



1st ONLINE TRAINING

ASME IX "WELDING QUALIFICATION" CODE SIMPLIFIED

PREPARES DELEGATE FOR THIS CERTIFICATION EXAM:

* **IICS 3.3 PERSONNEL REVIEWING WELDING PROCEDURES & WELDER CERTIFICATIONS
IN ACCORDANCE TO ASME SECT. IX**

COURSE DURATION: 6 SESSION (MAX 4 HOURS PER SESSION)

Master the best practices of ASME IX Welding Qualifications Code to reduce costs, improve plant reliability & productivity, facilitate trade and prevent environmental hazard.

COURSE DESCRIPTION

This course gives participants coming from **Engineering, Manufacturing, Repair and Testing** Companies a comprehensive overview about the ASME IX Code "Welding Qualifications" and prepares them to fully comply with Code Requirements.

After completion of this workshop-like training course the participants will be able to handle **code-related welding certification tasks** like creating and interpreting WPS, PQR, WPQ etc. Understanding and interpreting the Code requirements correctly makes project executions and the company's operation more efficient and profitable.

Participants can now pursue **IICS 3.3 Personal Reviewing Welding Procedures and Welder Certifications** with the international certification body, IICS.



Log in to www.international-inspector-certification.com for more information about IICS.

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HRD Approved "Class A" Training Provider (since Year 2002). Registered with Ministry of Finance



COURSE OBJECTIVES

The course provides participants with the knowledge necessary to:

- ✓ Understand and Interpret code requirements and effectively use the ASME IX code.
- ✓ Effectively make cross-references to internal and external code requirements.
- ✓ Encourage participants to take all necessary precaution in preparing, executing, reviewing and interpreting welding qualification documents in reference to ASME VIII and various other codes and standards like "The National Board Inspection Code", API-510 (Pressure Vessel), API 570 (Piping Systems), API-653 (Storage Tanks) etc..

COURSE OUTLINE

DAY 1

1) Welcome & Introduction

2) Introduction into the ASME System

- Purpose of the Code
- Scope of the Code

3) Structure of Section IX

- Organization of the Code
- Responsibilities
- Key terms discussed in the Code

4) Welding Processes

- Different Welding Processes
- Workshop

5) Welding Joint Design / Welding Positions

- Butt welds / Fillet welds / other designs
- Understand different welding positions
- Workshop

6) Welding Consumable acc. ASME II, Part C

- Types of Electrodes
- Electrode Classification System
- Electrode Storage
- Shielding Gases
- Fluxes
- Workshop



WHO SHOULD ATTEND?

- Pressure equipment Manufacturer
- Inspectors of Plant Construction
- Inspection companies
- Engineers working in refineries, chemical, industrial & gas plants and oil fields.

COURSE DURATION

- 6 Sessions (max 4 hours per sessions)

TRAINING SCHEDULE

- Friday to Sunday
(3 session / week)

DAY 2 & 3

7) Welding Procedures

- 5 Steps of developing a WPS
- Essential, Supplementary & Nonessential Variables
- PQR
- Mechanical Testing
- Range of Qualification
- Changes of welding parameters
- Workshop

8) Welder Qualifications

- Qualification
- Essential & Nonessential Variables
- Test pieces
- Methods of testing
- Welding Continuity List
- Workshop

DAY 4

9) Practical exercises

- Review of WPS
- Review of WPQ

10) Certification Exam



REMARKS:

- Digital copy of course notes will be given to participants prior to training date.
- A training guideline will be given to participant to facilitate better learning experience