and/or experience in the field. These must be demonstrated by the candidate prior to undergoing certification. Below is a summarised list of the pre-requisites. Please refer to IECEX Operational Document OD 504 for a fuller explanation of the requirements.

UNIT	DESCRIPTION	PRE-REQUISITE(S)
Ex 000	BASIC KNOWLEDGE AND AWARENESS TO ENTER A SITE WHICH INCLUDES A CLASSIFIED HAZARDOUS AREA	NONE
	Typically this unit would be used in relation to any job function that may be performed in or associated with hazardous area and does not require any pre-requisites.	
Ex 001	APPLY BASIC PRINCIPLES	NONE
	There is no minimum level of technical education applicable for this unit of Competence.	
Ex 002	AREA CLASSIFICATION	Ex 001
	Competence in this unit requires a degree, diploma or equivalent in a technical subject. The area classification should be carried out by those who understand the relevance and significance of properties of flammable materials and those who are familiar with the process and the equipment along with safety, electrical, mechanical and other qualified engineering personnel.	
Ex 003	INSTALLATION	Ex 001
	The applicant shall have the level of technical education through documents such as College Certificates and Vocational qualifications etc. For an operative a minimum 3 years experience in industrial electrical installation practice is required. For a responsible person a minimum 3 years experience in Ex industrial electrical installation practice relevant to the scope of the unit of competence being applied for.	
Ex 004	MAINTENANCE	Ex 001
	The applicant shall have the level of technical education through documents such as College Certificates and Trade Credentials etc. For an operative a minimum 3 years experience in industrial maintenance practice is required. For a responsible person a minimum 3 years experience in Ex maintenance practice relevant to the scope of the unit of competence being applied for.	
Ex 005	OVERHAUL / REPAIR	Ex 001
	The applicant shall have the level of technical education through documents such as College Certificates and Trade Credentials etc. For an operative a minimum 3 years experience in the overhaul and repair of general electrical, electronic and/or mechanical equipment relevant to the scope of the unit of competence being applied for taking into account the scope limitations. For a responsible person a minimum 3 years experience in the servicing of Ex electrical, electronic and/or mechanical equipment relevant to the scope of the unit of competence being applied for.	
Ex 006	TEST ELECTRICAL INSTALLATIONS	Ex 001
	The applicant shall have the level of technical education through documents such as College Certificates and Trade Credentials etc. A minimum 3 years experience in industrial electrical installation practice is required.	
Ex 007	VISUAL & CLOSE INSPECTION	Ex 001, Ex 003 OR Ex 004
	The applicant shall have the level of technical education through documents such as College Certificates and Trade Credentials etc. For an operative a minimum 3 years experience in industrial electrical installation practice is required. For a responsible person a minimum 3 years experience in Ex electrical installation practice relevant to the scope of the unit of competence being applied for.	
Ex 008	DETAILED INSPECTION	Ex 001, Ex 003 OR Ex 004
	The applicant shall have the level of technical education through documents such as College Certificates and Trade Credentials etc. For an operative a minimum 3 years experience in general electrical installation practice is required. For a responsible person a minimum 3 years experience in Hazardous Area installation practice is required.	
Ex 009	DESIGN ELECTRICAL INSTALLATIONS	Ex 001
	The applicant shall have the level of technical education through documents such as Degree, Diploma and College Certificates etc. A minimum 3 years experience in general electrical installation design or supervised Hazardous Area installation design is required.	
Ex 010	PERFORM AUDIT INSPECTION	Ex 001, Ex 003 OR Ex 004 OR Ex 009
	The applicant shall have the level of technical education through documents such as Degree, Diploma, College Certificates, Trade Credentials etc. A minimum 3 years experience in general electrical installation or inspection practice, a minimum of 2 years experience in Hazardous Area electrical installation inspection practice is required.	

FUNCTIONAL SAFETY TRAINING



INTRODUCTION AND DEMONSTRATING CONFORMITY TO IEC 61508 AND 61511



Learning Objectives

This is an essential course for all engineers who need to show they have a competent grasp of the subject. The course looks at how you can demonstrate conformity to the standards. Delegates will be made aware of the various aspects of compliance and understand the methods of conforming to IEC 61508 and IEC 61511.

Course Content

- Introduction to Functional Safety
- Determining the SIL Targets
- Achieving SIL (IEC 61508 Part 1 & 2)
- Achieving SIL (IEC 61508 Part 3)
- Management of Functional Safety
- Competence
- Functional Safety Assessment

Please contact CSA Group-Sira for more information.
Email: uktraining@csagroup.org

RELIABILITY AND FUNCTIONAL SAFETY SPECIALIST COURSE



Learning Objectives

CSA Group-Sira, in partnership with Safety Consultants Technis, is promoting an in-depth technical training course relating to reliability and functional safety. Aimed at those wanting to become lead practitioners and consultants within this field, the course provides worked examples, lectures and practical exercises with optional project assignments.

