

**ASME CA-1–2020**  
(Revision of ASME CA-1–2014)

# Conformity Assessment Requirements

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**The American Society of  
Mechanical Engineers**

Two Park Avenue • New York, NY • 10016 USA

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Errata to codes and standards may be posted on the ASME website under the Committee Pages to provide corrections to incorrectly published items, or to correct typographical or grammatical errors in codes and standards. Such errata shall be used on the date posted.

The Committee Pages can be found at <http://cstools.asme.org/>. There is an option available to automatically receive an e-mail notification when errata are posted to a particular code or standard. This option can be found on the appropriate Committee Page after selecting "Errata" in the "Publication Information" section.

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# FOREWORD

In February 2009, the ASME Board on Conformity Assessment (BCA) formed the Committee on Conformity Assessment Requirements. The mission of this Committee was to develop a separate standard that includes the necessary ASME conformity assessment requirements currently contained in various ASME Codes and Standards. This Standard is a result of that mission.

The first edition was published in 2013 and was written specifically to inform the non-nuclear boiler and pressure vessel industry of the direction in which ASME will be implementing and updating its conformity assessment programs. Future editions will be published to minimize content duplication and potential conflicts of statements for all of ASME's conformity assessment programs.

The 2020 edition includes revisions to permit the use of alternate methods of applying the ASME Single Certification Mark. It also provides guidance concerning the reapplication of the ASME Single Certification Mark as well as requirements for the use of the PRT program. New definitions have been added, including Temporary Location and Field Site, along with pertinent requirements that provide guidance for their use.

These requirements were developed and are maintained by the ASME Committee on Conformity Assessment Requirements that reports to the ASME Board on Conformity Assessment. The Committee operates under the procedures accredited by the American National Standards Institute.

# COMMITTEE ON CONFORMITY ASSESSMENT REQUIREMENTS

(The following is the roster of the Committee as of May 2020.)

## STANDARDS COMMITTEE OFFICERS

**R. E. McLaughlin**, *Chair*

**P. Williams**, *Vice Chair*

**G. E. Moino**, *Secretary*

## STANDARDS COMMITTEE PERSONNEL

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**P. D. Edwards**, Stone and Webster, Inc.

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**D. E. Tuttle**, Emerson

**R. V. Wielgoszinski**, Hartford Steam Boiler Inspection and Insurance  
Co. of Connecticut

**P. Williams**, QRCS, Ltd.

# CORRESPONDENCE WITH THE CONFORMITY ASSESSMENT REQUIREMENTS (CAR) COMMITTEE

**General.** ASME Standards are developed and maintained with the intent to represent the consensus of concerned interests. As such, users of this Standard may interact with the Committee by requesting interpretations, proposing revisions or a case, and attending Committee meetings. Correspondence should be addressed to:

Secretary, CAR Committee  
The American Society of Mechanical Engineers  
Two Park Avenue  
New York, NY 10016-5990  
<http://go.asme.org/Inquiry>

**Proposing Revisions.** Revisions are made periodically to the Standard to incorporate changes that appear necessary or desirable, as demonstrated by the experience gained from the application of the Standard. Approved revisions will be published periodically.

The Committee welcomes proposals for revisions. Such proposals should be as specific as possible, citing the paragraph number(s), the proposed wording, and a detailed description of the reasons for the proposal, including any pertinent documentation.

**Proposing a Case.** Cases may be issued to provide alternative rules when justified, to permit early implementation of an approved revision when the need is urgent, or to provide rules not covered by existing provisions. Cases are effective immediately upon ASME approval and shall be posted on the ASME Committee web page.

Requests for Cases shall provide a Statement of Need and Background Information. The request should identify the Standard and the paragraph, figure, or table number(s), and be written as a Question and Reply in the same format as existing Cases. Requests for Cases should also indicate the applicable edition(s) of the Standard to which the proposed Case applies.

**Interpretations.** Upon request, the CAR Standards Committee will render an interpretation of any requirement of the Standard. Interpretations can only be rendered in response to a written request sent to the Secretary of the CAR Standards Committee.

Requests for interpretation should preferably be submitted through the online Interpretation Submittal Form. The form is accessible at <http://go.asme.org/InterpretationRequest>. Upon submittal of the form, the Inquirer will receive an automatic e-mail confirming receipt.

If the Inquirer is unable to use the online form, he/she may mail the request to the Secretary of the CAR Standards Committee at the above address. The request for an interpretation should be clear and unambiguous. It is further recommended that the Inquirer submit his/her request in the following format:

- Subject: Cite the applicable paragraph number(s) and the topic of the inquiry in one or two words.
- Edition: Cite the applicable edition of the Standard for which the interpretation is being requested.
- Question: Phrase the question as a request for an interpretation of a specific requirement suitable for general understanding and use, not as a request for an approval of a proprietary design or situation. Please provide a condensed and precise question, composed in such a way that a “yes” or “no” reply is acceptable.
- Proposed Reply(ies): Provide a proposed reply(ies) in the form of “Yes” or “No,” with explanation as needed. If entering replies to more than one question, please number the questions and replies.
- Background Information: Provide the Committee with any background information that will assist the Committee in understanding the inquiry. The Inquirer may also include any plans or drawings that are necessary to explain the question; however, they should not contain proprietary names or information.

Requests that are not in the format described above may be rewritten in the appropriate format by the Committee prior to being answered, which may inadvertently change the intent of the original request.

Moreover, ASME does not act as a consultant for specific engineering problems or for the general application or understanding of the Standard requirements. If, based on the inquiry information submitted, it is the opinion of the Committee that the Inquirer should seek assistance, the inquiry will be returned with the recommendation that such assistance be obtained.

ASME procedures provide for reconsideration of any interpretation when or if additional information that might affect an interpretation is available. Further, persons aggrieved by an interpretation may appeal to the cognizant ASME Committee or Subcommittee. ASME does not “approve,” “certify,” “rate,” or “endorse” any item, construction, proprietary device, or activity.

