



American Welding Society

Template for AWS Endorsement Supplement

Title of Endorsement

AWS Penetrant Testing (PT) Endorsement

Scope of Endorsement

Section 2 of 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 shall govern visible Penetrant Testing (PT) of welds using the solvent removable method in ferrous and non-ferrous materials manufactured from non-porous materials.

Qualification Requirements

All candidates shall hold a current AWS CWI or SCWI credential.

Examination Requirements

Candidates shall pass a closed book written examination on PT fundamentals consisting of at least 40 multiple choice questions in one hour, an open book written examination consisting of at least 20 questions using the AWS PT Book of Specifications in one hour and a practical examination using the AWS PT Book of Specifications in one hour.

Successful candidates must correctly answer 72% of the questions on each part to receive this endorsement and a cumulative average of 80% for all three examinations. Re-examinations for this endorsement shall be in accordance with section 6.2.5 of AWS QC1.

Reference Materials Required

AWS PT Book of Specifications (available online and provided at the time of examination)

ASTM E-165

General Dynamics CT-6-2 Liquid Penetrant Training Handbook



How the Endorsement Will Be Expressed

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

AWS Penetrant Testing (PT) (*year of examination*)

Eligibility for 9-Year Recertification

Successful completion of this endorsement satisfies the re-examination requirements for 9-year recertification of CWIs or SCWIs, provided that the endorsement is taken during the immediate 9-year period.

Renewal Requirements

AWS PT endorsement holders are required to retake the Practical component of the PT endorsement exams within one year of the expiration of their next succeeding 9-year CWI recertification period.

Continuing Education Credits

N/A

Comments on special conditions or requirements

N/A

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