

INSIGHT QUALITY SERVICES Presents

"Guided Tour of ASME Codes"

(With Specific Focus on Edition 2021)

[Covers ASME Sect. VIII Div.1, Sect. IX, Sect. V, Sect. II A & C]

ONLINE WEBINAR DATE: **16TH TO 17TH JULY 2021**

About the Faculty:

Mr. Diwakar D. Joshi

Director, Insight Quality Services (IQS).

- ASNT Level III (RT,PT,UT,MT,ET,LT,VT)
- ISO 9712 Certificate Level III (RT,PT,UT,MT)
- ACCP Level III (RT,UT,PT,MT,VT)
- Senior Certified Welding Inspector (AWS)
- ISO 9001 Lead Assessor
- API 510 Pressure Vessel Inspector
- API 653 Aboveground storage Tank Inspector
- API 570 Authorized Piping Inspector
- API 571, API 580 and API 577 Authorized Inspector
- API 936 Refractory Practitioner
- API TES Tank Entry Supervisor
- API 1169 Pipeline Construction Inspector
- API Source Inspector Fixed Equipment (SIFE)



IQS is a Training, Consultancy, Inspection & NDT services organization, giving services to industries for more than 27 years.

Mr. Joshi is a B.E. (Mechanical) with first class (distinction), having more than 45 years' experience in QA/QC and NDT field with well-known organizations like Walchandnagar Industries Ltd., Alfa Laval India Ltd., PT. Puspetindo, Indonesia and PT. Balcke-Durr, Indonesia.



About The Course:

This training course is designed to give a general understanding of various ASME codes with emphasis codes with emphasis on Section II (Part A and C), Section V, Section VIII Div. 1 and Section IX. It helps the participants to understand the code objectives, code contents, and stated and implied requirements. It helps the participants to be aware of the mandatory, recommended and optional stipulations of the codes.

The course covers: ASME Section II – Material Specifications (Part A and C), Section V – Non Destructive Examination requirements, Section VIII Div. 1 – Unfired Pressure Vessel Design and Section IX – Welding Qualifications. ASME codes, being the most universally used codes in the Oil and gas industry, have extensive utility at various levels. This course is so designed that participants will understand the correct methodology to use the codes according to ‘the letter and spirit’ of the codes. Important code requirements will be explained in a simple, straight forward manner, with extensive examples and case studies. The course is designed such that a previous background in ASME code is not necessary.

Course Objectives:

- To familiarize participants with the technical terms of the engineering codes and know the basic concepts of the codes.
- To explain the participants the ASME code system and basic difference between ASME and other codes.
- Choose the right engineering codes for the intended application and carry out certain basic calculations.
- Understand the key concepts in design, construction, inspection and testing of Boilers and Pressure vessels. Carry out the basic calculations.
- Understand the methodology of Welding Qualifications: Procedure and Performance Qualifications.
- Understand common NDT methods (PT, MT, RT, UT, VT, ET, LT) and the code rules for conducting the NDT.
- Know the fabrication requirements, inspection procedures, pressure testing and certification of Boilers and Pressure Vessels.

Who Should Attend?

Designers, Manufacturing personnel, QC personnel, NDE personnel, Purchasers, Consultants, Third Party Inspectors and any person using the Code. The course is designed such that no previous background in ASME code is necessary. However, those familiar with the code will find the course immensely useful as regards understanding the code by “letter and spirit” and gaining a thorough systematic practical insight of the code.

Online Webinar Schedule

Sr. No	Date	Online Platform	Training Time
1.	16th to 17th July 2021	Zoom	9.30am to 5.30pm (Daily 7 Hours)

Registration Link: <https://www.iqs-ndt.org/registration-form>

Webinar Outline:

1st Day

Session 1

- Welcome & Introduction
- Benchmark
- Intro to ASME Codes
- ASME Sect. VIII Div. 1: UG General Requirements

Session 2

- ASME Sect. VIII Div. 1: UW: Welding Requirements
- ASME Sect. VIII Div. 1: Requirements by Material

Session 3

- ASME Sect. VIII Div. 1: PWHT and Impact testing
- ASME Sect. VIII Div. 1: Fabrication, Inspection, Examination & Testing
- **Discussion on Changes in ASME Sect. VIII Div.1 (2021)**

Session 4

- ASME Section II Part A and C
- Materials and consumable Specifications

2nd Day

Session 1

- Welcome & Introduction
- Benchmark
- Intro to ASME Codes (Brief)
- ASME Sect. IX: General Requirements

Session 2

- ASME Sect. IX: Welding Procedure Specification
- ASME Sect. IX: Procedure Qualification Record

Session 3

- ASME Sect. IX: Welder's Performance Qualification
- ASME Sect. V: Introduction to Non-destructive Examination

Session 4

- ASME Sect. V: Visual Testing, Penetrant Testing, Magnetic Particle Testing
- ASME Sect. V: Radiographic Testing, Ultrasonic Testing
- **Discussion on Changes in ASME Sect. V and Sect. IX (2021)**

Insight Quality Services

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