**Attending Committee Meetings.** The CAR Standards Committee regularly holds meetings and/or telephone conferences that are open to the public. Persons wishing to attend any meeting and/or telephone conference should contact the Secretary of the CAR Standards Committee.



# **STATEMENT OF POLICY ON THE USE OF THE ASME SINGLE CERTIFICATION MARK AND CODE AUTHORIZATION IN ADVERTISING**

ASME has established procedures to authorize qualified organizations to perform various activities in accordance with the requirements of the ASME Boiler and Pressure Vessel Code. It is the aim of the Society to provide recognition of organizations so authorized. An organization holding authorization to perform various activities in accordance with the requirements of the Code may state this capability in its advertising literature.

Organizations that are authorized to use the ASME Single Certification Mark for marking items or constructions that have been constructed and inspected in compliance with the ASME Boiler and Pressure Vessel Code are issued Certificates of Authorization. It is the aim of the Society to maintain the standing of the ASME Single Certification Mark for the benefit of the users, the enforcement jurisdictions, and the holders of the ASME Single Certification Mark who comply with all requirements.

Based on these objectives, the following policy has been established on the usage in advertising of facsimiles of the ASME Single Certification Mark, Certificates of Authorization, and reference to Code construction. The American Society of Mechanical Engineers does not “approve,” “certify,” “rate,” or “endorse” any item, construction, or activity and there shall be no statements or implications that might so indicate. An organization holding the ASME Single Certification Mark and/or a Certificate of Authorization may state in advertising literature that items, constructions, or activities “are built (produced or performed) or activities conducted in accordance with the requirements of the ASME Boiler and Pressure Vessel Code,” or “meet the requirements of the ASME Boiler and Pressure Vessel Code.” An ASME corporate logo shall not be used by any organization other than ASME.

The ASME Single Certification Mark shall be used only for stamping and nameplates as specifically provided in the Code. However, facsimiles may be used for the purpose of fostering the use of such construction. Such usage may be by an association or a society, or by a holder of the ASME Single Certification Mark who may also use the facsimile in advertising to show that clearly specified items will carry the ASME Single Certification Mark.

# CONFORMITY ASSESSMENT REQUIREMENTS

## 1 INTRODUCTION

### 1.1 Scope

This Standard specifies the requirements for accreditation and certification of organizations supplying products and/or services that are intended to conform to the requirements of ASME standards listed in [Tables 1.1-1](#) and [1.1-2](#).

### 1.2 Definitions

*Applicant:* a company applying for ASME accreditation or certification.

*ASME Certificate:* a certificate issued by ASME to attest to an organization's capabilities to provide items or services in conformance to the governing standard. The types of certificates issued include, but are not limited to, Certificate of Authorization, Certificate of Accreditation, and Certificate of Acceptance.

*ASME Designated Organization:* an entity appointed by ASME to perform an administrative activity in accordance with an applicable code or standard.

*ASME Designee:* an individual authorized by ASME to perform administrative functions on its behalf.

*audit:* a documented evaluation performed to verify, by examination of objective evidence, that those selected elements of a previously approved quality management system have been developed, documented, and implemented in accordance with specific requirements. An audit does not include surveillance or inspection for the purpose of process control, or acceptance of material or items.

*Authorized Inspection Agency:* an organization accredited by ASME in accordance with ASME QAI-1.

*Authorized Observer:* an employee of the pressure relief device testing laboratory who is authorized by ASME under a current Certificate of Acceptance to provide supervision and oversight of capacity certification testing and verify the results.

*Certificate Holder:* an organization that has been evaluated by ASME and is in possession of an ASME Certificate.

*Certified Individual:* an individual employee of the Certificate Holder who is authorized by ASME under a Certificate of Authorization to apply the ASME Single Certification Mark on items that are in conformance with the governing standard, and who may serve as

the Certificate Holder's authorized representative responsible for signing data reports or certificates of conformance.

*Enforcement Authority:* a government entity that enforces regulations or laws and that formally recognizes an ASME code or standard as a means of compliance with those regulations or laws.

*evaluation:* an assessment performed to determine the capabilities of an organization to meet the requirements of the governing standard. The governing standard identifies the type of evaluation to be performed, i.e., audit, interview, review, survey.

*Field Site:* the location of final permanent installation of pressure-retaining equipment. All construction activities may be performed at this site.

*governing standard:* the code or standard that establishes the technical conformance requirements for the product and/or service.

*organization:* a legal entity that holds, or has applied for, an ASME Certificate.

*Qualified Inspection Organization:* an organization accredited by ASME in accordance with ASME QAI-1.

*quality management system:* an all-inclusive term that covers quality assurance, quality control, quality system, or quality program, depending on the requirements of the governing standard.

*review:* evaluation of a manufacturer's quality control system, including a demonstration of conformance with Sections of the ASME Boiler and Pressure Vessel Code covered by the scope of the Certificate(s) being applied for, including, as applicable, design, material, fabrication, examination, testing, inspection, and certification. This term is not applicable to certification programs addressed under Section III of the ASME Boiler and Pressure Vessel Code.

*Society:* The American Society of Mechanical Engineers.

*survey:* documented evaluation of an organization's capability to provide an item in conformance with the governing standard as verified by a determination of the adequacy of the organization's quality management system and by review of the implementation of that quality management system at the location of the work.

*Team Leader:* an ASME Designee who is also a member of the team, who has complete responsibility for the conduct of the audit, interview, investigation, review, or survey.

*Temporary Location:* a location under the control of the Certificate Holder other than the location listed on the Certificate of Authorization or Field Site, where Code activities are performed.

## 2 ACCREDITATION AND CERTIFICATION PROCESS

### 2.1 Application

**2.1.1** Any organization desiring an ASME Certificate shall apply to ASME. The application and related contract, forms, and information may be obtained from the ASME Conformity Assessment department ([www.asme.org](http://www.asme.org)).

