



Exam References and Editions

For Open-book exams Taken at Prometric and AWS Sites

| Program Name | Reference |
|---|--|
| AWS Magnetic Particle Testing (MT) Part C Specific | <ul style="list-style-type: none">• AWS Magnetic Particle (MT Dry Powder Yoke Method) Endorsement Book of Specifications |
| AWS Penetrant Testing (PT) Part C Specific | <ul style="list-style-type: none">• AWS Penetrant Testing (PT Type II-Method C) Endorsement Book of Specifications |
| API 1104 Pipeline | <ul style="list-style-type: none">• API Standard Welding of Pipelines and Related Facilities - 21st Edition |
| ASME BPVC Section IX, Power B31.1 and Process B31.3 Piping | <ul style="list-style-type: none">• ASME Section IX Welding, Brazing, and Fusing Qualifications - 2019• ASME B31.1 Power Piping - 2018• ASME B31.3 Process Piping - 2018 |
| AWS D1.1 Structural Steel | <ul style="list-style-type: none">• AWS D1.1: 2020 – Structural Welding Code – Steel |
| AWS D1.2 Structural Aluminum | <ul style="list-style-type: none">• AWS D1.2:2014 - Structural Welding Code – Aluminum |



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| AWS D1.5 Bridge Welding | <ul style="list-style-type: none">• AWS D1.5:2015 - Bridge Welding Code |
| AWS D15.1 Railroad | <ul style="list-style-type: none">• AWS D15.1:2012 - Railroad Welding Specification for Cars and Locomotives |
| AWS D17.1 Aerospace | <ul style="list-style-type: none">• AWS D17.1:2017 – Specification for Fusion Welding for Aerospace Applications w/ Errata and Amendment |
| Certified Resistance Welding Technician | <ul style="list-style-type: none">• AWS C1.1M/C1.1:2019 Recommended Practices for Resistance Welding• RWMA Resistance Welding Manual, Revised 4th Ed., 2013• AWS RWPH:2011 RW Pocket Handbook• A2.4-2012 Standard Symbols for Welding, Brazing, and Nondestructive Examination |
| Certified Robotic Arc Welding | <ul style="list-style-type: none">• QC19:2002 Standard for the AWS Certification of Robotic Arc Welding• D16.4M/D16.4:2005 Specification for the Qualification of Robotic Arc Welding Personnel |



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| Certified Radiographic Interpreter | <ul style="list-style-type: none">• QC15:2008 - Specification for the Certification of Radiographic Interpreters• B5.15:2010 - Specification for the Qualification of Radiographic Interpreters• AWS D1.1/D1.1M:2004, AWS Structural Welding Code – Steel• AWS D1.2/D1.2M:2003, AWS Structural Welding Code – Aluminum• API 1104, Welding of Pipelines and Related Facilities, 19th and 20th Editions• ASME Section V, Article 2, Boiler & Pressure Vessel Code, Nondestructive Examination (2001 – 03 Addenda)• ASME Section V, SE-94 (ASTM E 94-00) Standard Guide for Radiographic Examination• ASME Section VIII, Division 1, Rules for Construction of Pressure Vessels, UW-51 and UW-52• ASTM E 747-97, Standard Practice for Design, Manufacture and Material Grouping Classification of Wire Image Quality Indicators (IQI) Used for Radiology• ASTM E 1025-98, Standard Practice for Design, Manufacture and Material Grouping Classification of Hole-Type Image Quality Indicators (IQI) Used for Radiology• ASTM E 1032-01, Standard Test Method for Radiographic Examination of Weldments ASTM E 1742-00, Standard Practice for Radiographic Examination |



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| Certified Welding Engineer - Part 3 | <ul style="list-style-type: none">• ANSI Z49.1 Safety in Welding, Cutting and Allied Processes• AWS Welding Handbook, Volume 1 (9th Edition or 10th edition)• AWS Welding Handbook, Volume 2 (9th Edition)• AWS Welding Handbook, Volume 3 (9th Edition)• AWS Welding Handbook, Volume 4 (9th Edition)• AWS Welding Handbook, Volume 5 (9th Edition)• Blodgett: Design of Weldments• Lippold & Kotecki: Welding Metallurgy and Weldability of Stainless Steels |
| Certified Welding Engineer - Part 4 | <ul style="list-style-type: none">• AWS D1.1: 2020 – Structural Welding Code – Steel |



