

OVERVIEW

This course provides insights into the API Specification Q1 9th Edition: Specification for Quality Management System Requirements for Manufacturing Organizations for the Petroleum and Natural Gas Industry. This course teaches the stringent requirements of the Q1 Spec and provides attendees with a firm understanding of what is required to achieve certification. Our course offers an in-depth look at the Q1 Spec, focusing on each of the detailed requirements for documentation, records and implementation. Using every day terminology, workshops, and group discussions, we help attendees develop a hands-on understanding that will facilitate the successful implementation of a best in class quality management system.

TARGET AUDIENCE

This course is intended for employees or individuals tasked with implementing a quality management system based on the stringent requirements of API Specification Q1 9th Edition, or those who want to learn about the requirements and understand the level of effort required to implement the Q1 Spec, including:

- CEO/Presidents/Vice Presidents
- Quality Directors/Quality Assurance Managers/Quality Control Supervisors
- Operations Managers, Manufacturing or Production Managers or Supervisors
- Supply Quality Managers, Supply Chain Managers or Supplier Quality Engineers
- ISO Coordinators or Management Representatives

LEARNING OBJECTIVES

- Learn the background and objectives of the API Specification Q1 9th Edition
- Understand the Quality Management Principles
- Understand the Process Approach
- Learn the requirements and implementation steps of the API Specification Q1 9th Edition
- Learn the API Specification Q1 Certification process

DURATION AND CLASS HOURS

The duration of this course is three days, each day from 8:30 AM to 4:30 PM.

PREREQUISITES

The API Specification Q1 9th Edition course is an introductory course designed for individuals with little or no previous knowledge of API Specification Q1 (any edition), ISO 9001 or any quality management systems.

COURSE MATERIALS

Students receive comprehensive course manuals with reference materials, including:

- Presentation information
- Case studies

- Workshop exercises
- Training copy of the spec

LANGUAGES

The full course, including all the workshops, can be taught in English or Spanish.

SUMMARY AGENDA

The topics in this course include:

- API Specifications and Certification Program
- Benefits of a quality management system based on API
- Quality Management Principles
- The Process Approach
- Structure of API Specification Q1 9th Edition:
 - Clause 4: Quality Management Systems Requirements
 - ✓ Quality Management System
 - ✓ Management Responsibility
 - ✓ Organization Capability
 - ✓ Documentation Requirements
 - Clause 5: Product Realization
 - ✓ Contract Review
 - ✓ Planning
 - ✓ Risk Assessment and Management
 - ✓ Design and Development
 - ✓ Contingency Planning
 - ✓ Purchasing
 - ✓ Production and Servicing Provision
 - ✓ Control of Testing, Measuring, and Monitoring Equipment
 - ✓ Product Release
 - ✓ Control of Nonconforming Product
 - ✓ Management of Change (MOC)
 - Clause 6: Quality Management System Monitoring, Measurement, Analysis and Improvement
 - ✓ General
 - ✓ Monitoring, Measuring, and Improving
 - ✓ Analysis of Data
 - ✓ Improvement
 - ✓ Management Review
- Comparison to ISO 9001:2008