**2.1.2** An application for each facility shall be submitted when an organization plans to produce items conforming to the requirements of ASME codes and standards, listed in [Table 1.1-1](#), at more than one location.

**2.1.3** The organization shall obtain and retain a copy of the governing standard(s) from an authorized seller of ASME codes and standards. Reproductions and translations from other sources are not acceptable for ASME accreditation and certification.

**2.1.4** The organization shall agree that each ASME Certificate and each ASME Single Certification Mark are, and remain at all times, the property of ASME, that they will be used only in accordance with the governing standard, and that they will be promptly returned to ASME upon request, or when the organization discontinues the code or standard activities covered by the Certificate, or when the Certificate of Authorization has expired and a new Certificate has not been issued.

### 2.2 Quality Management System

**2.2.1** Any organization holding or applying for an ASME Certificate shall demonstrate a quality management system that establishes that all requirements of the governing standard will be met. The quality management system shall be in accordance with the governing standard specified in [Table 1.1-1](#) or [Table 1.1-2](#).

The organization shall

(a) make available to the ASME Designees a copy of the quality management system manual during ASME's evaluation of the system

(b) provide the ASME Designees with access to all documents and areas covered under the scope of the quality management system

(c) require a controlled copy of the accepted quality management system manual to be filed with ASME or ASME Designated Organization when indicated in [Table 1.1-1](#) or [Table 1.1-2](#)

**2.2.2** A written description of the quality management system shall be provided in a quality management system manual that establishes the responsibilities, authority, and controls for the system and identifies the documents

and procedures the organization will use to provide an item and/or service that conforms to the applicable standard. The quality management system manual shall be available for review and acceptance by the individual identified in [Table 1.1-1](#) or [Table 1.1-2](#) prior to its implementation.

**2.2.2.1** When work is to be completed at field sites or temporary locations, the quality management system manual shall describe the controls of the activities to be performed.

**2.2.3** An organization may make changes to its quality management system reflecting changes to its methods of achieving the results required to conform to a particular standard. These changes are subject to acceptance by the entity identified in [Table 1.1-1](#) or [Table 1.1-2](#) prior to their implementation. Depending on how substantive and extensive the changes are, an on-site evaluation may be required to demonstrate the changes.

### 2.3 Evaluation of the Quality Management System

**2.3.1 General.** The issuance or renewal of an ASME Certificate is based upon ASME's evaluation and acceptance of the quality management system. The type of evaluation (audit, interview, review, survey) performed is determined by the governing standard.

**2.3.2 Program Implementation and/or Demonstration.** The organization's quality management system and its implementation shall be evaluated by a team established by ASME.

(a) The organization shall demonstrate all elements of its quality management system to show knowledge, understanding, and ability to produce the items (including services) covered by the quality management system. The organization may use current work, a mock-up, or a combination of the two to demonstrate the ASME-required elements of the quality management system. If at the time of the evaluation there is work being performed in-house under the accepted quality management system manual, it shall be included as part of the demonstration and evaluated by the team.

Alternatively, on initial application for designated oversight activities to be performed under an AIA Certificate of Accreditation, the employment of Inspectors and Supervisors may be demonstrated by having been issued Provisional Acceptance from the National Board of Boiler and Pressure Vessel Inspectors in accordance with its established criteria (NB-360) and evidence issued from the National Board that the Applicant's employees to whom commissions and applicable endorsements will be issued meet the National Board Rules for Commissioned Inspectors. Pursuant to [para. 2.3.5](#), inspections shall not be performed until Inspectors have received their National Board Commissions and applicable

endorsements, and an active AIA Certificate of Accreditation after completing the first interim program audit.

(b) The team shall visit all addresses identified on an ASME Certificate of Authorization to witness and evaluate the activities being performed at that site under the quality management system.

Alternatively, for the designated oversight activities performed by an Authorized Inspection Agency (AIA) or Qualified Inspection Organization (QIO) under a Certificate of Accreditation, the team shall visit the address(es) identified on the application form. The identified address(es) is the location(s) where inspection activities are controlled. It is not necessary to survey each office or location covered by the same program provided documentation is made available to the survey team.

(c) Under certain conditions, the quality management system may be implemented before receipt of a Certificate of Authorization (see [para. 2.3.5](#)).

**2.3.3 Capacity Certification Testing.** For Certificates of Authorization requiring capacity certification testing as indicated in [Table 1.1-1](#), the organization shall demonstrate to the satisfaction of the ASME Designee that the manufacturing, production, test facilities, and quality control procedures ensure close agreement between the performance of random production samples and the performance of those devices submitted for capacity certification. The organization shall successfully complete operational and capacity tests in accordance with the governing standard in the presence of an ASME Designee at the ASME-accepted testing laboratory.

**2.3.4 Written Report of Evaluation.** The Team Leader shall submit a written report containing the results of the organization's demonstration of its quality management system. This report is reviewed by ASME, which will either issue an ASME Certificate or notify the organization of deficiencies revealed during the evaluation. If deficiencies cannot be closed during the evaluation process, the organization will either be given the opportunity to correct the open deficiencies or be informed that a reevaluation is required.

**2.3.5 Implementation of the Quality Management System Before Receipt of a Certificate of Authorization.** An Applicant whose program requires designated oversight by an Authorized Inspection Agency (see [Table 1.1-1](#)) may start fabricating items that are intended to conform to the applicable governing standard before receipt of a Certificate of Authorization under the following conditions:

(a) The activities are done with the participation and acceptance of the Authorized Inspection Agency.

(b) The activities shall have been performed in conformance with the Applicant's accepted quality management system (see [Table 1.1-1](#)).

(c) The item is marked with the ASME Single Certification Mark and certified only after the Applicant receives the ASME Certificate of Authorization.

## 2.4 Issuance of an ASME Certificate

**2.4.1** ASME Certificates are issued by ASME at its discretion and when the proper administrative fee is paid. The authorization to apply the ASME Single Certification Mark is granted through issuance of a Certificate of Authorization. The certificate will identify the Certification designator to be used and the scope, including the type of shop operations, field operations, or both. Authorization to use the ASME Single Certification Mark may be withheld by ASME at its discretion.

