

Title of Endorsement

ASME Section IX and B31.1 and B31.3

Scope of Endorsement (description)

AWS QC1, *Standard for AWS Certification of Welding Inspectors*, provides for endorsements that may be added to the CWI and SCWI certifications. Endorsements are defined in AWS QC1 as the approval of an additional skill documented in writing and added to a certification credential.

This endorsement covers four subject areas in three ASME standards: material and design, fabrication, inspection, and qualification. Subject weights for each of these areas are in conformance with the codebook examination requirements as expressed in section 7.1 of AWS B5.1, *Specification for the Qualification of Welding Inspectors*.

Code Applications	Percent of Total Questions
Material and Design	10
Fabrication	30
Inspection	25
Qualification	30

Note: Percentages indicate the minimum required for each category in an examination.

Training Requirements

No training requirements are necessary for taking this endorsement exam.

Examination requirements

Candidates seeking the endorsement shall pass a written examination consisting of 55 multiple choice questions in two hours. Candidates must use the ASME B31.1 (Power Piping), ASME B31.3 (Process Piping), and Section IX of the ASME Code to answer the questions. No addenda are applicable. Candidates may not use photocopied versions of the standards unless they can supply evidence of purchase of the document.

Successful candidates must correctly answer 72% of the questions to receive this endorsement. Re-examinations for this endorsement shall be in accordance with AWS QC1.

How endorsement will be expressed

Existing CWIs and SCWIs who wish to have this endorsement listed on their secondary wallet card shall receive a new card which will contain the following information:

ASME B31 and Section IX (year of examination)



Reference materials necessary

ASME Boiler and Pressure Vessel Code – Section IX: Welding and Brazing Qualifications – current exam edition.

ASME B31 Standards of Pressure Piping:

B31.1, *Power Piping*

B31.3, *Process Piping*

The current exam edition can be found in the AWS CWI Body of Knowledge on the AWS website at <http://www.aws.org/certification/endorsebok>.

Eligibility for initial certification or 9-year recertification

For new candidates to the CWI program, this examination may be chosen as the required open codebook examination. For existing CWIs, successful completion of this endorsement satisfies the re-examination requirements for 9-year recertification, provided that the endorsement is taken during the immediate 9-year period.

Renewal requirements for this endorsement

This endorsement does not have any requirements for renewal. It will automatically be renewed at each CWI renewal or recertification. The endorsement will continue to be listed on the CWI card at the discretion of the individual CWI.

Continuing education credits

40 PDHs will be awarded upon successful completion of this endorsement.

Comments on special conditions or requirements

N/A

Revision 1 – Pittsburgh, PA – July 26, 2012 [Revision 2 – Editorial]

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Editorial changes made to Examination Requirements – 7/23/2014