



# Standard Terminology for Accreditation and Certification<sup>1</sup>

This standard is issued under the fixed designation E2708; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

## 1. Scope

1.1 This terminology defines terms related to accreditation and certification. These terms are compiled from existing ASTM Committee E36 standards and other sources to enable the development of future ASTM documents and to provide guidance on proper usage of the terms. The first edition of this standard contained terms relating to personnel certificate and certification programs and is expanded. The source document for each definition is cited when an appropriate document is available. Many definitions are the product of the committee that compiled this terminology, and as such, are the result of the collected knowledge and experience of the committee members.

1.1.1 Since accreditation and certification are being carried out by many different bodies in many fields, usage of descriptive terms can vary. There is no attempt to include all accreditation and certification terms in this terminology. Rather, this terminology contains those terms most commonly encountered in accreditation and certification programs.

1.2 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

## 2. Referenced Documents

### 2.1 ASTM Standards:<sup>2</sup>

**D4538 Terminology Relating to Protective Coating and Lining Work for Power Generation Facilities**

**E1187 Terminology Relating to Conformity Assessment (Withdrawn 2006)<sup>3</sup>**

**E1424 Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Skylights, Curtain Walls, and Doors Under Specified Pressure and Temperature Differences Across the Specimen**

**E1605 Terminology Relating to Lead in Buildings**

**E1732 Terminology Relating to Forensic Science**

**E1986 Guide for Information Access Privileges to Health Information (Withdrawn 2017)<sup>3</sup>**

**E2135 Terminology for Property and Asset Management**

**E2159 Guide for Selection, Assignment, and Monitoring of Persons To Be Utilized as Assessors/Auditors or Technical Experts**

**E2161 Terminology Relating to Performance Validation in Thermal Analysis and Rheology**

**E2659 Practice for Certificate Programs**

### 2.2 Other Standards:

**ASAE Certification and Accreditation Law Handbook, Second Edition, 2004<sup>4</sup>**

**ICE Basic Guide to Credentialing Terminology, 2006<sup>5</sup>**

**ISO 9000 Quality management systems — Fundamentals and vocabulary, 2015<sup>6</sup>**

**ISO/IEC 17000 Conformity assessment — Vocabulary and general principles, 2020<sup>6</sup>**

**ISO/IEC 17011 Conformity assessment — Requirements for accreditation bodies accrediting conformity assessment bodies, 2017<sup>6</sup>**

**ISO/IEC 17024 Conformity assessment — General requirements for bodies operating certification of persons, 2012<sup>6</sup>**

**ISO/IEC 17050-1 Conformity assessment — Supplier's declaration of conformity — Part 1: General requirements, 2004<sup>6</sup>**

<sup>1</sup> This terminology is under the jurisdiction of ASTM Committee E36 on Accreditation & Certification and is the direct responsibility of Subcommittee E36.95 on Terminology.

Current edition approved Nov. 1, 2023. Published January 2024. Originally approved in 2010. Last previous edition approved in 2021 as E2708 – 21a. DOI: 10.1520/E2708-23.

<sup>2</sup> For referenced ASTM standards, visit the ASTM website, [www.astm.org](http://www.astm.org), or contact ASTM Customer Service at [service@astm.org](mailto:service@astm.org). For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

<sup>3</sup> The last approved version of this historical standard is referenced on [www.astm.org](http://www.astm.org).

<sup>4</sup> Available from American Society of Association Executives (ASAE), 1575 I St. NW, Washington, DC 20005, <https://www.asaecenter.org>.

<sup>5</sup> Available from Institute for Credentialing Excellence (ICE), 2001 K Street NW, 3rd Floor North, Washington, DC 20006, <https://www.credentialingexcellence.org>.

<sup>6</sup> Available from International Organization for Standardization (ISO), ISO Central Secretariat, Chemin de Blandonnet 8, CP 401, 1214 Vernier, Geneva, Switzerland, <https://www.iso.org>.

### 3. Definitions

#### Terms Related to Accreditation

**accreditation**, *n*—third-party attestation related to a body conveying formal demonstration of its competence to carry out specific conformity assessment tasks.

**accreditation body**, *n*—authoritative entity/organization that performs accreditation.

**accreditation body logo**, *n*—emblem used by an accreditation body to identify itself.

DISCUSSION—See definition of **accreditation symbol** in contrast to this definition.

**accreditation certificate**, *n*—formal document or a set of documents, stating that accreditation has been granted for the defined scope.

**accreditation scheme**, *n*—rules and processes relating to the accreditation of conformity assessment bodies to which the same requirements apply.

