

## Design & Process FMEA (2 days)

### **Design FMEA Summary**

This established technique is of interest to those who need to ensure that the product design fully meets the design specification. This course takes a practical approach to FMEA and concentrates on the identification of significant and critical failures, causes and their effects. It ensures that actions are identified as early as practical to ensure that improvements and changes can be timely and of minimum cost.

### **Process FMEA Summary**

A pro-active powerful tool to enable the early elimination of product and process failures through a detailed study of the manufacturing process. The aim is to minimise production difficulties prior to product launch and prevent product failures reaching the customer. A systematic approach is undertaken which ensures that delegates can fully apply the method effectively within their organisations. Of interest to managers, engineers and employees involved with process layout, specification and improvement.

### **Style & Format**

Run in a participative style using tried and tested mixture of examples and team based workshops to ensure delegates fully understand how to carry out a Product Design and Process FMEA.

### **Content**

- History and FMEA development
- The FMEA methodology
- Understanding product functions (Design)
- Understanding process flow and product characteristics (Process)
- Failure modes and effects
- Failure causes and occurrence
- Process control methods & critical characteristics
- Prioritising risks
- Managing corrective actions
- Reporting and control
- FMEA quality planning

### **Course Benefits**

- Removes the mystique of FMEA by using a proven step by step method
- Help to more clearly define and understand product functions and requirements (Design FMEA)
- To more clearly define process flow and manage critical characteristics (Process FMEA)
- Concentrates thinking in right first time rather than fire fighting
- Helps to focus efforts in a more cost-effective manner
- Identifies where to put the effort on continuous improvement

### **Designed For**

All engineers and managers who need to manage the design and development of new products (Design FMEA) and manage the introduction of new processes (Process FMEA). The course is aimed at those who need to improve produce performance, quality and reliability, and existing processes, quality, performance and cost.

### **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/>

#### **Delegate Comments:**

*"Very informative course. Very beneficial"*

**Kieran Carroll**

*"Very good and in today's world a requirement"*

**Philip Marsh**

*"Tutor had a good ability to adapt to the individual requirements. Very good"*

**Mr Talbot**

To: CE Marking Association

Fax: 01527-595033

## Booking Form

**Booking Details** - Places may be provisionally booked by completing this form, signed and Faxed to CE Marking Association. All courses are run in conjunction with Wemtech. Posting this signed booking form with a cheque made payable to "Wemtech Ltd" makes confirmed bookings:

### Course Details

Course Name	
Course Date	

### Your Company Details

Booking Contact	
Company Name	
Address Line 1	
Address Line 2	
Address Line 3	
Address Line 4	
Post Code	
Telephone	
Fax	
E-mail	

### Delegate Details

Title	First Name	Surname	Job Function

### Price

Unit Price	Qty	Total Price
£650+VAT p/delegate		
£325+VAT members price where applicable		
<b>£50 BSI Certificate of Attendance (optional)</b>	<b>plus VAT at 17.5%</b>	
	<b>Order Total</b>	

Authorised Signature \_\_\_\_\_ Date \_\_\_\_\_

**Booking Conditions** - Payment with order please. Provisional bookings will be accepted and confirmed on receipt of full payment. Bookings cancelled will incur an admin fee of £35 except less than 14 days prior to the course when full fees will be payable. Delegate substitutions may be made free of charge. Wemtech reserve the right to alter amend or cancel where appropriate.