

# ASME IX Code

## "Welding Qualifications" Simplified



### INTRODUCTION

This course gives participants coming from Engineering, Manufacturing, Repair and Testing Companies a comprehensive overview about the ASME IX Code "Welding Qualification" 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. In understanding and interpreting the Code requirements correctly makes project executions and the company's operation more efficient and profitable.

### WHO SHOULD JOIN

This class is designed for Pressure equipment Manufacturer, Inspectors of Plant Construction & Inspection companies, Engineers working in refineries, chemical, industrial & gas plants and oil fields.

### SPEAKER'S BACKGROUND

**Mr. Lutz Seibt** is presently the Director of IDC Plant Technology Sdn Bhd. He has 16 years hand-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 given training sessions on Pressure Equipments and German Pressure Vessel Standards for instance in Malaysia, Singapore, Korea and China. The recent trainings he has conducted in year 2008 include:-

- ◆ European Pressure Equipment Directive
- ◆ ASME IX Code "Welding Qualifications" Simplified
- ◆ ASME VIII Division 1 "Pressure Vessel Calculation & Design"
- ◆ ASME VIII Division 1 "Pressure Vessel" Code Simplified

### 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 the 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..

### TESTIMONIAL

*"What I like most about the Training is the SIMPLIFICATION."*

*"After explained by the Trainer, I am more familiar with the ASME code. I found that ASME is not as difficult as we thought. Makes our life simpler and easier."*

*"Before I attend this Training, my knowledge about ASME is very poor. Now, I am self-motivated to get to know more about ASME, quite interesting."*

*"The presentation material is neat and almost complete; especially the little note given to stick onto the ASME code, very helpful!"*

*"Putting the color tabs on the codes make it simpler to look into. Presentation by Lutz is good and understandable."*

*"The lesson is quite interesting!"*



For more information, please contact

IDC TRAINING HOUSE SDN BHD

TEL: 03-7956 5126

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

# ASME IX Code

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### 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

### DAY 2

- 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 3

- 9) **Practical exercises**
  - ◆ Review of WPS
  - ◆ Review of WPQ
- 10) **Examination (3 hours)**

### BRING TO CLASS

#### Students should bring to class:

- ◆ ASME IX (2007) - Hardcopy
- ◆ A calculator
- ◆ Lots of questions and a "CAN-DO" attitude.

### CLASS SIZE

Enrollment is limited to 20 students.

### DAILY SCHEDULE

**3 DAYS ~ 9:00a.m. – 5:00p.m. (Workshop)**

**Day 1 Registration from 8:30a.m.**



# ABOUT IDC TRAINING HOUSE

# IN-HOUSE TRAININGS AVAILABLE

**IDC Training House** is a leading Training Provider for corporate & government sectors; to both local & international market. Our strength lies in providing Trainers who are highly experienced & knowledgeable in their respective fields; in order to produce well-trained and qualified professionals to meet the demands of the new economy.

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For public workshops, please visit <http://www.idc-training.com/course-calendar.html>

**Course:** ASME IX "Welding Qualifications" Code Simplified **Date:** 30 Jun - 2 Jul 2010  
**Venue:** IDC Training Room, Amcorp Trade Centre, PJ, Selangor, Malaysia **Time:** 9.00am - 5.00pm

Name of Applicant(s) Mr / Ms / Dr / Ir (Others)	Designation(s)	Contact No. (H/P)
1. _____		
2. _____		
3. _____		
4. _____		
5. _____		
Company Name :		
Correspondence Address :		
Tel :	Ext. :	Fax :
H/P :	E-mail :	
Contact Person :		Designation :

	<b>Group Package</b> Minimum 3 delegates	<b>Early Bird Package</b> (with payment)	<b>Normal Price</b>
<b>Course Fee (per person)</b>	<b>RM 3,300</b>	<b>RM 3,500</b>	<b>RM 3,700</b>
<b>Closing Date</b>	<b>16 Jun 2010</b>	<b>31 May 2010</b>	<b>16 Jun 2010</b>

Please download the location map from: [http://www.idc-training.com/map/idc\\_map.pdf](http://www.idc-training.com/map/idc_map.pdf)



Certificate of Attendance upon completion of the course



Save more with In-House Training



Save more with group of 3 delegates

### Terms and Conditions Registration Policy

Fees include course materials, lunch & tea breaks. Payment can be made by cash, credit card or using crossed cheque/bank draft made payable to **IDC Training House Sdn Bhd**, fourteen (14) working days prior to the date of the program. Otherwise registration(s) is treated as unconfirmed.

### Disclaimer

**Changes of course date, Trainer/Facilitator or venue**

We reserve the right to make alternative arrangement to the above if the needs arise due to unforeseen circumstances. Every effort will be made to inform the participants of these changes.

### Additional Expenses

We shall not be responsible for any extra expenses incurred by any participant(s) while attending the course.

**REGISTER NOW! FAX TO US AT +60-3-7956 1536**