DISCUSSION—Accreditation scheme requirements include, but are not limited to, ISO/IEC 17020, ISO/IEC 17021, ISO/IEC 17025, ISO/IEC 17024, ISO 17034, ISO/IEC 17043, ISO/IEC 17065, ISO 15189, and ISO 14065.

**ISO/IEC 17011**

**accreditation scope**, *n*—set of specific conformity assessment activities for which a conformity assessment body is accredited.

**accreditation symbol**, *n*—symbol issued by an accreditation body to be used by accredited conformity assessment bodies to indicate their accredited status.

DISCUSSION—“Mark” is to be reserved to indicate direct conformity of an entity (for example, product, process, system, or person) against a set of requirements.

**assessment**, *n*—process undertaken by an *accreditation body* to determine the competence of a *conformity assessment body*, based on standard(s) and/or other normative documents and for a defined *scope of accreditation*.

**ISO/IEC 17011**

**assessment technique**, *n*—method used by an *accreditation body* to perform an *assessment*.

DISCUSSION—Assessment techniques, can include, but are not limited to:

- on-site assessment;
- *remote assessment*;
- *witnessing*;
- document review;
- file review;
- measurement audits;
- review of performance in proficiency testing and other interlaboratory comparisons;
- validation audits;
- unannounced visits; and
- interviewing.

**ISO/IEC 17011**

**assessor**, *n*—an individual who has the knowledge, experience and skills necessary to perform a comprehensive assessment

of another body, which includes assessment of the quality management system, policies, and procedures, etc. **E2159**

DISCUSSION—An assessor/auditor should be fully qualified in the performance of a full assessment/audit, with the exception of evaluating specific technical areas. An assessor may also be qualified as a technical expert and bring such additional skills to the assessment/audit.

**consultancy**, *n*—participation in any of the activities of a *conformity assessment body* subject to *accreditation*.

**ISO/IEC 17011**

DISCUSSION—Examples include:

(1) Preparing or producing manuals or procedures for a conformity assessment body.

(2) Participating in the operation or management of a conformity assessment body.

(3) Giving specific advice or specific training towards the development and implementation of the management system, operational procedures and/or competence of a conformity assessment body.

**extending accreditation**, *n*—adding conformity assessment activities to the *scope of accreditation*. **ISO/IEC 17000**

**flexible scope of accreditation**, *n*—*scope of accreditation* expressed to allow conformity assessment bodies to make changes in methodology and other parameters which fall within the competence of the *conformity assessment body* as confirmed by the *accreditation body*. **ISO/IEC 17011**

**interested parties**, *n*—parties with a direct or indirect interest in accreditation. **ISO/IEC 17000**

DISCUSSION—Direct interest refers to the interest of those who undergo accreditation; indirect interest refers to the interests of those who use or rely on accredited conformity assessment services.

**reducing accreditation**, *n*—cancelling part of the *scope of accreditation*. **ISO/IEC 17000**

**scope of accreditation**, *n*—specific conformity assessment services for which accreditation is sought or has been granted. **ISO/IEC 17000**

**technical expert**, *n*—person assigned by an accreditation body, and responsible to an assessor, who provides specific knowledge or expertise with respect to the scope of accreditation to be assessed.

DISCUSSION—A technical expert may, but is not expected to, have assessor qualifications or training and does not assess independently.

**witnessing**, *n*—observation by the *accreditation body* of a *conformity assessment body* carrying out conformity assessment activities within its *scope of accreditation*.

#### Terms Related to Certification

**certification**, *n*—third-party attestation of conformity to specified requirements related to products, processes, systems, or persons. **E1424**

**certification body/entity**, *n*—a body that conducts certifications of conformity. **E1187**

**certification mark**, *n*—the symbol and use thereof which has been authorized by a certification body.

**certification process**, *n*—all activities by which a certification body establishes that an individual fulfills specified requirements, including application, evaluation, decision on certification, surveillance, and recertification. **ISO/IEC 17024**

**scheme/certification scheme**, *n*—certification system as related to specified processes or services to which the same particular standards, rules, and procedure apply.

### Terms Related to Personnel Credentialing

**accommodation**, *n*—a reasonable modification in an assessment instrument or its administration made to compensate for the effects of a qualified disability without altering the purpose of the assessment instrument. **ICE**

**accountability**, *n*—the responsibility of a governing board, committee, or other sponsor of a credentialing program to demonstrate the efficacy and fairness of policies, procedures, and assessment instruments to its stakeholders. **ICE**

**adverse impact**, *n*—a significantly higher failure rate for candidates in legally protected classes of people, such as females, African Americans, and Hispanic Americans.

