ASME CA-1–2022
(Revision of ASME CA-1–2020)

Conformity Assessment Requirements

AN ASME STANDARD

The American Society of Mechanical Engineers

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The American Society of Mechanical Engineers
Two Park Avenue • New York, NY • 10016 USA

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The next edition of this Standard is scheduled for publication in 2024.

ASME Collective Membership Mark

ASME Single Certification Mark

The American Society of Mechanical Engineers
Two Park Avenue, New York, NY 10016-5990

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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. ASME CA-1 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.

ASME CA-1–2020 included revisions to permit the use of alternate methods of applying the ASME Single Certification Mark. It also provided guidance concerning the reapplication of the ASME Single Certification Mark as well as requirements for the use of the PRT program. New definitions were added, including Temporary Location and Field Site, along with pertinent requirements that provide guidance for their use.

ASME CA-1–2022 includes revisions to Table 1.1-1 to clearly note the governing ASME standard for pressure relief device Certification Designators HV, UV, UD, UV3, UD3, TV, and TD from Sections IV, VIII-1, VIII-3, and XII to Section XIII. It also provides guidance concerning BPV Program Certificates with scopes that include Mass Production, and the QMS Manual needs to be filed with ASME.

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.

ASME COMMITTEE
ON CONFORMITY ASSESSMENT REQUIREMENTS

(The following is the roster of the Committee as of November 2021.)

STANDARDS COMMITTEE OFFICERS

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P. Williams, *Vice Chair*
G. E. Moino, *Secretary*

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CORRESPONDENCE WITH THE CONFORMITY ASSESSMENT REQUIREMENTS (CAR) COMMITTEE

General. ASME codes and standards are developed and maintained by committees with the intent to represent the consensus of concerned interests. Users of ASME codes and standards may correspond with the committees to propose revisions or cases, report errata, or request interpretations. Correspondence for this Standard should be sent to the staff secretary noted on the committee's web page, accessible at https://go.asme.org/CARcommittee.

Revisions and Errata. The committee processes revisions to this Standard on a continuous basis 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 in the next edition of the Standard.

In addition, the committee may post errata on the committee web page. Errata become effective on the date posted. Users can register on the committee web page to receive e-mail notifications of posted errata.

This Standard is always open for comment, and 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 background information and supporting documentation.

Cases

(a) The most common applications for cases are

(1) to permit early implementation of a revision based on an urgent need

(2) to provide alternative requirements

(3) to allow users to gain experience with alternative or potential additional requirements prior to incorporation directly into the Standard

(4) to permit the use of a new material or process

(b) Users are cautioned that not all jurisdictions or owners automatically accept cases. Cases are not to be considered as approving, recommending, certifying, or endorsing any proprietary or specific design, or as limiting in any way the freedom of manufacturers, constructors, or owners to choose any method of design or any form of construction that conforms to the Standard.

(c) A proposed case shall be written as a question and reply in the same format as existing cases. The proposal shall also include the following information:

(1) a statement of need and background information

(2) the urgency of the case (e.g., the case concerns a project that is underway or imminent)

(3) the Standard and the paragraph, figure, or table number(s)

(4) the edition(s) of the Standard to which the proposed case applies

(d) A case is effective for use when the public review process has been completed and it is approved by the cognizant supervisory board. Approved cases are posted on the committee web page.

Interpretations. Upon request, the committee will issue an interpretation of any requirement of this Standard. An interpretation can be issued only in response to a request submitted through the online Interpretation Submittal Form at https://go.asme.org/InterpretationRequest. Upon submitting the form, the inquirer will receive an automatic e-mail confirming receipt.

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 information submitted, it is the opinion of the committee that the inquirer should seek assistance, the request will be returned with the recommendation that such assistance be obtained. Inquirers can track the status of their requests at https://go.asme.org/Interpretations.

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.

Interpretations are published in the ASME Interpretations Database at https://go.asme.org/Interpretations as they are issued.

Committee Meetings. The CAR Standards Committee regularly holds meetings that are open to the public. Persons wishing to attend any meeting should contact the secretary of the committee. Information on future committee meetings can be found on the committee web page at https://go.asme.org/CARcommittee.

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.

ASME CA-1–2022
SUMMARY OF CHANGES

ASME CA-1–2022 includes the following changes identified by a margin note, **(22)**.

Page	*Location*	*Change*
2	2.3.2	In subpara. (b), first sentence revised
4	2.10	First sentence revised
8	Table 1.1-1	(1) Revised
		(2) Notes (1) and (2) added

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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 ASME Boiler and Pressure Vessel Code (ASME BPVC), Sections I, IV, VIII, X, and XII 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 ASME BPVC, Section III.

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.