Course Content (abridged)

- Reliability Parameters and their Manipulation
- Statistical Data Analysis
- Hazard Identification and SIL Targets
- Assessment of Random Hardware Failures
- ALARP
- Review of Life-cycle Activities

At the end of the course, each delegate has the opportunity to take a step further towards competence and undergo a formal examination to gain an IAQC accredited certificate. (To undertake this course, delegates should possess a numerate professional qualification and a sound understanding of the basics of the subject).

This course is typically conducted at the Technis training facility in the South of England. Please contact CSA Group-Sira directly for more details.
Email: uktraining@csagroup.org

ENVIRONMENTAL & MCERTS TRAINING



MCERTS AND CSA GROUP-SIRA'S TRAINING

CSA Group-Sira has been at the forefront of MCERTS Certification for over 15 years. This suite of environmental courses and technical sessions is tailored to meet the needs of different personnel involved with MCERTS.

Whereas senior management requires a broad understanding with the accent on cost, resources and market drivers, technical staff require an in-depth knowledge of the requirements and how they are implemented and demonstrated.

CSA Group-Sira has designed its courses to meet the needs of management and technical staff. If you require more specific training, CSA Group-Sira can also tailor our courses to meet your individual needs.

For details please contact CSA Group-Sira on
Tel: +44 (0)1244 670 900
or Email: uktraining@csagroup.org

APPROVED TRAINING

The Environment Agency's Personnel Competency Standard for Manual Stack Emission Monitoring requires personnel to attend "an approved training course that covers hazard identification and risk assessment relating to stack emission monitoring".

Attendance at an approved course is a prerequisite for Trainees wanting to become MCERTS Level 1 Certified, and must be attended every 5 years by all MCERTS Certified Personnel in order to maintain their Competence Certificate.

Details of the CSA Group-Sira approved course (Hazard Identification and Risk Assessment Relating to Stack Emission Monitoring) can be found on page 13.

MCERTS AWARENESS (MONITORING EMISSIONS TO AIR, LAND AND WATER)



Learning Objectives

Aimed at process operators, manufacturers and service companies, delegates will receive a firm grounding of all the Environment Agency's MCERTS schemes and how this relates to the concept of operator self-monitoring.

Course Content

The course gives delegates a firm grounding of MCERTS schemes including:

- Overview of the MCERTS Schemes
- Monitoring Emissions to Air - Product Certification
- Monitoring Emissions to Air - Manual Stack Emission Monitoring
- Monitoring Emissions to Water
- Monitoring Emissions to Land
- MCERTS Software Validation
- Auditing, Standards and Operating Monitoring Assessment (OMA)
- European Requirements

For prices, dates and locations, see pages 14 - 15.

ENVIRONMENTAL & MCERTS TRAINING

HAZARD IDENTIFICATION AND RISK ASSESSMENT RELATING TO STACK EMISSION MONITORING



Learning Objectives

This course is aimed at individuals looking to become MCERTS certified or recertified.

Course Content

- Introduction to Health & Safety Legislation
- Hazard Identification, Introduction to Risk Assessment
- Risk Assessment Practical Experience, Risk Control Strategies
- Working at Height Issues, Physical, Chemical and Environmental Hazards. COSHH Risk Assessment
- COSHH Practical Exercise and Examination

For prices, dates and locations, see pages 14 - 15.

OMA & MCERTS FOR WATER MONITORING



Learning Objectives

Aimed at environmental managers and on-site engineers, the course provides a clear understanding of the Environment Agency document: "Guidance on undertaking an Operator Monitoring Assessment of emissions to water" and specifically looks at Competence of Personnel, section 1, elements D and E.

Course Content

- Introduction; the Importance of Water Monitoring
- OMA Guidance – Water
- OMA & MCERTS
- Further Information & Questions

Please contact CSA Group-Sira for more information.
Email: uktraining@csagroup.org

MCERTS REQUIREMENTS FOR SELF MONITORING OF EFFLUENT FLOW



Learning Objectives

This course is aimed at engineers and operators of processes which are regulated under environmental protection legislation and have flow monitoring specifically written into their permit. It provides insight into what the site inspector and auditor will be looking for as regards to monitoring flow arrangements and management systems on site.

