

API SPECIFICATION Q1 PRACTITIONER (10TH EDITION)



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Introduction

API Specification Q1 Practitioner (10th Edition) Training Course prepares quality and operations professionals to build, run, and audit a quality management system under the API Q1 standard. Participants work through the standard's structure, the tenth edition requirements, risk assessment and contingency planning, product realisation and design, purchasing and supplier controls, inspection and testing, nonconformity handling, and management review as one connected system. The programme links the standard's clauses with the documented evidence an auditor expects. As a result, learners gain a practical, clause-level command of API Q1. Furthermore, the course strengthens risk discipline, documentation quality, and audit readiness.

API Specification Q1 Practitioner (10th Edition) Course Objectives

- Explain the API Q1 framework, scope, and its role in the oil and gas supply chain.
- Apply the 10th edition structure and the key changes from earlier editions.
- Apply quality management system planning and risk assessment requirements.
- Apply contingency planning and business continuity requirements.
- Apply product realisation, design, and development controls.
- Apply purchasing, supplier evaluation, and external provider controls.
- Apply production, calibration, inspection, and testing requirements.
- Apply control of monitoring and measuring equipment and traceability.
- Apply nonconformity handling, corrective action, and root cause analysis.
- Apply management review, internal audit, and API monogramme practices.

Course Methodology

- Interactive sessions built on API Q1 implementation and audit cases.

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- Workshops on clause mapping, risk assessment, and contingency planning.
- Group exercises on supplier evaluation, nonconformity handling, and audits.
- Hands-on practice with QMS documentation, audit checklists, and risk registers.
- Simulation of an API Q1 internal audit and a management review.
- Facilitator coaching and peer review on personal implementation plans.

Who Should Take This Course

- Quality managers, engineers, and QMS coordinators in oil and gas supply.
- Manufacturing and service company quality assurance staff.
- Inspection, testing, and calibration personnel.
- Purchasing and supplier quality professionals.
- Internal auditors covering quality management systems.
- Consultants advising on API Q1 implementation and certification.

API Specification Q1 Practitioner (10th Edition) Course Outlines

Day 1: API Q1 Framework and 10th Edition Overview

- Purpose, scope, and application of API Specification Q1.
- The oil and gas supply chain and where Q1 applies.
- Structure of the standard and its clause architecture.
- Key changes introduced in the 10th edition.
- Relationship to ISO 9001 and other quality standards.
- Certification, licensing, and API monogramme basics.
- Case discussion: a nonconformance that halted supply.





Day 2: QMS Planning, Risk, and Contingency

- Quality policy, objectives, and management commitment.
- Quality management system planning requirements.
- Risk assessment and risk management in Q1.
- Contingency planning and business continuity.
- Organisational structure, responsibilities, and competence.
- Documentation, records, and control of documents.
- Workshop: building a risk and contingency register.

Day 3: Product Realisation and Design

- Product realisation planning and control.
- Design and development inputs, outputs, and review.
- Design verification, validation, and changes.
- Process validation and special processes.
- Production and service provision controls.
- Identification, traceability, and preservation of product.
- Exercise: mapping design controls to Q1 clauses.

Day 4: Purchasing, Inspection, and Measuring Equipment

- Purchasing requirements and supplier selection.
- Supplier evaluation, monitoring, and re-evaluation.
- Verification of purchased product and external providers.
- Inspection and testing at receipt, in-process, and final.

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- Control of monitoring and measuring equipment.
- Calibration, verification, and traceability requirements.
- Simulation: evaluating a supplier and reviewing calibration records.

Day 5: Nonconformity, Audit, and Management Review

- Control of nonconforming product and disposition.
- Corrective action, preventive action, and root cause analysis.
- Internal audit planning, execution, and reporting.
- Management review inputs, outputs, and decisions.
- Performance measurement and continuous improvement.
- Preparing for API audits and maintaining certification.
- Capstone: presenting an API Q1 implementation and audit-readiness plan.

Conclusion

By successfully completing API Specification Q1 Practitioner (10th Edition), participants will gain a practical command of the Q1 framework, the 10th edition requirements, risk and contingency planning, product realisation and design, purchasing and supplier controls, inspection and measuring equipment, nonconformity and corrective action, and audit and management review. They will acquire skills in clause interpretation, risk register building, supplier and calibration control, and audit readiness that support certification. Gentex Training Center designs the programme to help professionals implement API Q1 with confidence.

FAQs





Q1 What is the "API Specification Q1 Practitioner (10th Edition)" course about?

It prepares quality and operations professionals to build, run, and audit a quality management system under the API Q1 standard. The course spans the Q1 framework and 10th edition overview, QMS planning, risk and contingency, product realisation and design, purchasing, inspection and measuring equipment, and nonconformity, audit and management review.

Q2 What are the key benefits of the "API Specification Q1 Practitioner (10th Edition)" course?

You gain a practical, clause-level command of API Q1 that links the standard's requirements with the documented evidence an auditor expects. The course improves risk and contingency planning, strengthens product realisation and supplier control, sharpens inspection and calibration practice, and gives you nonconformity handling and audit readiness that protect certification.

Q3 What skills will I gain from the "API Specification Q1 Practitioner (10th Edition)" course?

You will develop four core skills: API Q1 clause interpretation and application, risk and contingency planning with QMS documentation control, product realisation, purchasing and supplier evaluation, and inspection, calibration and nonconformity handling with audit and management review practice.



Q4 What tools, methods, or standards are covered in the "API Specification Q1 Practitioner (10th Edition)" course?

The course covers the purpose, scope and application of API Specification Q1, the oil and gas supply chain context, the standard's clause architecture, the key changes of the 10th edition, its relationship to ISO 9001, certification and licensing and API monogramme basics, quality policy and objectives and management commitment, quality management system planning, risk assessment and risk management, contingency planning and business continuity, organisational structure and responsibilities and competence, documentation and records and control of documents, product realisation planning and control, design and development inputs, outputs and review, design verification, validation and changes, process validation and special processes, production and service provision controls, identification, traceability and preservation of product, purchasing requirements and supplier selection, supplier evaluation, monitoring and re-evaluation, verification of purchased product and external providers, inspection and testing at receipt, in-process and final, control of monitoring and measuring equipment, calibration, verification and traceability, control of nonconforming product and disposition, corrective and preventive action and root cause analysis, internal audit planning, execution and reporting, management review inputs, outputs and decisions, performance measurement and continuous improvement, and preparing for API audits and maintaining certification.

Q5 How is the "API Specification Q1 Practitioner (10th Edition)" course applied in real-world practice?

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Participants apply it to real work such as interpreting Q1 clauses for a process, building a risk and contingency register, mapping design controls to the standard, evaluating and re-evaluating a supplier, reviewing calibration and traceability records, raising and closing a nonconformity with root cause analysis, and preparing documentation for an API audit. The same methods support management review and certification maintenance.

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