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| Certified Welding Supervisor Part A and B | <ul style="list-style-type: none">• AWS WHB 1.12 Economics of Welding and Cutting• AWS WHB - ALL AWS Welding Handbook Series• CWSM Certified Welding Supervisor Manual for Quality and Productivity Improvement• NSRP Study - Welding Supervisor Training and Certification• ANSI Z49.1 Safety in Welding Cutting, and Allied Processes• AWS QC13:2006 Specification for the Certification of Welding Supervisors• AWS B5.9:2006 Specification for the Qualification of Welding Supervisors• AWS 2.4:2012 Standard Symbols for Welding, Brazing, and Nondestructive Examination• AWS A3.0:2010 Standard Welding Terms and Definitions |
| ISO Standards Exam (ISO) | <ul style="list-style-type: none">• EN 15085: 2007 Railway Applications - Welding of Railway Vehicles and Components (Parts 1 - 5)• ISO 9606-1:2012 Qualification Testing of Welders - Fusion Welding - Part 1: Steels• ISO 15614-1:2017 Specification and Qualification of Welding Procedures for Metallic Metals - Welding Procedure Test - Part 1• ISO 5817:2014 Welding - Fusion Welded Joints in Steel, Nickel, Titanium, and their Alloys (beam welding excluded) - Quality Levels for Imperfections |



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| Senior Certified Welding Inspector (SCWI) Parts A and B | <ul style="list-style-type: none">• ANSI Z49.1 (AWS) Safety in Welding, Cutting, and Allied Products• ASNT SNT-TC-1A Recommended Practice: Personnel Qualification and Certification in Nondestructive Testing• AWS A1.1:2016 Metric Practice Guide for the Welding Industry• AWS A2.4:2012 Standard Symbols for Welding, Brazing, and Nondestructive Examination• AWS A3.0:2010 Standard Welding Terms and Definitions• AWS B1.10:2016 Guide for the Nondestructive Examination of Welds• AWS B1.11:2015 Guide for the Visual Inspection of Welds• AWS B2.1/B2.1M:2014-AMD1 Specification for Welding Procedure and Performance Qualification• AWS B4.0:2016 Standard Methods for Mechanical Testing of Welds• AWS B5.1:2013-AMD1 Specification for the Qualification of Welding Inspectors• AWS CM AWS Certification Manual for Welding Inspection• AWS D10.4:1986R Recommended Practices for Welding Austenitic Chromium – Nickel Stainless Steel Piping and Tubing• AWS QC1:2016-AMD1 Standard for AWS Certification of Welding Inspectors• AWS Welding Handbook Series (4 texts total)• ISO 9001:2015 Quality Management Systems—Requirements |



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| Program Name | Reference |
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| | <ul style="list-style-type: none">• Senior Certified Welding Inspector Study Guide – Section 4 Quality Assurance• WI: AWS Welding Inspection Handbook• WIT-T: AWS Welding Inspection Technology |
| Structural Bolting Inspection | <ul style="list-style-type: none">• RCSC• AISC LRFD (Load and Resistance Factor Design)• AISC Steel Construction Manual |
| Welder Performance Qualifier Endorsement (WPQ1) | <ul style="list-style-type: none">• AWS Best Practices for Performing a Welder Qualification Test• AWS B2.1/B2.1M:2014 - Specification for Welding Procedure and Performance Qualification• AWS B5.4:2005 - Specification for the Qualification of Welder Test Facilities |



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| Welding Procedure Qualifier Endorsement (WPQ2) | <ul style="list-style-type: none">AWS D1.1: 2020 – Structural Welding Code – SteelAWS B2.1/B2.1M:2021 - Specification for Welding Procedure and Performance Qualification |