



American Welding Society®




Exam References and Editions Guide

For open-book exams taken at Prometric and AWS Sites

To apply to any of the programs listed below, please visit my.aws.org

AWS CWI/SCWI Endorsement

D1.1 Structural Steel

Exam Related Information	Exam Reference	Physical Reference Permitted?	PDF Reference Provided at Testing?	Provided PDF Reference Searchable?
	<u>AWS D1.1/D1.1M:2020 – Structural Welding Code – Steel</u>			



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D1.2 Structural Aluminum

Exam Related Information	Exam Reference	Physical Reference Permitted?	PDF Reference Provided at Testing?	Provided PDF Reference Searchable?
	<u>AWS D1.2/D1.2M:2014 –Structural Welding Code – Aluminum</u>	✓	✓	✓

AWS CWI/SCWI Endorsement

D1.5 Bridge Welding

Exam Related Information	Exam Reference	Physical Reference Permitted?	PDF Reference Provided at Testing?	Provided PDF Reference Searchable?
	<u>AASHTO/AWS D1.5/D1.5M:2020– Bridge Welding Code</u>	✓	✓	✗



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D15.1 Railroad

Exam Related Information	Exam Reference	Physical Reference Permitted?	PDF Reference Provided at Testing?	Provided PDF Reference Searchable?
	<u>AWS D15.1/D15.1M:2019 – Railroad Welding for Cars and Locomotives</u>	✓	✓	✗

AWS CWI/SCWI Endorsement

D17.1 Aerospace

Exam Related Information	Exam Reference	Physical Reference Permitted?	PDF Reference Provided at Testing?	Provided PDF Reference Searchable?
	<u>AWS D17.1/D17.1M:2017 – Specification for Fusion Welding for Aerospace Applications w/ Errata and Amendment</u>	✓	✓	✗






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API 1104 Pipeline

Exam Related Information	Exam Reference	Physical Reference Permitted?	PDF Reference Provided at Testing?	Provided PDF Reference Searchable?
	<u>API 1104: Welding of Pipelines and Related Facilities – 22nd Edition</u>			



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Welder Performance Qualifier Endorsement

Exam Related Information	Exam Reference	Physical Reference Permitted?	PDF Reference Provided at Testing?	Provided PDF Reference Searchable?
Exam Related Information	<u>AWS Best Practices for Performing a Welder Qualification Test</u>	✓	✓	✗
Exam Related Information	<u>AWS B2.1/B2.1M:2021 - Specification for Welding Procedure and Performance Qualification</u>	✓	✓	✗
Exam Related Information	<u>AWS B5.4:2005 - Specification for the Qualification of Welder Test Facilities</u>	✓	✓	✗



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Welding Procedure Qualifier Endorsement

Exam Related Information	Exam Reference	Physical Reference Permitted?	PDF Reference Provided at Testing?	Provided PDF Reference Searchable?
	<u>AWS D1.1/D1.1M:2020 – Structural Welding Code – Steel</u>	✓	✓	✗
	<u>AWS B2.1/B2.1M:2021 - Specification for Welding Procedure and Performance Qualification</u>	✓	✓	✗



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ASME BPVC Section IX, Power B31.1 and Process B31.3 Piping

Exam Related Information	Exam Reference	Physical Codebook Permitted?	PDF Reference Provided at Testing?	Provided PDF Reference Searchable?
	<u>ASME Section IX Welding, Brazing, and Fusing Qualifications - 2019</u>	✓	✓	✓
	<u>ASME B31.1 Power Piping - 2018</u>	✓	✓	✓
	<u>ASME B31.3 Process Piping - 2018</u>	✓	✓	✓



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Magnetic Particle Testing (MT) Part C

Exam Related Information	Exam Reference	Physical Reference Provided?	PDF Reference Provided at Testing?	Provided PDF Reference Searchable?
	<i>AWS Magnetic Particle (MT Dry Powder Yoke Method) Endorsement Book of Specifications</i>	✓	✓	✓

AWS CWI/SCWI Endorsement

Penetrant Testing (PT) Part C

Exam Related Information	Exam Reference	Physical Reference Provided?	PDF Reference Provided at Testing?	Provided PDF Reference Searchable?
	<i>AWS Penetrant Testing (PT Type II-Method C) Endorsement Book of Specifications</i>	✓	✓	✓



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AWS CWI/SCWI Endorsement

ISO Standards Exam (ISO)