Course Content

- Introduction to the Effluent Flow Scheme
- Site Inspections & Case Studies
- Management System Audit for Effluent Flow
- Final Summary & Questions

Please contact CSA Group-Sira for more information.
Email: uktraining@csagroup.org

TRAINING PROGRAMME 2015

Training Sector	Course Title	Duration	Price per Delegate*	Feb 2015	Mar 2015	Apr/May 2015	Jun 2015	July 2015
Hazardous Areas Training (ATEX & DSEAR)	Certification for Manufacturers	1 day	£430.00	24-Feb	-	21-Apr	30-Jun	-
	Hazard Appreciation, Risk Assessment Preparation & Training of Personnel	1 day	£430.00	25-Feb	-	22-Apr	-	1-July
	Hazardous Area Training for Dusts	2 days	£700.00	-	10-11 Mar	-	9-10 Jun	-
Hazardous Area Training (IEC)	Hazardous Areas, Basic Principles	3 days	£990.00	10-12 Feb	17-19 Mar	14-16 Apr	2-4 Jun	-
	Perform Classification of Hazardous Areas	1.5 days	£650.00	19-20 Feb	-	30 Apr-1 May	-	30-31 July
	Design Electrical Installations in or associated with Explosive Atmospheres	1 day	£480.00	3-Feb	-	21-May	-	-
	Installation & Test of Electrical Equipment & Wiring Systems in or associated with Explosive Atmospheres	1 day	£480.00	-	30-Mar	-	15-Jun	-
	Inspect & Maintain Electrical Installations, Equipment & Wiring Systems in or associated with Explosive Atmospheres	1 day	£480.00	-	-	1-Apr	17-Jun	-
	Perform Audit Inspection of Electrical Installations in or associated with Explosive Atmospheres	1 day	£480.00	Please contact CSA Group-Sira for available dates				
Environmental & MCERTS Training	MCERTS Awareness	1 day	£425.00	25-Feb	-	23-Apr	24-June	-
	Hazard Identification & Risk Assessment relating to Stack-Emission Monitoring	1 day	£425.00	26-Feb	-	-	25-June	-

* Price per/delegate excluding VAT

GLOBAL ON-SITE TRAINING

CSA Group-Sira training courses can be conducted on-site at your premises, anywhere in the world; and tailored to meet your specific needs. This is particularly useful if you have a large number of delegates in need of training or need to tailor a course to a specific process/industry. On-site training also allows you to conduct a course at a time convenient to you, and can work out a more cost-effective option, as delegate travel and accommodation expenses are not required.

TRAINING PROGRAMME 2015

Training Sector	Course Title	Duration	Price per Delegate*	Aug 2015	Sept 2015	Oct 2015	Nov 2015	Dec 2015
Hazardous Areas Training (ATEX & DSEAR)	Certification for Manufacturers	1 day	£430.00	-	29-Sept	-	-	1-Dec
	Hazard Appreciation, Risk Assessment Preparation & Training of Personnel	1 day	£430.00	-	30-Sept	-	-	2-Dec
	Hazardous Area Training for Dusts	2 days	£700.00	-	9-10 Sept	-	24-25 Nov	-
Hazardous Area Training (IEC)	Hazardous Areas, Basic Principles	3 days	£990.00	25-27 Aug	22-24 Sept	20-22 Oct	17-19 Nov	15-17 Dec
	Perform Classification of Hazardous Areas	1.5 days	£650.00	-	2-3 Sept	-	3-4 Nov	-
	Design Electrical Installations in or associated with Explosive Atmospheres	1 day	£480.00	-	15-Sept	-	10-Nov	-
	Installation & Test of Electrical Equipment & Wiring Systems in or associated with Explosive Atmospheres	1 day	£480.00	-	1-Sept	26-Oct	23-Nov	-
	Inspect & Maintain Electrical Installations, Equipment & Wiring Systems in or associated with Explosive Atmospheres	1 day	£480.00	-	3-Sept	28-Oct	25-Nov	-
	Perform Audit Inspection of Electrical Installations in or associated with Explosive Atmospheres	1 day	£480.00	Please contact CSA Group–Sira for available dates				
Environmental & MCERTS Training	MCERTS Awareness	1 day	£425.00	-	15-Sept	27-Oct	-	-
	Hazard Identification & Risk Assessment relating to Stack-Emission Monitoring	1 day	£425.00	-	8-Sept	28-Oct	-	-

* Price per/delegate excluding VAT

ONE-TO-ONE

We understand that not everyone will find a course that is 100% right for them. We can solve this by combining elements of our training courses with sessions of technical support; question and answer sessions which deal with your specific issues on a one-to-one basis, providing a unique blend of training and advice and giving you a session that suits your needs.

If our courses do not quite meet your needs, contact CSA Group–Sira and we can discuss the ways we can provide a course right for you. Please contact CSA Group–Sira on Tel: +44 (0)1244 670 900 or Email: uktraining@csagroup.org

For more information about our range of services
please contact CSA Group-Sira:

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