BOOST
THE LEADING TRAINING PROVIDER

Quality Management & Operational Excellence

ISO 28590: 2017 – Lead Auditor

Course Introduction

An acceptance sampling method allows for continuous control of the quality of products. It is a statistical procedure, used in quality control, which involves testing a batch of samples to determine if the proportion of units having a particular attribute exceeds a given percentage, and are thereby accepted or rejected. This course training course is designed to provide participants with an introduction of Acceptance Sampling and the standards of ISO 28590:2017 and ISO 3951. This course will cover topics such as aim of sampling inspection, the ISO 2859 series, and concepts relative to ISO 3951.

Target Audience

- practitioners in quality and audits

- Senior members and managers of organisations who need to understand the significance of training employees on quality management

- Quality team members

- Professionals aspiring to undertake a quality-related certification

- Construction project owners

- Design consultants

- Construction contractors

Architects

Non-engineering construction professionals

Learning Objectives

- Gain a comprehensive understanding of the ISO 28590:2017 and ISO 3951 standards
- Learn the statistical bases necessary to understand sampling
- Interpret an efficiency curve to assess the quality of a sample

- Know all control strategies - including the most modern
- Define an optimal sampling control strategy

Course Outline

- **01 DAY ONE**

  Introduction to ISO 28590:2017 and ISO 3851

  - General Introduction to Acceptance Inspection
  - Aim of Sampling Inspection
  - Acceptance Sampling
  - Other inspection Practices
  - Statistical Sampling
  - Ad Hoc Sampling
  - 100% Inspection
  - Concepts of AQL and LQ
- **02 DAY TWO**

  The ISO 2859 Series

  - ISO 2859-1 Sampling Schemes indexed by AQL for lot-by-lot inspection
  - ISO 2859-2 Sampling plans indexed by LQ for Isolated lot inspection
  - ISO 2859-3 Skip lot Sampling Procedures
  - ISO 2859-4 Procedures for Assessment of Declared Quality Levels
  - ISO 2859-5 System of Sequential Sampling plans indexed by AQL for lot-by-lot inspection
- **03 DAY THREE**

  Introduction to ISO 3851

  - **Descriptive statistics continuous laws**
  - Origin of Gauss's law
  - The parameters of a Gaussian law
  - Use the Gauss model
  - Validate the normality hypothesis
- **04 DAY FOUR**

Descriptive statistics continuous laws - Deepening

- ◦ Gaussian law parameters, additivity and confidence interval
- ◦ Student's Law
- ◦ Complements on normality analysis
- **05 DAY FIVE**

Control Plan by Sampling to Measurements

- ◦ The principle of a measurement control plan
- ◦ The ISO 3951 standard
- ◦ The different types of sampling (method S and method s)
- ◦ Performing a measurement check

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
June 30, 2025	July 4, 2025	5 days	4950.00 $	Spain - Madrid
Sept. 1, 2025	Sept. 5, 2025	5 days	4250.00 $	UAE - Dubai
Dec. 1, 2025	Dec. 5, 2025	5 days	4250.00 $	UAE - Dubai