

INTRODUCTION

This course is designed to provide participants with an understanding of the principles of Statistical Process Control (SPC) and the tools and techniques. SPC is an optimisation philosophy concerned with continuous process improvement, using a collection of (statistical) tools for data and process analysis making inferences about process behaviour. SPC is a key component of Total Quality initiatives and ultimately SPC seeks to maximise profit by improving product quality, improving productivity, streamlining process, reducing wastage and reducing variation. SPC is considered one of the core tools of ISO/TS 16949:2009, and is generally required to be used within the Product Realisation process and it is also a key element of the Control step within Six Sigma.

DURATION

1 Day, 09.00 – 16.00

WHO SHOULD ATTEND

This course is suitable for quality professionals, six sigma change agents, lean practitioners and support staff who require a basic understanding of Statistical Process Control tools and techniques and the potential benefits (supported by examples) of understanding process behaviour.

- The course is highly practical and avoids the requirement for a detailed knowledge of statistics
- Managers, Team leaders, Engineers and technicians with responsibility for design, engineering, production and quality
- Senior and line management who are responsible for creating and/or implementing ISO/TS 16949:2009 requirements

COURSE CONTENT

- Understanding Process Variation
- Data Collection & Sampling
- Displaying & Interpreting Data
- Control Chart Basics
- Process Stability & Control
- I-MR Charts
- Process Capability Cp, Cpk
- Calculation of control limits

IN – HOUSE COURSES

Offering better value for money, they can be customised and designed to match your individual specific requirements.

STYLE OF DELIVERY AND COURSE LEADERS

Our course leaders have extensive experience in Automotive Quality Management and auditing to ISO/TS 16949. This wide experience enables them to make the course more interesting by using their relevant examples and case studies during workshop discussions.

CERTIFICATION

All delegates will be awarded a certificate verifying attendance and completion of the course.

