



Consulting and Training | Reach New Heights

Course Name

ISO 28590: 2017 - Lead Auditor

Sector Name

Quality Management & Operational Excellence

Document Type

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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 training course is designed to provide participants with an introduction to Acceptance Sampling and the standards of ISO 28590:2017 and ISO 3951. This course will cover topics such as the aim of sampling inspection, the ISO 2859 series, and concepts related to ISO 3951.

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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

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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

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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

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Course Outline

✓ 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

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Course Outline

✓ 03 DAY THREE

Introduction to ISO 3851

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

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Course Outline

✓ 04 DAY FOUR

Descriptive statistics continuous laws - Deepening

- ✓ Gaussian law parameters, additivity, and confidence interval
- ✓ Student's Law
- ✓ Complements on normality analysis

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Course Outline

✓ 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

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Confirmed Sessions

FROM	TO	DURATION	FEE	LOCATION
July 6, 2026	July 10, 2026	5 days	4950.00 \$	Spain , Madrid
Sept. 7, 2026	Sept. 11, 2026	5 days	4250.00 \$	UAE , Dubai
Dec. 7, 2026	Dec. 11, 2026	5 days	4250.00 \$	UAE , Dubai
April 5, 2027	April 9, 2027	5 days	4250.00 \$	UAE , Abu Dhabi

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