



## ASME IX "WELDING QUALIFICATION" CODE SIMPLIFIED

PREPARES DELEGATE FOR THIS CERTIFICATION EXAM:

\* **IICS 3.3 PERSONAL REVIEWING WELDING PROCEDURES & WELDER CERTIFICATIONS**

**COURSE DURATION: 4 DAYS**

**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](http://www.international-inspector-certification.com) for more information about IICS.

**REACH US Today for Greater Safety, Quality, Reliability, Productivity, Profitability**  
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

- 4 Days Training

### DAILY SCHEDULE

- 8:30am - 5:30pm

### ITEMS TO BRING

- **ASME IX (welding part only, Edition 2015 recommended) - Hardcopy**
- Lots of Questions
- A "CAN-DO" Attitude

**Stationeries such as pen and highlighter will be provided.**



## 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

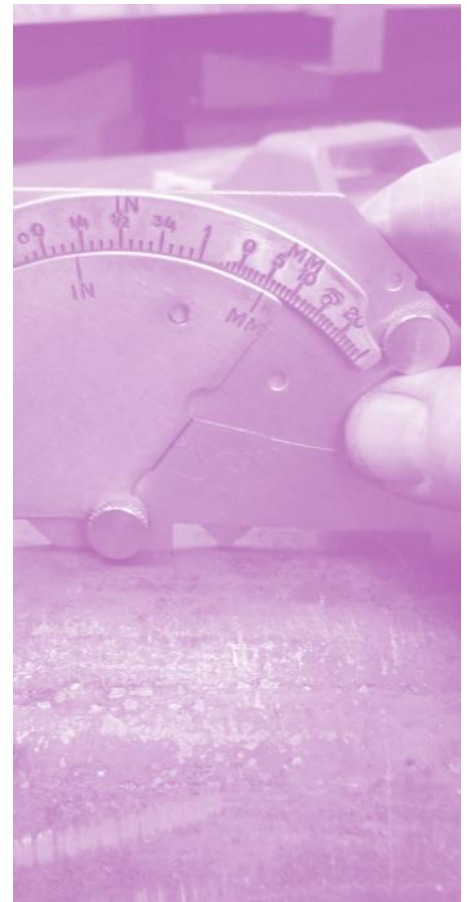
- Qualification
- Essential & Nonessential Variables
- Test pieces
- Methods of testing
- Welding Continuity List
- Workshop

## DAY 4

### 9) Practical exercises

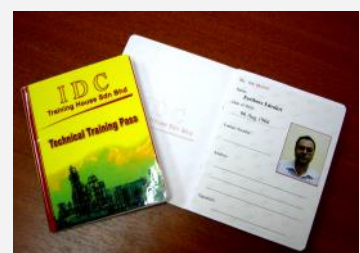
- Review of WPS
- Review of WPQ

### 10) Examination (3 hours)



**BONUS !!!**

**Color tabs, checklists & Technical Training Passes will be provided**





## TRAINER'S PROFILE

# MOHD FAISAL YUSOF

**Mohd Faisal joined TWI in 2001 after spending 17 years in the welding and gas industry and 2 years in teaching in technical subject in University of Kuala Lumpur.**

Originally trained as a welding instructor and lecturer, Faisal gained training in European Welding Engineer, technologist and specialist at TWI UK. His early experience was spent on the development and maintaining quality of welding machines and gases in Oil and Gas industries and development of welding procedure and customer services.

Faisal was a training manager before he left TWISEA for welding inspection courses in South East Asia including Indonesia, Singapore, Philippine and Vietnam.

## EDUCATIONAL QUALIFICATIONS

- ✓ Diploma in Welding Engineer (TWI/IIW U.K)
- ✓ Diploma in welding Technology (TWI/IIW U.K)
- ✓ Diploma in Welding Specialist (European Welding Federation)
- ✓ Diploma in International Welding Specialist (International Institute of Welding)
- ✓ Diploma in Welding (TWI U.K)
- ✓ Diploma in European Inspection Specialist (European Welding Federation)
- ✓ Diploma in European Inspection practitioner (European Welding Federation)
- ✓ Registered Senior Welding Inspector.
- ✓ CSWIP Senior Welding Inspector 3.2
- ✓ Registered Welding Inspector.
- ✓ CSWIP Welding Inspector 3.1.
- ✓ CSWIP Welding Inspector 3.0
- ✓ CSWIP Radiographic Interpretor 3.4 (A and B group)
- ✓ Certificate in Electrical Engineering (Industrial Training Institute)

## ACHIEVEMENTS

- ✓ Elite student for Welding Technology course in University of Kuala Lumpur
- ✓ Speaker for Institute of Engineer Malaysia
- ✓ Selected as an examiner for international certification scheme for CSWIP, IIW / EWF and TWI courses

## KNOWLEDGE & SKILLS

- Welding processes
- Material and behavior (metallurgy)
- Design and construction
- Welding Inspection
- Welding Technology
- Fabrication and Application
- Electrical Engineering
- Non destructive Testing



## TRAINER'S PROFILE

# LUTZ SEIBT

**Lutz Seibt has more than 20 years hands-on experience as an Authorized Inspector and Auditor acc. to German Pressure Vessel (AD Merkblaetter), Boiler (TRD) and Storage Tanks Codes, Pressure Equipment Directive (PED), Transportable Pressure Equipment Directive (TPED) and European Construction Material Directive; 9 years out of it within TUV's International Business Unit in Asia Pacific.**

He has conducted numerous training sessions related to Pressure Equipments (based on American and European standards) in Malaysia, Singapore, Korea, China, Thailand and Vietnam.

## TECHNICAL QUALIFICATIONS

- ✓ Certified International Welding Engineers (International Institute of Welding - IIW, Germany)
- ✓ Certified API 510 Pressure Vessel Inspector
- ✓ Certified API 570 Piping Inspector
- ✓ Certified API 577 Advanced Welding Inspection & Metallurgy Professional
- ✓ Certified Pedestal Crane Inspector acc. to API RP 2D (Cranetech Training & Inspection, Inc., USA)
- ✓ Certified Safety Engineer (Fachhochschule Frankfurt, Germany)
- ✓ Environmental Auditor (Technical Academy Esslingen, Germany)
- ✓ Bachelor Degree – Motor Vehicle Engineering

## SPECIAL SKILLS

- ✓ Inspector for periodical inspection & certification of
  - \* Pressure vessels, Steam boilers, Piping Systems
  - \* Cranes, Hoisting equipment, Hoisting equipment of lifeboats
- ✓ Inspector for third party & welding inspection and QA/QC in manufacturing / construction of
  - \* Pressure vessels, Steam boilers, Piping Systems

## COURSES CONDUCTED

- API 510 Pressure Vessel Inspector
- API 570 Piping Inspector
- API 577 Advanced Welding Inspection & Metallurgy Professional cum IDC Welding Inspector
- ASME IX "Welding Qualification"
- ASME VIII Division 1 "Pressure Vessel"
- European Pressure Equipment Directive (PED) 97/23/EC Simplified
- IDC Piping Specialist - Part 1: ASME B31.3 Process Piping
- Leak or Pressure Testing of Pressure Equipment
- Material Certificates (EN10204 / EN10168 / ISO10474)
- Welding & NDT Symbols (AWS / ISO Code)

