

CQI-17 Special Process: Electronic Assembly Manufacturing- Soldering System Assessment (EAM-SSA), Training Programme Outline

Course Overview

The CQI-17 Special Process: Electronic Assembly Manufacturing- Soldering System Assessment (EAM-SSA), 2nd Edition is a comprehensive standard developed by the Automotive Industry Action Group (AIAG) specifically for assessing soldering processes used in electronic assembly manufacturing. This updated edition builds upon the foundation of the first edition and incorporates new industry advancements, best practices, and technological innovations. Overall, the CQI-17 Special Process: (EAM-SSA), 2nd Edition provides a robust framework for evaluating and enhancing soldering processes, helping organizations meet the stringent quality requirements of the automotive industry and other electronic manufacturing sectors.

Who should attend?

Participants from technical background, related to Soldering process, like Production Team, QA / QC Team, Operations Team, Project Managers / Leader / Engineers, Maintenance Team, etc.

Course Duration – 02 Days

Organizational Objective or benefits

1. To have a team with complete understanding of CQI 17 requirement.
2. Standardization of Soldering Process within the organization
3. Quality Improvement in Soldering Process by understanding and implementing the CQI 17 Requirements. Compliance with Industry standard, CQI-17.
4. Risk Reduction in the process & Increased efficiency in Production.

Learning / Program objective

- To Understanding the CQI 17 Requirements and Interpreting the Standards and Guidelines
- To evaluate the CQI 17 Process and Identifying Non-Conformances later on implementing the appropriate actions to fill the gaps.
- To Implement the Best Industry Practices
- To carryout Documentation and Reporting activities

Training methodology & Benefits

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- Class room activity based (Inhouse & Public Course)
- Group discussion

Body of Knowledge / Contents

- Soldering as a Special Process, General Overview, Process History, Details, Examples and Troubleshooting.
- **Cover Sheet**
Basic data of the Electronic Assembly Manufacturing-Soldering organization Audited areas according to the respective CQI-17 process table Contact data (auditor, company, participants) Results of the CQI 17 audit
- **Audit Elements Section 1-2**
Section 1: Management Responsibility and Quality Planning
Section 2: Floor and Material Handling Responsibility
Section 3: Equipment
Section 4: Job Audit
- **Job Audit**
Basic data concerning the audited product Process Annexures Equipment

Process Tables as applicable to the client process will only be discussed.

Process Table A:

Process Table B:

Process Table C:

Process Table D:

Process Table E:

Process Table F:

Process Table G:

Process Table H:

Process Table I:

Process Table J:

Process Table K:

Process Table L:

Process Table M:

Process Table N:

Process Table O:

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- Questions concerning the process flow
- Customer-specific requirements concerning the product
- Operator and quality responsibility
- Packaging requirements
- Transport requirements
- Q&A

Take away for participants

- Presents a hands-on exercise to learning the CQI 17 Soldering as a special process
- Obtaining consistent, reliable and reproducible results in the process, thus meeting the end reliability objective of soldered component

Standard edition details: CQI Standard latest edition (2nd Edition) will be used during the training

Certificate

Certificate of successful completion shall be issued to all the delegates who attend entire duration of the course & pass the examination.