



CERTIFICATION PROGRAMS

Supplemental Program Requirements for Structural Steel Erectors (CSE)

Scope

This document (hereinafter referred to as *Supplements*) provides the additional requirements for the AISC Certification Program for Structural Steel Erectors (CSE) (hereinafter referred to as the *Program*). This document **applies to participants with a current AISC Erector Program certificate**. Applicants refer to *Supplemental Program Requirements for Structural Steel Erectors (CSE) Applicants*.

Section 1 Before the Site Audit

- SE1.1 All Participants are required to have available and comply with these *Supplements* and the *Program Requirements for Fabricator, Erector and Manufacturer Certifications* (hereinafter referred to as *Requirements*).
- SE1.2 This Program uses the AISC *Certification Program Structural Steel Erectors - Standard for Structural Steel Erectors - 2013* (hereinafter referred to as *Standard*) as the normative document. Whenever there is a conflict between the *Supplements* and the *Standard*, the *Supplements* govern.
- SE1.3 Along with full payment of fees, Participants must annually submit a current Certificate of Liability Insurance naming the American Institute of Steel Construction, LLC and Quality Management Company, LLC as additional entities covered by the insurance, and they must submit a Reciprocal Indemnity Agreement every three years. A sample Certificate of Liability Insurance form and the Reciprocal Indemnity Agreement can be found on either the “Certified Erectors” web pages at www.aisc.org/certification - click “Erector QMS Certification” for the documents.
- SE1.4 *Standard* Section 3.2-3.4 are not included in the Certified Steel Erector Program. These Sections/Elements apply to the specific endorsement.
- SE1.5 Participants of this *program* are eligible to apply for the following endorsements:
- Seismic Erection Endorsement (See Section 3 below and *Standard* Section 3.2)
 - Metal Deck Installation Endorsement (See Section 4 below and *Standard* Section 3.3)
 - Bridge Erection (See Section 5 below and *Standard* Section 3.4)

To include/add any or all of these endorsements refer to the *Requirements* Section 2 “Applying for certification” or Section 8 “Making changes to the Certification Scope”

- SE1.6 As used in these *Requirements* and in the *Standard*, the words “shall, must or will” denote a mandatory requirement. The word “should, could or might” denotes a guideline or recommendation. The word “can or may” denotes an opportunity to make a choice.



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- SE1.7 *Standard* Section 10.4: Customer supplied materials needs to only be verified against the receiving documents. Verification to contract documents is the customer's responsibility.
- SE1.8 *Standard* Section 20.1.3: The safety plan shall include a list of all hazardous materials brought to the site by the erector with applicable SDS. The safety plan shall also include where all site hazardous material SDS can be reviewed.
- SE1.9 *Standard* Section 20.1.3: The project safety plan may be combined with the erection plan regardless of the format used for the erection plan.
- SE1.10 Participants are required to have an active jobsite as required by SE2.5 or a mock exercise will need to be approved and performed in association with the site audit. Contact AISC Certification at least thirty days prior to the site audit to determine type and extent of mock exercises. Mock exercises can only be performed twice within a certification cycle.

Section 2 During the Site Audit

- SE2.1 Participants will be audited and evaluated to ensure compliance with the current AWS D1.1/D1.1M *Structural Welding Code - Steel* regardless if this is required by the sampled contracts and specifications.
- SE2.2 Participants must perform a bolting method demonstration at each site audit. The demonstration shall comply with the current RCSC *Specification for Structural Joints Using High Strength Bolts* Section 7 "Pre-Installation Verification".
- SE2.3 Participants must demonstrate that its Quality Control Inspector(s) (QCI) are qualified per current ANSI/AISC 360 *Specification for Structural Steel Buildings* Section N4. These qualifications must be stated by the *Participant* in its quality management system including experience and training requirements.
- SE2.4 When required, Certified Welding Inspectors (CWI) may be an employee of the Participants or contracted. In the case of the latter, contract status and qualifications of the CWI must be demonstrable.
- SE2.5 Participants are required to have an active job site in the United States of America and complying with US Dept of Labor Occupational Safety and Health Administration (OSHA) 1926 at the time of the site audit that can be used to demonstrate ability to meet these *requirements*. This includes work described in the AISC *Code of Standard Practice for Steel Buildings and Bridges* Clause 2.1 or work of equivalent complexity as determined by the auditor.