The Society may, based upon a request from the Certificate Holder or as a result of a survey or audit by the Society or AIA, limit or extend the scope of an authorization to any types or classes of items or to a specific location.

**2.4.2** ASME Certificates are valid from the date of issuance for the period shown in [Table 1.1-1](#) or [Table 1.1-2](#).

**2.4.3** ASME may at any time impose new requirements or revise existing requirements concerning the issuance and use of the ASME Certificate and the ASME Single Certification Mark as it deems appropriate, and all such requirements shall become binding upon the Holders of valid Certificates.

## 2.5 Maintaining an ASME Certificate

**2.5.1** The Certificate Holder shall contact ASME regarding any changes to the address, name, location, or scope on their ASME Certificate. Depending on how substantive and extensive the changes are, an on-site evaluation may be required to demonstrate the changes. The need for and type of evaluation will be determined by ASME based upon the complexity, magnitude, or impact of the change.

**2.5.2** The Certificate Holder shall contact ASME regarding the use of a temporary location. The Certificate Holder shall be subject to an on-site audit of the temporary location. ASME acceptance of a temporary location for use by the Certificate Holder shall be through the issuance of a Temporary Location endorsement letter.

**2.5.3** Certificate Holders are subject to evaluations at any time by an ASME Designee when authorized by ASME.

**2.5.4** [Tables 1.1-1](#) and [1.1-2](#) identify which accreditation and certification programs require interim audits to be performed as a requirement for maintaining its Certificate.

**2.5.5** ASME may investigate an organization for allegations of nonconformance with the requirements of the governing standard.

## 2.6 Renewal

Certificate Holders are responsible for applying for renewal of their certificate(s) prior to expiration at a time specified by ASME.

## 2.7 Suspension

**2.7.1** ASME may suspend a Certificate Holder's certificate(s) for nonconformance with ASME requirements.

**2.7.2** When a Certificate of Authorization is suspended, the suspension prohibits the Certificate Holder from applying the ASME Single Certification Mark and performing certification activities.

**2.7.3** When a Certificate of Accreditation or Certificate of Acceptance is suspended, the suspension prohibits the Certificate Holder from performing any activities under the accredited program.

## 2.8 Withdrawal

ASME may withdraw a Certificate Holder's certificate(s) for nonconformance with ASME requirements.

## 2.9 Appeal

An organization may request reconsideration of adverse conformity assessment decisions by ASME. Additional information on due process proceedings will be provided by ASME upon request.

## 2.10 Confidentiality

Information learned about an applicant who is a current or former Certificate Holder will be held in strict confidence in accordance with ASME's policies and procedures. The information learned is for the purpose of processing, evaluating, and maintaining ASME accreditation or certification, and will not be discussed with anyone outside of the accreditation or certification process.

## 3 DESIGNATED OVERSIGHT

Each ASME certification program that uses the ASME Single Certification Mark shall provide for one (or more, where applicable) of the following types of designated oversight as specified in [Table 1.1-1](#): Authorized Inspection Agency, Qualified Inspection Organization, or Certified Individual. The type(s) of designated oversight used shall be identified and described in the quality management system manual (see [para. 2.2.2](#)).

### 3.1 Authorized Inspection Agency (AIA)

A list of ASME-Accredited Authorized Inspection Agencies (AIA) is available on ASME's website. An organization seeking to obtain, renew, and maintain a Certificate of Authorization shall identify an AIA on its application. The AIA

identified on the application is hereafter known as the AIA of Record.

**3.1.1 Inspection Agreement.** As a condition of obtaining, maintaining, and working under certain types of ASME Certificates of Authorization (Sections I, III, IV, VIII, X, and XII of the ASME Boiler and Pressure Vessel Code), the Certificate Holder must have in force at all times, an inspection contract or agreement with an accredited Authorized Inspection Agency (AIA). This inspection agreement is a written agreement between the organization and the AIA that specifies the terms and conditions under which inspection services are to be furnished and that states the mutual responsibilities of the organization and the AIA. A Certificate Holder shall notify ASME whenever its agreement with an AIA is canceled or changed to another AIA.

**3.1.2 AIA of Record.** The AIA identified on the ASME application for a new issuance, renewal of Certificate of Authorization, current inspection contract, or agreement with an AIA is known as, and hereafter referred to as, the Authorized Inspection Agency of Record. The AIA of Record is responsible for all inspection services under the scope of the Certificate of Authorization.

**3.1.3 Use of Additional AIAs.** Certificate Holders shall submit a request to ASME for the use of an additional AIA.

(a) ASME may grant the use of an additional AIA in lieu of the AIA of Record when

(1) the AIA of Record confirms it is unable to perform the required inspections, or

(2) the item will be supplied to a second party, who is a valid ASME Certificate Holder, and the contract requires the use of the second party's AIA of Record

(b) When additional AIAs perform required inspections, the Certificate Holder's quality management system shall include the following:

(1) how different AIAs will perform activities under the Certificate Holder's quality management system

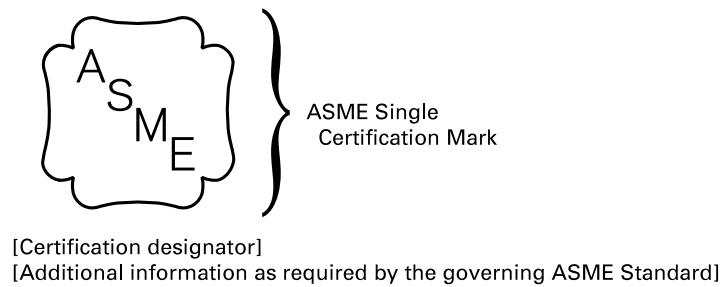
(2) evidence that the AIA performing the field or shop activities, or both, has a contract or agreement with the Certificate Holder

(3) evidence that this quality management system has been accepted by the AIA of Record

(c) All additional AIAs performing work other than the Certificate Holder's AIA of Record during a 3-yr certification period at a shop or field site may be required to be present during the Certificate Holder's renewal and/or make available bound diaries.