Exam Related Information	Exam Reference	Physical Reference Permitted?	PDF Reference Provided at Testing?	Provided PDF Reference Searchable?
	<u>EN 15085: 2007 Railway Applications - Welding of Railway Vehicles and Components (Parts 1 - 5)</u>	✓	✓	✓
	<u>ISO 9606-1:2012 Qualification Testing of Welders - Fusion Welding - Part 1: Steels</u>	✓	✓	✓
	<u>ISO 15614-1:2017 Specification and Qualification of Welding Procedures for Metallic Metals - Welding Procedure Test - Part 1</u>	✓	✓	✓
	<u>ISO 5817:2014 Welding - Fusion Welded Joints in Steel, Nickel, Titanium, and their Alloys (beam welding excluded) - Quality Levels for Imperfections</u>	✓	✓	✓



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AWS Certified Radiographic Interpreter (CRI)

Certified Radiographic Interpreter Parts A and C

Exam Related Information	Exam Reference	Physical Reference Provided?	PDF Reference Provided at Testing?	Provided PDF Reference Searchable?
	<u>AWS D1.1/D1.1M:2004 – Structural Welding Code - Steel</u>	✓	✗	✗
	<u>AWS D1.2/D1.2M:2003 – Structural Welding Code - Aluminum</u>	✓	✗	✗
	API 1104: Welding of Pipelines and Related Facilities – 19 th and 20 th Editions	✓	✗	✗
	<u>ASME Section V, Article 2, Boiler & Pressure Vessel Code, Nondestructive Examination (2001 – 03 Addenda)</u>	✓	✗	✗
	<u>ASME Section V, SE-94 (ASTM E 94-00) Standard Guide for Radiographic Examination</u>	✓	✗	✗
	<u>ASME Section VIII, Division 1, Rules for Construction of Pressure Vessels, UW-51 and UW-52</u>	✓	✗	✗

List of exam references for CRI continued next page.



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AWS Certified Radiographic Interpreter (CRI)

Certified Radiographer Interpreter Parts A and C

Exam Related Information	Exam Reference	Physical Reference Provided?	PDF Reference Provided at Testing?	Provided PDF Reference Searchable?
	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	✓	✗	✗

NOTE: The above references for CRI will be available for temporary use by the students at the training course and by the candidates for certification. Users interested in purchasing these standards for their own use may do so using the embedded links.



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For open-book exams taken at Prometric and AWS Sites

AWS Certified Welding Engineer

Certified Welding Engineer – Part 3

Exam Related Information	Exam Reference	Physical Reference Permitted?	PDF Reference Provided at Testing?	Provided PDF Reference Searchable?
	<u>ANSI Z49.1 Safety in Welding, Cutting and Allied Processes</u>	✓	✗	✗
	<u>AWS Welding Handbook, Volume 1-5 (10th Edition for Vol 1 and 9th Edition for the rest)</u>	✓	✗	✗
	<i>Blodgett: Design of Weldments</i>	✓	✗	✗
	<u>Lippold & Kotecki: Welding Metallurgy and Weldability of Stainless Steels</u>	✓	✗	✗






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For open-book exams taken at Prometric and AWS Sites

AWS Certified Welding Engineer Certified Welding Engineer – Part 4

Exam Related Information	Exam Reference	Physical Reference Permitted?	PDF Reference Provided at Testing?	Provided PDF Reference Searchable?
	<u>AWS D1.1/D1.1M:2020 – Structural Welding Code – Steel</u>			



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AWS Certified Welding Supervisor

Certified Welding Supervisor Part A and B

Exam Related Information	Exam Reference	Physical Reference Permitted?	PDF Reference Provided at Testing?	Provided PDF Reference Searchable?
	<u>AWS WHB 1.12 Economics of Welding and Cutting</u>	✓	✓	✓
	<u>AWS WHB - ALL AWS Welding Handbook Series</u>	✓	✗	✗
	<u>Certified Welding Supervisor Manual for Quality and Productivity Improvement</u>	✓	✓	✓
	<u>NSRP Study - Welding Supervisor Training and Certification</u>	✓	✓	✓
	<u>AWS QC13:2006 Specification for the Certification of Welding Supervisors</u>	✓	✓	✓
	<u>AWS B5.9:2006 Specification for the Qualification of Welding Supervisors</u>	✓	✓	✓
	<u>AWS A2.4:2012 Standard Symbols for Welding, Brazing, and Nondestructive Examination</u>	✓	✓	✓
	<u>AWS A3.0:2010 Standard Welding Terms and Definitions</u>	✓	✓	✓
<u>ANSI Z49.1:2005 Safety in Welding Cutting, and Allied Processes</u>	✓	✓	✓	



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AWS Senior Certified Welding Inspector (SCWI)

Senior Certified Welding Inspector (Open Book Section)

Exam Related Information	Exam Reference	Physical Reference Permitted?	PDF Reference Provided at Testing?	Provided PDF Reference Searchable?
	<u>AWS B2.1/B2.1M:2021 - Specification for Welding Procedure and Performance Qualification</u>	