An active job site is where the minimum following activities are occurring during the site audit:

- Connecting of steel elements via welding and/or bolting
- QCI inspections occurring and documented
- Execution of site-specific quality and safety plan
- Material handling



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Section 3 Seismic Erection Endorsement

- SE3.1 Participants shall develop documented procedure(s) for the erection of seismic elements of the structural frame per *Standard* Section 12.
- SE3.2 Participants shall have available the current edition, in English, and demonstrate their ability to work to, and meet the requirements of the following normative documents:
- ANSI/AISC 341 - *Seismic Provisions for Structural Steel Buildings*
 - ANSI/AISC 358 - *Prequalified Connections for Special and Intermediate Steel Moment Frames for Seismic Applications*
 - AWS D1.8/D1.8M *Structural Welding Code - Seismic Supplement*
- SE3.2 If an active job site with seismic connections is not available at the time of the site audit, mock exercises shall be used to demonstrate capabilities unless records are available for a seismic connection project completed within the past two years.
- SE3.4 Participants shall maintain the following documents for Demand Critical welds in compliance with AWS D1.8/D1.8M *Structural Welding Code - Seismic Supplement* and have them available for review during each site audit.
1. One representative Welding Procedure Specification (WPS)
 2. Supporting Procedure Qualification Record (PQR)
 3. Welder Performance Qualification Record (WPQR) maintained current and qualified with records of period of effectiveness

Section 4 Metal Deck Installation Endorsement

- SE4.1 Participants shall develop documented procedure(s) for metal deck installation per *Standard* Section 12.
- SE4.2 Participants shall have available the current edition, in English, and demonstrate their ability to work to, and meet the requirements of the following normative documents:
- ANSI/SDI QA/QC *Standard for Quality Control and Quality Assurance for Installation of Steel Decking*
 - SDI COSP *Code of Standard Practice*
 - AWS D1.3/D1.3M *Structural Welding Code - Sheet Steel*
- SE4.3 Participants shall maintain the following documents in compliance with AWS D1.3/D1.3M *Structural Welding Code - Sheet Steel*. and have them available for review during each site audit.
1. One representative Welding Procedure Specification (WPS)
 2. Supporting Procedure Qualification Record (PQR)
 3. Welder Performance Qualification Record (WPQR) maintained current and qualified with records of period of effectiveness



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SE4.4 If an active job site with metal decking installation activities is not available at the time of the site audit, mock exercises shall be used to demonstrate capabilities unless records are available for a metal decking installation project completed within the past two years.

Section 5 Bridge Erection Endorsement

SE5.1 Participants shall develop documented procedure(s) for the erection of steel bridges per *Standard* Section 12.

SE5.2 Participants shall have available the current edition, in English, and demonstrate their ability to work to, and meet the requirements of the following normative documents:

- AASHTO/NSBA *S10.1 Steel Bridge Erection Guide Specifications*
- AASHTO/AWS *D1.5M/D1.5 Bridge Welding Code*

SE5.3 Participants shall maintain the following documents in compliance with AASHTO/AWS *D1.5M/D1.5 Bridge Welding Code* and have them available for review during each site audit.

1. At least one Welding Procedure Specification (WPS)
2. Supporting Procedure Qualification Record (PQR) , when required
3. Welder Performance Qualification Record (WPQR) maintained current and qualified with records of period of effectiveness

SE5.4 A bolt demonstration shall be required of Participants at every initial (INIT) and full (RF) site audit that complies with Appendix D of the AASHTO/NSBA *S10.1 Steel Bridge Erection Guide Specification* for Field Rotational Capacity Testing.

SE5.5 If an active job site with bridge erection activities is not available at the time of the site audit, mock exercises shall be used to demonstrate capabilities unless records are available for a bridge project completed within the past two years.