(d) At the discretion of ASME, ASME is permitted to audit the activities at a shop or field sites performed by the Certificate Holder and the additional AIA, at the expense of the Certificate Holder.

(e) The provisions for the use of an AIA other than the AIA of Record are not permitted for facilities operating under mass production provisions of the Code.

**Figure 5.1.1-1 ASME Single Certification Mark and Placement of Certification Designator**

**3.1.4 Authorized Inspectors (AI).** An Authorized Inspector (AI) is qualified and designated as an AI by his employer, the AIA. The AI shall possess a valid National Board Commission Card when performing inspection activities.

### 3.2 Certified Individual (CI)

The Certified Individual (CI) shall be qualified and certified by the Certificate Holder to criteria specified in the governing standard. The qualification and certification are subject to evaluation by ASME Designees. The CI is neither an AI as described in [para. 3.1.4](#) nor a Qualified Inspector providing inspections as an employee of a Qualified Inspection Organization as described in [para. 3.3](#).

The quality management system shall establish measures to designate, train, qualify, and certify an individual(s) to perform the duties of a CI.

### 3.3 Qualified Inspection Organization (QIO)

A list of ASME-accredited Qualified Inspection Organizations (QIO) is available on ASME's website. An organization seeking to obtain, renew, and maintain a Certificate of Authorization shall identify a QIO on its application. A QIO is not an AIA as described in [para. 3.1](#), and is not an entity authorized by ASME to use the ASME Single Certification Mark.

## 4 DATA REPORTS

Data reports shall be as specified in the governing standard.

## 5 ASME SINGLE CERTIFICATION MARK AND CERTIFICATION DESIGNATOR

### 5.1 Marking Items With the ASME Single Certification Mark and Certification Designator

**5.1.1** The arrangement of the ASME Single Certification Mark and the placement of the certification designator and additional information shall be as shown in [Figure 5.1.1-1](#).

**5.1.2** The Certificate Holder is responsible for producing the appropriate certification designator. The certification designator is a letter or alphanumeric symbol, as shown in [Table 1.1-1](#), used to describe the item being certified and to identify the governing standard used in establishing the technical requirements of the item.

**5.1.3** The ASME Single Certification Mark and certification designator and all markings required by the governing standard shall be discernible.

**5.1.4** The ASME Single Certification Mark and certification designator shall be marked either directly on the item or on a nameplate as permitted by the governing standard.

**5.1.5** Nameplates may be either metallic or nonmetallic as permitted by the governing standard.

**5.1.6** Where used, the nameplate shall be permanently attached. When the nameplate attachment is by adhesive means, it shall be only when permitted by and in accordance with the requirements of the governing standard.

**5.1.7** The following shall apply when the ASME Single Certification Mark is not made by direct application of the ASME-issued stamp:

(a) the marking may be made by casting, embossing, engraving, etching, dot peening, or any other process that will leave a legible and permanent image

(b) the applied ASME Single Certification Mark shall be the same shape and configuration as the ASME-issued stamp

(c) the process controls for the method of marking shall be described in the Quality Management System Manual and found acceptable by either the ASME Designee or the Authorized Inspector, as applicable

**5.1.8** When the ASME Single Certification Mark and certification designator are applied to the certified document, the document shall identify the Certificate number and the expiration date of the Certificate.

## 5.2 Authorization and Time of Marking

A Certificate Holder is authorized to apply the ASME Single Certification Mark when in possession of a valid Certificate of Authorization. The ASME Single Certification Mark, in conjunction with the certification designator, shall be applied by the Certificate Holder only with the approval of the Authorized Inspector or Certified Individual, as applicable, and after all inspections and testing required by the governing standard and the quality management system have been satisfactorily completed. Such application of the ASME Single Certification Mark, together with final certification in accordance with the requirements of the governing standard, shall confirm that all applicable requirements have been satisfied.

## 5.3 Control

The Certificate Holder shall not allow any other organization to use the ASME Single Certification Mark.

## 5.4 Reapplication of an ASME Single Certification Mark

**5.4.1** After an item has been certified under an ASME standard, if the stamping of the ASME Single Certification Mark with appropriate designator becomes indistinct or the nameplate is illegible or lost, but traceability to the original certification can be established, the ASME Single Certification Mark and designator may be reapplied to the item. For the purpose of this provision, application of the ASME Single Certification Mark with the appropriate designator shall be equivalent to the Code Symbol stamping required by earlier Code editions and addenda if applicable.

**5.4.2** Reapplication of the ASME Single Certification Mark and designator shall only apply to finished and completed components, and shall not apply to parts that have been assembled/installed into a finished component.

**5.4.3** Reapplication of the ASME Single Certification Mark and designator shall only be permitted under the following conditions:

(a) The Owner has requested the reapplication of the ASME Single Certification Mark and designator by the original Certificate Holder.

(b) Where applicable, the jurisdiction has granted permission for the reapplication.

(c) The reapplication shall be performed by the original Certificate Holder. Where responsibility for the original Code certification has been maintained, reapplication by a successor organization to the original Certificate holder is permitted.

(d) The reapplication shall be authorized and witnessed by an inspector employed by an accredited Inspection Agency meeting the applicable parts of the ASME QAI-1 Standard and possessing a valid ASME Certi-

ificate of Accreditation with the appropriate scope of activity. The type of Inspector (AI, ANI, CI, QI) providing designated oversight for the protection of the ASME Single Certification Mark is governed by the relevant standard on which the ASME Single Certification Mark is based. An AI may perform the activity for a CI or QI. (See [section 3.](#))

(e) Reapplication of the ASME Single Certification Mark and designator shall be documented on [Form CA-1-1](#), Certificate of Conformance for Reapplication of the ASME Single Certification Mark. The completed Certificate of Conformance for Reapplication of the ASME Single Certification Mark shall be distributed, attached to, and retained as required for the original Manufacturer's Data Report or Certificate of Conformance.

