



**This course is designed in a very flexible and economical way to provide the Electricity Industry with basic environmental management system (EMS) training, in a format suitable for intranet application in addition to group or individual study.**

For just 10-12 hours of study the course provides a comprehensive awareness of an EMS using 10 tasks to help the candidate become familiar with whatever EMS is in place within their organisation.

AFAQ-ETA has run this course successfully for a number of years, and it is now presented in electronic format.

## WHO IS IT FOR?

Specifically designed for use by those working in or strongly associated with the UK electricity industry, the course uses open learning principles with a range of self-assessment opportunities and practical assignments related to the candidate's workplace. The course uses non-technical language, explaining the terms used either within the text or in the glossary.

It is aimed at anyone who has an active involvement in an environmental management system, but does not need to have a broad understanding of 'the environment'.

## THE COURSE

The course is an introduction to environmental management, providing candidates with essential knowledge about the international standard ISO 14001. It will involve the candidate finding out how an Environmental Management System works and how it is applied within their company.

It is an introduction to 'the environment' and candidates may choose to go deeper into the subject by following onto the next level course – ***Environmental Awareness for the Electricity Industry***.

To help candidates gain a deeper understanding in areas of interest, we have provided an extensive list of useful contacts. Also provided is a wide range of reference material in electronic format, including environmental briefings which contain general as well as Industry-specific information.

A Course Map is included to guide candidates through the structure and layout of the course, identifying what needs to be studied, when they should complete tasks and so on.



## HOW DOES THE COURSE WORK?

### Overview

The estimated study time for completion of the course is 10-12 hours, including the 10 tutor-marked tasks. We suggest a target time of one month to complete the course, representing 2-3 hours study per week.

### Content

The course package is CD based, and the material on it consists of the following: Course Map; Course Material (6 modules); Course Tasks; Glossary; Useful Contacts and Reference Material.

### How candidates are assessed

Assessments for the course fall into two categories, **self assessments** and **tutor-marked tasks**.

There are two types of self-assessments: (1) activities within the text, to check prior knowledge, problem-solving or to ask opinions on something (2) self-assessment checkpoints at the end of each module, which give candidates the opportunity to check their learning in interesting and varied ways such as multi-choice questions, completing phrases, and true or false statements. The answers to the module self-assessment checkpoints are given in a separate file within the course material.

Tutor-marked tasks appear as a separate file and should be attempted on completion of the modules. Like the self-assessments they are varied in style, but are assessed by the appointed course tutor.

Tutor assignments are internally assessed by an onsite, company-assigned tutor, and on completion a certificate is issued by AFAQ-ETA, if the candidate has passed.

## THE MODULES

### Module 1 – Global Issues

- Global Warming
- Acid Rain
- Depletion of the Ozone Layer
- Deforestation
- Population Growth
- Trans-boundary Water & Waste Pollution
- Local Context

### Module 2.1 – Electricity & the Environment (Overview)

- The Industry Framework
- Main Areas of Operation

### Module 2.2 – Electricity & the Environment (Generation)

- Basic Electricity Generation Process
- Primary Energy Sources used for Electricity Generation
- Fossil Fuel-fired Generation
- Significant Environmental Aspects of Fossil Fuel Use
- Significant Environmental Aspects of Nuclear Fuels
- Significant Environmental Aspects of Renewable Energy

### Module 2.3 - Electricity & the Environment (Transmission, Distribution & Supply)

- Significant environmental aspects of the transmission & distribution systems
- Significant environmental aspects of the electricity supply area of operation
- Environmental aspects that apply across all areas of the industry

Module 2 has three parts as the generation sector has distinctly different impacts on the environment to the other sectors, therefore candidates from the generation sector have a separate module.

## HOW DO I GET STARTED?

To order simply complete AFAQ-ETA's Open Learning Courses Enrolment/Order Form, including details of how you will be paying and return it to Tyla Davis by e-mail, fax or post using the details at the bottom of the page. Please note that unless an official purchase order has been raised, payment **must** be made (either by cheque or credit card) before the course can be sent out. As the course is intended to be completed in one month, students should complete within 12 months of enrolling, or they may be liable for additional fees if they wish to continue studying after this time.

For all our current prices, see our Open Learning Courses Enrolment/Order Form.

**For more information about any of our training products please contact Tyla Davis, Training & Development Manager, using the details below. We also offer a range of courses in support of ISO certification – see our website for more details!**



**AFAQ-ETA**

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### Module 3 – Environment and the Law

- Environmental Regulation & Control in the UK
- Alternative Controls
- Key Framework Legislation
- Waste Legislation
- Controls on Aqueous Discharges
- Contaminated Land Legislation
- Summary of Environmental Legislation by Topic Area

### Module 4 – Environmental Management



- Formal Environmental Management
- Public Environmental Reporting
- Sustainable Development
- The ISO 14001 Standard
- Other Environmental ISO Standards
- Identifying Aspects & Impacts
- EMS Structure, Roles and Responsibilities
- The EMS Manual
- Procedures

- Objectives, Targets & Management Programmes

### Module 5 – What You Can Do

- Think Global, Act Local
- Why Should I Bother at Work?
- Why Should I Bother Outside Work?
- Resource Use - Materials

### Module 6 – The Future

- A More Sustainable Future
- Summary of Global Environmental Trends

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