

AIAG CQI-15 4th Edition – Welding System Assessment

This training is designed to equip participants with the knowledge and skills required to independently and effectively evaluate welding processes in line with the **AIAG CQI-15 (2nd Edition) standard**. Attendees will gain a solid understanding of key requirements, audit techniques, and process control methods critical for quality assurance in welding.

Training agenda:

1. Definition of special processes according to the requirements of ISO, IATF, and AIAG
2. CQI-15 Welding System Assessment as a Customer Specific Requirement
3. Requirements and Process Evaluation
4. Welding System Assessment – Auditor Qualifications
5. Special Process Characteristics
6. CQI-15 Requirements Overview (Sections 1–5) in Terms of Welding Processes:
 - Personnel Responsibility and Quality Planning
 - Process – Material Flow
 - Equipment and Controls
 - Tools and Tooling
 - Process Controls and Confirmation
 - Process Tables

Training Addressees:

Managers:

- Directors
- Managers

- Area Leaders

Specialist Staff:

- Process Engineers
- Quality Specialists
- Quality Controllers
- Maintenance Specialists
- Employees in Direct Contact with the Client Representative

Benefits to the company:

Acquiring knowledge for correct and independent evaluation of welding systems

Participants will learn how to independently assess welding systems in accordance with AIAG CQI-15 (2nd Edition).

Auditing in accordance with AIAG CQI-15 (2nd Edition)

Training covers auditing procedures, criteria, and best practices based on the latest edition of the standard.

Managing process and quality documentation in the welding process

Emphasis on proper handling, structuring, and maintaining of quality and process-related documents.

Managing changes in the welding process

Understanding how to effectively control and document process changes to maintain stability and compliance.

Ensuring proper machine supervision and spare parts availability

Focus on maintaining production continuity through equipment monitoring and inventory of critical spare parts.

Gaining basic knowledge of APQP, PFMEA, PPAP, SPC, and Problem Solving

Introduction to key quality tools and methodologies relevant to welding process planning and improvement.

Training Benefits:

Enhanced Knowledge and Skills

The training equips participants with in-depth knowledge and practical skills related to welding system assessment. Participants will gain a comprehensive understanding of key elements, processes, and techniques involved in evaluating welding systems.

Improved Quality Control

Participants will learn how to effectively assess welding systems, identify potential issues or inefficiencies, and implement corrective actions. This leads to improved quality control and increased confidence in welding processes.

Compliance with Industry Standards

The training ensures participants are familiar with current industry standards and guidelines for welding system assessment. This supports compliance with regulations, certifications, and customer-specific requirements.

Reduction in Defects and Rework

By applying the techniques learned during the training, participants will be able to detect and resolve potential issues early, reducing defects, rework, and scrap—ultimately lowering costs and boosting productivity.

Standardization and Documentation

Emphasis is placed on establishing standardized assessment procedures and maintaining proper documentation. This enhances consistency, traceability, and accountability within the organization.

Duration: 1 day

Price:

Available directly on the webpage

In case of 2 or more participants from the same plant offer 10% discount on the second and all other participants.

To organize in-house training sessions or internal online sessions for companies, please get in touch with office.

Upon client request, the training can be extended with an additional workshop day.

The price includes:

- Participation in the training
- Training materials
- Certificate