**5.4.4** Reapplication of the ASME Single Certification Mark and designator shall only be provided to restore evidence of original compliance with the ASME standard when newly constructed. Reapplication of the ASME Single Certification Mark and designator shall not be applied to indicate that the current condition of the item conforms to the original requirements of the governing standard at the time of construction, nor the current requirements of the governing standard, nor to any different requirements than originally constructed.

## 6 ACCREDITATION OF TESTING LABORATORIES AND ACCEPTANCE OF AUTHORIZED OBSERVERS

### 6.1 Scope

These rules cover the ASME accreditation of testing laboratories and acceptance of Authorized Observers for conducting capacity certification tests of pressure relief devices.

### 6.2 Test Facilities and Supervision

The tests shall be conducted at a place where the testing facilities, methods, and procedures meet the applicable requirements of ASME PTC 25, Pressure Relief Devices. The tests shall be made under the supervision of and certified by the Authorized Observer. The testing facilities, methods, and procedures shall be subject to the acceptance of ASME on recommendation of an ASME Designee. Acceptance of the testing facility is subject to review within each 5-yr period. The testing laboratory shall have available for reference a copy of ASME PTC 25 and the governing standard.

### 6.3 Accreditation of Testing Facilities

An ASME-designated Organization shall review the organization's quality management system and testing facility, and shall witness pressure relief device performance as well as flow testing and capacity testing of fixed objects. Before a favorable recommendation can

be made to ASME, the testing facility must meet all applicable requirements of ASME PTC 25. The results of flow tests on a fixed-flow object tested at the Applicant's testing laboratory shall be compared to flow test results on the same object tested at a designated ASME-accredited testing laboratory. The results of this comparison shall be within  $\pm 2\%$ . If comparison testing results fall outside the  $\pm 2\%$  range, then corrective action shall be submitted by the Applicant and testing repeated until acceptable corrective action and test results are obtained.

#### **6.4 Quality Control System of Testing Laboratory**

**6.4.1** The organization shall prepare a written description of the quality management system that shall clearly establish the authority and responsibility of those in charge of the quality management system. The written description shall include a description of the testing facility, testing arrangements, pressure, size and capacity limitations, and the testing medium used. An organizational chart showing the relationship among the laboratory personnel shall also be included.

**6.4.2** The written description shall include, as a minimum, requirements of the governing standard and ASME PTC 25, including, but not limited to, a description

of document control; the procedures followed when conducting tests; and the methods used to calibrate test instruments and gages, calculate test results, and identify and resolve nonconformities. Sample forms shall be included. If testing procedure specifications or other similar documents are referenced, the written description shall describe the methods of their approval and control.

#### **6.5 Testing Procedures**

Testing procedures shall be in accordance with the governing standard.

#### **6.6 Authorized Observers**

Authorized Observers shall meet the qualifications and responsibilities of supervising the test as described in ASME PTC 25.

An ASME Designee shall review and evaluate the experience and qualifications of an individual wishing to be designated an Authorized Observer. Acceptance of the Authorized Observer shall be subject to recommendation by the ASME Designee and acceptance by ASME. ASME Acceptance of the Authorized Observer is subject to review within every 5 yr.



**Table 1.1-1 ASME Certification Programs**

<b>ASME Certification Designator and Description</b>	<b>Governing ASME Standard</b>	<b>Certification Period, yr</b>	<b>Designated Oversight</b>	<b>Acceptance of Quality Management System Manual</b>	<b>Additional Requirements</b>
A — Boiler Assembly	Boiler and Pressure Vessel Code, Section I	3	Authorized Inspection Agency	Authorized Inspector	...
BPE — Bioprocessing Equipment	BPE, Bioprocessing Equipment	5	Certified Individual	ASME Designee	Two interim unannounced audits during certification period Controlled copy of quality management system manual filed with ASME
E — Electric Boiler	Boiler and Pressure Vessel Code, Section I	3	Authorized Inspection Agency and Certified Individual	Authorized Inspector	...
H — Heating Boiler (except cast iron and cast aluminum)	Boiler and Pressure Vessel Code, Section IV	3	Authorized Inspection Agency	Authorized Inspector	...
H — Heating Boiler (cast iron and/or cast aluminum)	Boiler and Pressure Vessel Code, Section IV	1	Certified Individual	ASME Designee	Controlled copy of quality management system manual filed with ASME
HLW — Potable Water Heater and Storage Tanks	Boiler and Pressure Vessel Code, Section IV	3	Authorized Inspection Agency	Authorized Inspector	...
HV — Heating Boiler Safety Relief Valve	Boiler and Pressure Vessel Code, Section IV	3	Certified Individual	ASME Designee	Capacity certification test Controlled copy of quality management system manual filed with the ASME-designated Organization
M — Miniature Boiler	Boiler and Pressure Vessel Code, Section I	3	Authorized Inspection Agency	Authorized Inspector	...
PP — Pressure Piping	Boiler and Pressure Vessel Code, Section I	3	Authorized Inspection Agency	Authorized Inspector	...
PRT I — Part, Section I	Boiler and Pressure Vessel Code, Section I	3	Authorized Inspection Agency	Authorized Inspector	...
PRT IV — Part, Section IV	Boiler and Pressure Vessel Code, Section IV	3	Authorized Inspection Agency	Authorized Inspector	...
PRT VIII-1 — Part, Section VIII, Div. 1	Boiler and Pressure Vessel Code, Section VIII, Division 1	3	Authorized Inspection Agency	Authorized Inspector	...
PRT VIII-2 — Part, Section VIII, Div. 2	Boiler and Pressure Vessel Code, Section VIII, Division 2	3	Authorized Inspection Agency	Authorized Inspector	...
PRT XII — Part, Section XII	Boiler and Pressure Vessel Code, Section XII	3	Authorized Inspection Agency	Authorized Inspector	...
RP — Reinforced Plastic Vessel	Boiler and Pressure Vessel Code, Section X	3	Authorized Inspection Agency	Authorized Inspector	...

