SQT

TRAINING THAT DEVELOPS
REAL CAPABILITY











Acceptance Sampling (including AQL selection)

CPI001

Acceptance Sampling (including AQL selection)

Acceptance sampling is a widely used technique for the inspection of incoming and outgoing product. Sampling standards, such as ANSI/ASQ Z 1.4 for inspection by attributes, are used to select sample sizes. The sampling standards are based around the concept of the AQL (Acceptable Quality Limit). It is important that the AQL is suitably established, and that the appropriate sample sizes are chosen so that correct decisions are made on the acceptance or rejection of lots. This course will provide detailed information on the correct procedures to be followed in choosing samples sizes.

Duration & Price

Duration: 1 day
Public Virtual Training: £375
Delivery mode: This programme is available In-Company, and via Public Virtual Training

Dates & Locations

Date	Venue	
15 Feb 2027	Virtual	Book Date

In-Company Training

Please contact us for more information on our In-Company training options

What's covered?

- Introduction to the statistics relevant to inspection by attributes and variables
- Explanation of sampling inspection system terminology including; acceptance quality limit (AQL), inspection levels, attributes, variables, probability of acceptance, operating characteristic (OC), random sampling
- The correct approach to determining the acceptance quality limit (AQL)
- Identifying the appropriate inspection level and sample sizes in the sampling tables
- Exercises in the use of the sampling tables selecting the appropriate sampling plans for inspection by attributes and variables. How the tables are used to decide on acceptance or rejection of a lot
- How to correctly use the switching rules for optimum effectiveness

Most of the course time will be devoted to the standard for inspection by attributes, as this is the standard most commonly used in industry. However, examples from the standard for inspection by variables will also be studied, and the circumstances in which the standard for inspection by variables is used will be explained.

Who should participate?

- Staff who have responsibility for selecting sample sizes for inspection of incoming or outgoing lots of product
- Quality engineers and quality auditors
- Quality assurance staff responsible for setting acceptable quality limits (AQL's)

What will I learn?

Participants achieve the following learning outcomes from the programme;

- Select sampling sizes for inspection using the international sampling plans, such as ANSI/ASQZ1.4, ISO 2859, or BS 6001
- Implement sampling procedures based on AQL's
- Demonstrate understanding of the switching rules and use of the normal, tightened and reduced sampling tables

How do we train and support you?

Course Manual

Delegates will receive a very comprehensive course manual, which explains the statistics underlying sampling plans, describes in detail how the sampling tables for both attributes and variables are used, incorporates worked examples of selecting appropriate sampling plans for given AQL's, and shows how the switching rules are correctly used. The manual will contain copies of the relevant tables from the current versions of ANSI/ASQ Z1.4 and the ANSI/ASQ Z 1.9 standards.

Tutors



Albert Plant
View Profile



Grainne Heneghan
View Profile

What Our Learners Say

We believe in excellence through transparency and continuous improvement. That's why we invite all our delegates to share their experiences on CourseCheck.com, an independent platform dedicated to genuine, unfiltered feedback. Learner insights help us not only to enhance our training programmes but also empower potential learners to make informed decisions. Click on the link below to read firsthand experiences and testimonials from past learners.

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SQT TRAINING THAT DEVELOPS *REAL* CAPABILITY

SQT provide a unique combination of high quality, accredited, practical training delivered by leading industry experts and supported by the most up to date learning technology and tools

LEAN SIX SIGMA, PROCESS & PROJECT MANAGEMENT

- Lean Six Sigma
- Join our Lean Six Sigma Network
- Continual Process Improvement
- Project & Programme Management

COMPLIANCE, STANDARDS & AUDITING

- Quality
- Environment & Energy Management
- Health & Safety
- Food Safety
- Life Sciences
- Laboratory
- Integrated Management Systems

LEADERSHIP & PERSONAL DEVELOPMENT

- Leadership & Personal Development
- Train the Trainer

QQI AWARD | IEMA APPROVED | CompEx Part of the JTL Group | FSPCA FOOD SAFETY PREVENTIVE CONTROLS ALLIANCE | CQI IRCA APPROVED TRAINING PARTNER | Chartered Institute of Environmental Health

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