



ASME Section IX – Welding Requirements

Course description: This seminar is a basic introductory overview of the Section IX Welding Qualifications Code (2023 Edition). It focuses on the ASME Certificate Holders engaged in welded construction in accordance with ASME Codes of Construction (Section I, Section VIII, etc.) and Repair Organizations working under the National Board Inspection Code (NBIC) Part 3, Repairs and Alterations.

The course describes the formatting and structure of Section IX and its scope and implementation in a Code fabrication program.

The latest revisions introduced into the Code for the 2023 edition will be covered along with new rules addressing Direct Energy Deposition Additive Manufacturing (DED AM).

Who should attend?

- The intended audience is first-time users of Section IX, as well as those with more extensive Code experience. It is most useful for the ASME Certificate Holder engaged in welded construction, and Repair Organizations working on ASME Code Boilers and Pressure Vessels under the National Board Inspection Code (NBIC).
- Those interested in understanding and meeting the requirements of QG-106 for the Supervision of welding of test coupons.
- Those wishing to gain an understanding of:
 - ASME Section IX Welding Requirements
 - The structure and use of the Code
 - Welding Procedures and Qualifications, Welding Processes and Welder and Welding Operator Performance Qualifications
 - New or experienced individuals who desire an improved understanding of ASME Code and NBIC requirements
 - Engineering, Quality Control, Production Supervisors, Surveillance Inspectors, and other individuals involved with the fabrication, construction, repair, and alteration of boilers and pressure vessels

Topics covered

Organizational Responsibility	Welder and Welding Operator Continuity	P, F, and A- Numbers
Correlation to Construction Codes	Standard Welding Procedure Specifications	Required Qualification Tests
Acceptable Welding Processes	Welder Performance Qualification	Welding Documents
Requirements for WPS and Welder Qualification	Test Coupon Types	Welding Variables
Inter-Company Welding Procedures	Conducting a Qualification Test	WPS Applicability
Procedure and Qualification Ownership Transfers	Ranges and Limits of Qualification	WPS/PQR Interrelationships
Continued Validity of WPS/WPQ Combination and Separation	Dissimilar Thickness Welding	WPQ Welder Qualification Ranges for Production
Completion and Control of Welding Documents	Organizations Working Under Common Ownership	Use of Records in Accordance With Previous Editions of the Code
Shielding Gases	Qualification of Procedures for DED AM	Testing and Examination of Test Coupons

For more information, contact GetInfo@hsb.com.