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**Table 1.1-1 ASME Certification Programs (Cont'd)**

<b>ASME Certification Designator and Description</b>	<b>Governing ASME Standard</b>	<b>Certification Period, yr</b>	<b>Designated Oversight</b>	<b>Acceptance of Quality Management System Manual</b>	<b>Additional Requirements</b>
RTP — Corrosion-Resistant Equipment	RTP-1, Reinforced Thermoset Plastic Corrosion-Resistant Equipment	3	Certified Individual	ASME Designee	Two annual audits during certification period Controlled copy of quality management system manual filed with ASME
S — Power Boiler	Boiler and Pressure Vessel Code, Section I	3	Authorized Inspection Agency	Authorized Inspector	...
T — Transport Tank	Boiler and Pressure Vessel Code, Section XII	3	Authorized Inspection Agency, Certified Individual, or Qualified Inspection Organization	Authorized Inspector when providing designated oversight; otherwise, by ASME Designee	Controlled copy of quality management system manual filed with ASME when designated oversight is performed by Certified Individual or Qualified Inspection Organization
TD — Transport Tank Pressure Relief Device	Boiler and Pressure Vessel Code, Section XII	3	Certified Individual	ASME Designee	Capacity certification test Controlled copy of quality management system manual filed with the ASME-designated Organization
TV — Transport Tank Pressure Relief Valve	Boiler and Pressure Vessel Code, Section XII	3	Certified Individual	ASME Designee	Capacity certification test Controlled copy of quality management system manual filed with the ASME-designated Organization
U — Pressure Vessel, Division 1	Boiler and Pressure Vessel Code, Section VIII, Division 1	3	Authorized Inspection Agency	Authorized Inspector	...
U2 — Pressure Vessel, Division 2	Boiler and Pressure Vessel Code, Section VIII, Division 2	3	Authorized Inspection Agency	Authorized Inspector	...
U3 — Pressure Vessel, Division 3	Boiler and Pressure Vessel Code, Section VIII, Division 3	3	Authorized Inspection Agency	Authorized Inspector	...
UD — Pressure Vessel Pressure Relief Device	Boiler and Pressure Vessel Code, Section VIII, Division 1	3	Certified Individual	ASME Designee	Capacity certification test Controlled copy of quality management system manual filed with the ASME-designated Organization
UD3 — Pressure Vessel Pressure Relief Device	Boiler and Pressure Vessel Code, Section VIII, Division 3	3	Certified Individual	ASME Designee	Controlled copy of quality management system manual filed with the ASME-designated Organization
UM — Miniature Vessel	Boiler and Pressure Vessel Code, Section VIII, Division 1	1	Certified Individual	Authorized Inspector	...

**Table 1.1-1 ASME Certification Programs (Cont'd)**

<b>ASME Certification Designator and Description</b>	<b>Governing ASME Standard</b>	<b>Certification Period, yr</b>	<b>Designated Oversight</b>	<b>Acceptance of Quality Management System Manual</b>	<b>Additional Requirements</b>
UV — Pressure Vessel Pressure Relief Valve	Boiler and Pressure Vessel Code, Section VIII, Division 1	3	Certified Individual	ASME Designee	Capacity certification test Controlled copy of quality management system manual filed with the ASME-designated Organization
UV3 — Pressure Vessel Pressure Relief Valve, Division 3	Boiler and Pressure Vessel Code, Section VIII, Division 3	3	Certified Individual	ASME Designee	Capacity certification test Controlled copy of quality management system manual filed with the ASME-designated Organization
V — Boiler Safety Relief Valve	Boiler and Pressure Vessel Code, Section I	3	Certified Individual	ASME Designee	Capacity certification test Controlled copy of quality management system manual filed with the ASME-designated Organization

**Table 1.1-2 ASME Accreditation Programs**

<b>Program Type</b>	<b>Governing ASME Standard</b>	<b>Accreditation Period, yr</b>	<b>Acceptance of Quality Management System Manual</b>	<b>Additional Requirements</b>
Authorized Inspection Agency (AIA)	QAI-1, Qualifications for Authorized Inspections	3	ASME Designee	Controlled copy of quality management system manual filed with ASME Newly accredited organizations subjected to on-site audit around first anniversary date of accreditation Subject to a planned audit program
Testing Laboratory for Pressure Relief Devices and Authorized Observers	Applicable ASME BPV Code Sections and ASME PTC 25	5	ASME Designee	Controlled copy of quality management system manual filed with National Board

**FORM CA-1-1 CERTIFICATE OF CONFORMANCE FOR REAPPLICATION OF THE ASME SINGLE CERTIFICATION MARK  
In Accordance With Provisions of the ASME CA-1 Standard**

1. Manufactured by: \_\_\_\_\_ (1)  
(Name and address)

2. Manufactured for: \_\_\_\_\_ (2)  
(Name and address)

3. Location of Installation: \_\_\_\_\_ (3)  
(Name and address)

4. Item Description: \_\_\_\_\_ (4) \_\_\_\_\_ (5) \_\_\_\_\_ (5) \_\_\_\_\_ (5)  
(Boiler/pressure vessel, etc.) (Mfg. Data Report Form) (Symbol Stamp or Designator applied) (Year built)

5. Item Identification: \_\_\_\_\_ (6) \_\_\_\_\_ (6) \_\_\_\_\_ (6) \_\_\_\_\_ (6)  
(Manufacturer's Serial no.) (National Board no.) (Jurisdiction no.) (Other)

6. Original Construction Code: \_\_\_\_\_ (7) \_\_\_\_\_ (7) \_\_\_\_\_ (7)  
(Name/Section/Division) (Edition/Addenda, if applicable) (Code Cases)

7. Traceability to Code Certification. (Attach a copy of the original Manufacturer's Data Report.): \_\_\_\_\_ (8)

8. Remarks: \_\_\_\_\_ (9)

**REAPPLICATION REQUEST**

Authorization is requested to have the ASME Single Certification Mark and designator reapplied on the above described item in accordance with the rules of the ASME CA-1 Standard.

