CERTIFICATION PROGRAMS

Supplemental Requirements for Erectors (CSE)

Preface

The 2022 revision is not a complete revision of the *Supplemental Requirements for Erectors (CSE)*. The following changes have been made in this revision:

Section 1 Before Your Audit

- No Changes

Section 2 During Your Audit

- Revision

Section 3 Seismic Endorsement

- Editorial

Section 4 Metal Deck Endorsement

- Editorial

Section 5 Bridge Endorsement `

- Editorial

Scope

This document (hereinafter referred to as the *Supplements*) provides the additional requirements for the Certification Program for Erectors (CSE) (hereinafter referred to as the *Program*).

Section 1 Before Your Audit

SE1.1 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*).

SE1.2 This *Program* uses the *Standard for Certification Programs* (hereinafter referred to as the *Standard*) as the normative document. Whenever there is a conflict between the *Supplements* and the *Standard*, the *Supplements shall* 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.

They also must submit a Reciprocal Indemnity Agreement to have on file.

A sample Certificate of Liability Insurance form and the Reciprocal Indemnity Agreement can be found on the "Certified Erectors" web page at www.aisc.org/certification. The company's name on each document must match the company's name printed on the certification certificate.

SE1.4 Participants and Applicants of this *Program* are eligible to apply for the following endorsements:

- Seismic Endorsement (see Section 3 below and *Standard* Section 5.3.1)
- Metal Deck Endorsement (see Section 4 below and *Standard* Section 5.3.2)
- Bridge Endorsement (see Section 5 below and *Standard* Section 5.3.3)

To include/add any or all of these endorsements, refer to the *GR* Section 2, "Applying for Certification," or Section 8, "Making Changes to the Certification Scope."

SE1.5 *Standard* Section 1.10.4: Customer supplied materials need to only be verified against the receiving documents. Verification to contract documents is the customer's responsibility.

SE1.6 *Standard* Section 5.21: The site safety plan shall include a list of all hazardous materials brought to the site by the erector with an applicable Safety Data Sheet (SDS). The safety plan shall also include where all hazardous material SDSs can be reviewed.

SE1.7 *Standard* Section 5.21: The project safety plan may be combined with the erection plan regardless of the format used for the erection plan.

SE1.8 Participants and Applicants are required to have an active jobsite as required by SE2.5.

Section 2 During Your Audit

SE2.1 Participants and Applicants will be audited and evaluated to ensure compliance with the current AWS D1.1/D1.1M, *Structural Welding Code—Steel*, regardless of whether this is required by the sampled contracts and specifications.

SE2.2 Participants and Applicants must perform a bolting method demonstration at each 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 and Applicants must demonstrate that their Quality Control Inspector(s) (QCI) is/are qualified per the current ANSI/AISC 360, *Specification for Structural Steel Buildings* Section N4. These qualifications must be stated by the *Participant* in their quality management system, including experience and training requirements.

SE2.4 When required, the Certified Welding Inspector (CWI) may be an employee of the Participant and Applicant or contracted. In the case of the latter, contract status and qualifications of the CWI must be demonstrable.

SE2.5 Participants and Applicants are required to have an active job-site in the United States and must comply with the U.S. Department of Labor, Occupational Safety and Health Administration (OSHA). At the time of the audit, such compliance can be used to

demonstrate the ability to meet these *Supplements*. 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 jobsite is where the minimum following activities are occurring during the 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
- The steel erection activities are performed by the applicant's or participant's direct labor and cannot be subcontracted. The active job-site used for a site audit is not required to have AISC Certification as a requirement in the contract documents.

SE2.6 Audits for erectors carry a duration of two days. If a jobsite is not available for the scheduled audit, then the audit will strictly consist of the office portion during that two-day duration. The jobsite portion of the audit will then be rescheduled for a later date, but must occur 45 days prior to the expiration of the certificate (See *GR* 4.4 and 4.5).

SE2.7 Participants who do not have an active jobsite are required to have one within 90 days from the date of the expiration of their certificate or their certification will be withdrawn from the program. Your certificate will be suspended during this time and the proceeding certification review period and will not be extended nor will your certification month.

SE2.8 Erector participants may NOT reschedule if a jobsite is not available for the scheduled audit date, nor can participants reschedule to have both the office AND jobsite portions occur at the same time when a jobsite is not available on the scheduled audit date. SE2.8 supersedes Bulletin 2019-06.

Section 3 Seismic Endorsement

SE3.1 Participants and Applicants shall develop documented procedure(s) for the erection of seismic elements of the structural frame per *Standard* Section 12.

SE3.2 Participants and Applicants 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*

SE3.3 If an active jobsite with seismic connections is not available at the time of the 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 and Applicants shall maintain the following documents for Demand Critical weld requirements in compliance with AWS D1.8/D1.8M, Structural Welding Code—Seismic Supplement , and have them available for review during each audit:

1. One representative Demand Critical Welding Procedure Specification (WPS)
2. Supporting Procedure Qualification Record (PQR), when required
3. Welder Qualification Test Record (WQTR) for the Supplemental Welder Qualification Testing of Clause 5.1 which includes the supplemental Welder Qualification for Restricted Access Welding as prescribed in Annex D

Section 4 Metal Deck Endorsement

SE4.1 Participants and Applicants shall develop documented procedure(s) for metal deck installation per *Standard* Section 1.12.

SE4.2 Participants and Applicants 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 Deck*
- SDI COSP, *Code of Standard Practice*
- AWS D1.3/D1.3M, *Structural Welding Code—Sheet Steel*

SE4.3 Participants and Applicants 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 audit:

1. One representative Welding Procedure Specification (WPS)
2. Supporting Procedure Qualification Record (PQR), when required
3. Welder Qualification Test Record (WQTR) maintained current and qualified with records of period of effectiveness

SE4.4 If an active jobsite with metal decking installation activities is not available at the time of the 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 Endorsement

SE5.1 Participants and Applicants shall develop documented procedure(s) for the erection of steel bridges per *Standard* Section 1.12.

SE5.2 Participants and Applicants 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*
- ASTM F3125/F3125M Annex A2

SE5.3 Participants and Applicants 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 audit:

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

SE5.4 A bolt demonstration shall be required of Participants and Applicants at every initial (RFN) and full (RF) renewal audit for rotational capacity testing for high-strength bolts in accordance with ASTM F3125/F3125M Annex A2.

SE5.5 An active jobsite with bridge erection activities is required for the audit, or if bridge erection has been completed within the past two years then the review of the records for the bridge project will be performed in lieu of the active jobsite.