



CERTIFICATION PROGRAMS

Supplemental Requirements for Highway Component Manufacturers (CPT)

Preface

The 2024 revision is not a complete revision of the *Supplemental Requirements for Highway Component Manufacturers (CPT)*. The following changes have been made in this revision:

Section 1 Before Your Audit

- CPT1.4 Editorial
- CPT1.5 Editorial

Section 2 During Your Audit

- CPT2.2 Revision
- CPT2.5 Revision
- CPT2.6 Revision

Commentary - New

Scope

This document (hereinafter referred to as the *Supplements*) provides the additional requirements for the AISC Certification Program for Highway Component Manufacturers (CPT) (hereinafter referred to as the *Program*).

Section 1 Before Your Audit

- CPT1.1 All Participants and Applicants are required to have available and comply with these *Supplements* and the *Governing Requirements for Certification Programs* (hereinafter referred to as the *GRs*).
- CPT1.2 The *Standard for Certification Programs* (hereinafter referred to as the *Standard*) is the primary normative document for all Certification Programs. Whenever there is a conflict between the *Supplements* and the *Standard*, the *Supplements* shall govern.
- CPT1.3 *Standard* Chapter 1 (General Requirements) and Chapter 3 (Metal Component Manufacturer Requirements) apply to this *Program*.



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- CPT1.4 Participants and Applicants are eligible to apply for the Complex Coatings Endorsement (CCE). For information and requirements concerning this endorsement, refer to *GR* Section 2, “Applying for Certification,” or Section 8, “Making Changes to the Certification Scope,” and the *Supplemental Requirements for Applicators of Complex Coatings Endorsement* (CCE).
- CPT1.5 Participants and Applicants are eligible to apply for the Fracture Control Endorsement (FCEB). For information and requirements concerning this endorsement, refer to *GR* Section 2, “Applying for Certification,” or Section 8, “Making Changes to the Certification Scope,” and the *AISC Supplemental Requirements for Fracture Control Endorsement* (FCEB).
- CPT1.6 Applicants to this *Program* must submit an application, payment, and all documents required by the *Application Document Submittal for AISC Certification—Fabricators and Manufacturers*.

Section 2 During Your Audit

- CPT2.1 The Quality Management System (QMS) that this *Program* applies to will be audited. Sample jobs/contracts of bridge and highway component work meeting the scope of their certification(s) and endorsement(s) will be used to demonstrate capability to meet the *Program* regardless of whether the job/contract requires an AISC certified manufacturer.
- CPT2.2 Participants and Applicants are required to be actively fabricating in the shop at the time of the audit that can be used to demonstrate compliance with the provisions of the *Program*. This work must be bridge or transportation related items. **If it is known or suspected that there will not be this type of work in the shop at the time of the audit, please notify your assigned auditor immediately.**

If you have not received your audit plan 30 days prior to your scheduled audit, please contact AISC.

Solutions may include a demonstration of capability (See GR 5.11) that follows the quality management system. Participants unable to adhere to this requirement prior to the expiration of their certificate will be referred to the Certification Review Group (CRG) who will make a decision on whether or not the certificate renewal process will be terminated.

- CPT2.3 *Standard* Section 1.3 is clarified and modified by the following:
- *SSPC Steel Structures Painting Manual, Volume I, Good Painting Practice*, is only required when painting operations are performed.
 - *SSPC Steel Structures Painting Manual, Volume II, Systems and Specifications*, is only required when painting operations are performed.



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Current editions of the following references are required. (Note: Other editions may also be required by existing participant contracts.)

- ANSI/AISC 360, *Specification for Structural Steel Buildings*
- RCSC *Specification for Structural Joints Using High-Strength Bolts*, if bolting operations are performed at the facility

Provisions of *Standard* Element 1.3 not modified above remain in effect.

CPT2.5 Participants and Applicants will be audited and evaluated to ensure compliance with the current AWS welding code in use, regardless of whether this is required by the sampled contracts and specifications. Participants and Applicants shall maintain the following documents in compliance with AWS D1.1/D1.1M, *Structural Welding Code-Steel* and have them available for review during each audit:

- At least one representative Welding Procedure Specification (WPS)
- At least one supporting Procedure Qualification Record (PQR) when required
- At least one Welder Qualification Test Record (WQTR) maintained current and qualified with records of period of effectiveness

Observation of PQRs, WPSs, or WPQRs does not constitute approval by AISC, QMC, or the QMC auditor. The applicant or participant is responsible for preparing and maintaining documents conforming to the applicable welding code.- Reference AWS D1.1:2020 Clause 1.5.2, et al.

CPT2.6 When a manufacturer's operations require high-strength bolting, *Participants* and Applicants must perform a bolting method demonstration at each Initial Certification and as indicated in the audit plan. The demonstration shall comply with the current RCSC *Specification for Structural Joints Using High-Strength Bolts* Section 7, "Pre-Installation Verification."

COMMENTARY Provided for clarification of criteria in the Standard and includes reference to the appropriate section(s) of the Standard.

C1 3.3 References: the following required references are no longer available and no longer required by the standard but their content may be required by contract documents:
(c) SSPC *Steel Structures Painting Manual, Volume I, Good Painting Practice*
(d) SSPC *Steel Structures Painting Manual, Volume II, Systems and Specifications*