



# Software Quality Assurance

This two day workshop enables you to:

- understand the role of Software Quality Assurance (SQA)
- select appropriate quality standards and procedures for your organisation
- apply tailoring to the organisations QMS for different types of project
- develop a software quality plan for large and small projects

## Objectives

- To show the importance of software quality.
- To explore the key aspects of tailoring a QMS to meet the needs of a software project.
- To enable you to develop a tailored software quality plan for your project.
- To explore the role and responsibility of SQA within an organisation.
- To show how a QMS supports organisational requirements.

## Benefits

This workshop provides the skills you need to define, design and implement software quality activity within your organisation.

You will learn how to:

- define appropriate quality processes for your organisation
- understand the true cost of quality
- to ensure that quality is built into products and projects
- tailor your organisation's standard QMS to meet the needs of individual project
- prepare software quality plans
- define roles and responsibilities of SQA staff

## Workshop Format

Presentations are interspersed with in-class exercises to provide an introduction to applying the techniques. The course material provided comprises all overheads and course notes. Additional handouts are also included.

## Who should attend?

- Software Quality professionals
- Project Managers
- Line Managers
- Software Developers
- all those involved with the development, maintenance and managing of software projects and products.

## Course Contents

- Fundamentals of Software Quality
- The Software Life Cycle
- Effective Quality Control Practices
- Infrastructure and Support Activities
- Establishing an SQA Function
- Metrics and Reports
- Certifying your Quality System
- The SEI Capability Maturity Model for Software (SW-CMM)
- ISO 9000 for Software
- Implementing a Quality System

## Preparatory work

No preparatory work is necessary. However, benefits will be maximised if you:

- Familiarise yourself with any quality procedures within your company.

## Supporting Standards

TickIT Guide  
ISO9001 standard  
Software Capability Maturity Model (SW - CMM)  
ISO 15504 (SPICE)

## Workshop Leader

The seminar will be led by experienced practitioners.