Project &Quality Management · PQ134

Commissioning & Start-Up with API RP 1FSC Foundation

Madrid · 28 Dec 2026 - 1 Jan 2027

Date	Venue	Duration
28 Dec 2026 - 1 Jan 2027	**Madrid**	**1 Week**
Fee	Ref	Language
£5,000 GBP	**PQ134**	**English**

Introduction

This Commissioning & Start-Up with API RP 1FSC Foundation Training Course will show you how to succeed during the project's defining phase.

Did you know that, in the eyes of an investor, the Commissioning & Start-Up (CSU) phase determines whether a project is a success or a failure?

When a project is fully commissioned and operational, it is likely that it will be a financial success, with investors receiving their anticipated returns.

It is highly unlikely that a project will ever be financially successful if it has not been fully commissioned and started-up. The project could be a disaster from the standpoint of an investor.

Why don't more project managers who have a few years of experience already know this?

It could be due to a lack of training and education to develop essential skills and knowledge, which still exists for several Operators and Contractors... for the time being.

This training course answers crucially important questions and can highlight:

- What is Commissioning?
- What is Systems Completion?
- When and the way should Construction transition from Areas to Systems?
- How should I perform as a Commissioning & Start-Up (CSU) team member or stakeholder?
- What does project Success or project Failure look like?
- What are the Critical Success Factors for Commissioning & Start-Up?

Course Objectives of Commissioning & Start-Up with API RP 1FSC Foundation

At the top of this training course, you'll find out how to:

- Achieve successful Commissioning & Start-Up (CSU) on any project
- Justify a allow Commissioning & Start-Up (CSU)
- Apply the Systemization process and formulate the Start-Up sequence of priority Systems
- Perform Gap Analysis and skills to use the results
- Plan and execute specialist off-site Pre-Commissioning
- Persuade major stakeholders like Construction, successful within the Commissioning & Start-Up (CSU) process

The overall learning objective is for course followers to become knowledgeable in Systems Completion and conversant in vital strategies for successful Commissioning and Start-Up of projects, on time and safely, embedded within the rules of API Recommended Practice

Course Methodology of Commissioning & Start-Up with API RP 1FSC Foundation

Training is conducted in a classroom setting to reinforce learning outcomes for the scholars. With attention on experiential and problem-based training applying interactive methods, students are encouraged to reflect and feedback for the aim of continuous learning and improvement.

Organizational Impact of Commissioning & Start-Up with API RP 1FSC Foundation

Commissioning & Start-Up isn't well understood, aside from by people who are practitioners, however the successful outcome of your project is entirely hooked in to it being performed well. The training provided during this course is exclusive and can equip your employees with the essential skills they're going to got to actively participate in Commissioning & Start-Up (CSU) or knowledgeably support the method as a stakeholder.

Personal Impact of Commissioning & Start-Up with API RP 1FSC Foundation

At the top of this training course, you'll find out how to:

- Achieve successful Commissioning & Start-Up (CSU) on any project by applying the critical success factors
- Justify a allow Commissioning & Start-Up (CSU)
- Apply the Systemization process and formulate the Start-Up sequence of priority Systems
- Perform Gap Analysis and skills to use the results
- Persuade major stakeholders like Construction, to achieve success within the Commissioning & Start-Up (CSU) process

Target Audience of Commissioning & Start-Up with API RP 1FSC Foundation

This training course is suitable for a good range of execs but will greatly benefit:

- Commissioning Managers
- Commissioning Engineers
- Commissioning Superintendents

- Commissioning Supervisors
- CSU Leads
- Process Engineers
- Maintenance Engineers
- QA/QC Engineers
- Technical Support Engineers
- Safety Engineers
- Field Operators
- Maintenance Technicians
- Safety Officers

This training course is additionally highly recommended to all or any involved in Systems Completion, Pre-commissioning, Commissioning, Startup, and handover process of the latest plants.

Course Outlines of Commissioning & Start-Up with API RP 1FSC Foundation

DAY 1

Course Overview and Phase 1 – Preparation

- Influence Curves and Planning
- Safety & Environmental Considerations
- Setting a allow CSU
- Gap Analysis

DAY 2

Phase 1 – Preparation

- Class Discussion Case Study
- The Commissioning Manager & Commissioning & Start-Up (CSU) Team
- Risk Assessments
- Systemization, Completions Pyramid, Start-Up Sequence, Turnover Process

DAY 3

Phase 1 – Preparation

- Introduction to Systemization, battery limits on P&IDs - Getting Stakeholder Agreement
- Introduction to System Priority Sequence for Initial Start-Up - Getting Stakeholder Agreement
- Dynamic Commissioning Procedures

DAY 4

Phase 2 – Implementation

- Progress Tracking & Reporting
- Factory Acceptance Testing and Preservations
- Tags, Check sheets, Certificates and Punch Listing
- Specialist Subcontractors for Cleaning, Drying, Leak Testing and Oil Flushing
- Completions Pyramid and Turnover Process

DAY 5

Phase 3 – Closeout

- Pre-Start-Up Safety Review (PSSR) and Management of Change
- Handover to Operations
- Lessons Learned
- Planning for First Shutdown
- Critical Success Factors in Commissioning & Start-Up (CSU)

Register or ask about this course online
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