

Meeting the ATEX Directive (2 days)

Course Summary

This workshop will cover the general requirements for meeting the CE Requirements for the ATEX Directive 94/9/EC. The workshop is aimed at companies in the manufacture, import or distribution of machinery or electronic apparatus for sale within the European Economic Area (EEA) for use in Explosive Atmospheres. The speaker is Peter Rawlinson of BSI Product Services who is one of the few BIS's (formerly BERR's) "Competence Category 1" engineers in Europe.

Objectives

- To enable your product to be assessed under the ATEX Directives for sale throughout the EU.
- To enable you to perform a risk assessment of your product.
- To be able to identify and apply relevant standards.
- To reduce your company's exposure to EU litigation.



What Does The Course Include?

A comprehensive set of course notes, training CD, refreshments, lunch and a completion certificate.

Day 1	Day 2
<p>Introduction & Welcome</p> <p>Introduction & Housekeeping</p> <p>Session 1 Introduction & History</p> <ul style="list-style-type: none"> ▪ Presenter introductions ▪ Objective and organisation of the course ▪ Brief look at past incidents, causes, results and statistics <p>Session 2 Flammable Materials</p> <ul style="list-style-type: none"> ▪ Characteristics and properties ▪ Flashpoint versus AIT (Auto Ignition Temperature) ▪ Flammability limits ▪ Mechanics of an explosion <p>Session 3 ATEX & DSEAR</p> <p>Explanation of the following documents and significant requirements of UK legislation</p> <ul style="list-style-type: none"> ▪ ATEX 94/9/EC ▪ ATEX 99/92/EC <p>Lunch</p> <p>Session 4 Marking and Certification</p> <ul style="list-style-type: none"> ▪ How to read a certification label ▪ ATEX marking for electrical and non-electrical equipment ▪ Special requirements ▪ Dual and combined certification <p>Session 5 Ex d – Flameproof Protection</p> <ul style="list-style-type: none"> ▪ Standards ▪ Principle of protection ▪ Pressure piling ▪ Weatherproofing <p>Q&A</p> <p>Close</p>	<p>Introduction & Welcome</p> <p>Review of day 1</p> <p>Session 1 Ex p – Purge and Pressurisation</p> <ul style="list-style-type: none"> ▪ Standards ▪ Principle of protection ▪ Common equipment types <p>Session 2 Ex e – Increased Safety</p> <ul style="list-style-type: none"> ▪ Standards ▪ Principle of protection ▪ Common equipment types <p>Break</p> <p>Session 3 Ex n – “Normally Non-Incendive”</p> <ul style="list-style-type: none"> ▪ Standards ▪ Types of apparatus ▪ Ex nA – non-sparking ▪ Ex nL – energy limited ▪ Ex nC – enclosed break ▪ Ex nR – restricted breathing <p>Lunch</p> <p>Session 4 Ex i – Intrinsic Safety</p> <ul style="list-style-type: none"> ▪ Standards ▪ Principle of protection ▪ Systems ▪ Earthing ▪ Simple apparatus <p>Break</p> <p>Session 5 Open Session – Questions from the floor</p> <ul style="list-style-type: none"> ▪ A chance for the client to put forward some of the concepts they are using, how they are using them, and how they are/are not complying with the latest requirements <p>Q&A</p> <p>Close</p>

Booking Details:

Places will be provisionally booked by completing the online booking form. Confirmed bookings are made by faxing the signed booking form to 01527 595033. Alternatively you can post the form to the address below. This course is delivered by Wemtech, on behalf of the CE Marking Association, and has been endorsed by BSI. Further information on dates and costs are available on our website: <http://www.wemtech.co.uk/>