Owner \_\_\_\_\_ (10)  
(Name and address)

Signature \_\_\_\_\_ (11) Title \_\_\_\_\_ (11) Date \_\_\_\_\_ (11)  
(Authorized Representative)

**JURISDICTIONAL AUTHORIZATION**

Authorization is granted to reapply the ASME Single Certification Mark and designator on the above described item in accordance with the rules of the ASME CA-1 Standard.

Jurisdiction \_\_\_\_\_ (12)

Signature \_\_\_\_\_ (13) Date \_\_\_\_\_ (13)  
(Authorized Representative)

**REAPPLICATION CERTIFICATION**

I certify that to the best of my knowledge and belief, the statements in this Certificate of Conformance are correct and that the reapplication of the ASME Single Certification Mark and designator is in accordance with provisions of the ASME CA-1 Standard. Furthermore, it is understood that reapplication of the ASME Single Certification Mark and designator is provided to restore evidence of original compliance with the construction code and is not to be construed as endorsement of the identified item in its current condition.

Original Manufacturer \_\_\_\_\_ (14)  
(Name and address)

Responsible Successor Organization \_\_\_\_\_ (15)  
(Name and address)

Signature \_\_\_\_\_ (16) Date \_\_\_\_\_ (16)  
(Authorized Representative)

Designator \_\_\_\_\_ (17) Certificate of Authorization No. \_\_\_\_\_ (17) Expiration Date \_\_\_\_\_ (17)

**DESIGNATED OVERSIGHT BY:**  AIA  QIO  CI (18)

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**CERTIFIED INDIVIDUAL (19)**  N/A

I, the undersigned, as an authorized Certified Individual employed by \_\_\_\_\_ (20) have inspected the reapplication of the ASME Single Certification Mark and designator as described in this Certificate of Conformance, and state to the best of my knowledge and belief the activities described herein have been completed in accordance with rules of the ASME CA-1 Standard.

Inspected by \_\_\_\_\_ (21) Signature \_\_\_\_\_ (21) Date \_\_\_\_\_ (21)  
(Name of individual)

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**AUTHORIZED INSPECTION AGENCY/QUALIFIED INSPECTION ORGANIZATION (22)**  N/A

I, the undersigned, employed by \_\_\_\_\_ (23) have inspected the reapplication of the ASME Single Certification Mark and designator as described in this Certificate of Conformance, and state to the best of my knowledge and belief the activities described herein have been completed in accordance with rules of the ASME CA-1 Standard. By signing this certificate, neither the inspector nor his or her employer makes any warranty, expressed or implied, concerning the activity described in this Certificate of Conformance. Furthermore, neither the inspector nor his or her employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspected by \_\_\_\_\_ (23) Signature \_\_\_\_\_ (24) Date \_\_\_\_\_ (24) Commission \_\_\_\_\_ (25)  
(Inspector) (Jurisdiction, if applicable)

**Guide for Completion of Form CA-1-1**  
**Certificate of Conformance for Reapplication of the ASME Single Certification Mark**

Reference to Circled Numbers in the Form	Description
(1)	Name and address of the original Manufacturer responsible for Code construction.
(2)	Name and address of the Purchaser and/or original Owner.
(3)	Name and address of plant or facility where the item is installed.
(4)	Name of the item documented by this Certificate of Conformance.
(5)	Identify the Manufacturer's Data Report form, Code Symbol stamp or Designator as originally applied to the item, and year built
(6)	Provide identification of the item by applicable numbers as assigned by the Manufacturer. Describe "Other" in the Remarks section.
(7)	Identify the Code name, section, division, edition, addenda (if applicable), and any code cases, as used for construction.
(8)	Describe the basis for establishing traceability of the identified item to the original Code certification. Attach a copy of the original Manufacturer's Data Report. If reapplication is not performed under the same Certificate of Authorization number as the original construction, also describe the basis for establishing continuity to the original Manufacturer.
(9)	Provide any clarifications or additional information as may be appropriate.
(10)	Name and address of the current Owner.
(11)	Signature, date, and title of Owner's authorized representative requesting reapplication of the ASME Single Certification Mark with the appropriate Designator of the item.
(12)	Name of the jurisdiction granting authorization for reapplication of the ASME Single Certification Mark. If not applicable, so indicate.
(13)	Signature and date of authorized representative from the jurisdiction granting authorization for reapplication of the ASME Single Certification Mark. If not applicable, so indicate.
(14)	Name and address of the original Manufacturer.
(15)	Name and address of responsible successor organization to the original Manufacturer. If not applicable, so indicate.
(16)	Signature and date of authorized representative from the original Manufacturer or successor organization providing reapplication of the ASME Single Certification Mark and designator.
(17)	Designator, Certificate of Authorization number, and current expiration date under which the reapplication activity is performed.
(18)	Indicate the type of designated oversight in accordance with the associated certification program, i.e., ASME-accredited Authorization Inspection Agency, Qualified Inspection Organization, or Certified Individual. Complete the appropriate section for the type of oversight conducted. Indicate AIA and complete the Authorized Inspection Agency section when an AI performs activities of a CI or QI.
(19)	This section is to be completed when CI is checked for Designated Oversight. If not applicable, so indicate.
(20)	Identify the employer's name and address of the individual providing verification oversight of the reapplication activity.
(21)	Name, signature, and date of the individual providing verification of the reapplication activity.
(22)	This section is to be completed when AIA or QIO is checked for Designated Oversight. If not applicable, so indicate.
(23)	Name of the inspector providing verification of the reapplication activity.
(24)	Signature and date of the individual providing verification of the reapplication activity.
(25)	Jurisdictional commission of the individual providing verification of the reapplication activity. If not applicable, so indicate.

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