**assessment instruments**, *n*—any one of several standardized methods or tools for determining if individuals possess the necessary knowledge or skill, or both, related to the purpose of the credential. **ICE**

**autonomy**, *n*—organizational control over all essential credentialing decisions without being subject to approval by or undue influence from any other body. **ICE**

**candidate**, *n*—an applicant who has fulfilled specified prerequisites, establishing eligibility to participate in the credentialing process. **ISO/IEC 17024**

**certificant**, *n*—an individual who has earned a credential awarded through a certification program. **ICE**

**certificate holder**, *n*—an entity (person or body) which has been issued a certificate after successfully completing the requisites of a credentialing program (certification or accreditation). **E2659**

**certificate of attendance/certificate of participation**, *n*—a document issued after an individual attends or participates in a particular meeting or course. **ICE**

**DISCUSSION**—Typically, there is no knowledge assessed prior to issuing this type of document. A certificate of attendance or participation is not a credential, because the recipients are not required to demonstrate competence through assessment or meet agreed upon professional or trade standards.

**certificate program**, *n*—a nondegree-granting education or training program consisting of (1) a learning event or series of events designed to educate or train individuals to achieve specified learning outcomes within a defined scope, and (2) a system designed to ensure individuals receive a certificate only after verification of successful completion of all program requisites, including but not limited to an evaluation of learner attainment of intended learning outcomes. **E2659**

**certification agency**, *n*—the organizational or administrative unit that offers or operates, or both, a certification program. **ICE**

**certification board**, *n*—a group of individuals appointed or elected to govern one or more certification programs, as well as the certification agency, and responsible for all certification decision making, including governance. **ICE**

**certification program**, *n*—the standards, policies, procedures, assessment instruments, and related products and activities through which individuals are publicly identified as qualified in a profession, occupation, role, or skill. **ICE**

**committee/certification committee**, *n*—a group of individuals appointed or elected to recommend and implement policy related to certification program operations. **ICE**

**computer-based testing (CBT)**, *n*—use of computers to deliver assessments of conformity.

**constructed-response question**, *n*—a type of test item in which the candidate produces the answer (for example, an essay or a fill in the blank) rather than selecting from multiple-choice options.

**content domains**, *n*—the set of organized categories characterizing subject matter under which knowledge and skills may be represented in specifications for assessment instruments. **ICE**

**continuing competence**, *n*—the ability to provide service at specified levels of knowledge and skill, not only at the time of initial certification/licensure but throughout an individual's professional career. **ICE**

**continuing education**, *n*—activities, often short courses, that certified or licensed professionals engage in to receive credit for the purpose of maintaining continuing competence and renewing certification or licensure. **ICE**

**credentialing**, *n*—the process by which an entity qualified to do so, grants formal recognition to, or records the recognition status of persons, organizations, institutions, programs, processes, services, or products that meet predetermined and standardized criteria. **ASAE**

**credentialing body**, *n*—an entity qualified to do so, that grants formal recognition to, or records the recognition status of persons, organizations, institutions, programs, processes, services, or products that meet predetermined and standardized criteria. **ASAE**

**credentialing process**, *n*—a method for maintaining quality standards of knowledge and performance, and in some cases, for stimulating continued self-improvement. **ICE**

**criterion-referenced standard**, *n*—a pass-fail standard determined by characteristics of the test (for example, the difficulty) rather than characteristics of the candidates (for example, the ability).

**decertify/decertification**, *n*—to withdraw certification from an individual.

**designation**, *n*—the title or trademarked label applied to the achievement of a credential.

**discipline/disciplinary action**, *n*—a formal, published process for the enforcement of standards governing the professional behavior (that is, ethics, standards of practice) of certificants or licensees. **ICE**

**eligibility criteria**, *n*—published criteria or prerequisites, often benchmarks for education, training and experience, with which applicants must demonstrate compliance in order to qualify for certification or licensure. **ICE**

**eligibility requirements**, *n*—the documents that support and show compliance with eligibility criteria.

**endorsement**, *n*—the act of pledging or committing support to a program, proposal, or candidate.

**equating**, *n*—a statistical process for determining comparability of scores across test forms in a given credentialing program.

**essential element**, *n*—a statement that is directly related to a standard and specifies what a credentialing program must do to fulfill the requirement of the standard. **ICE**

**examination/test**, *n*—a mechanism(s) that is part of the evaluation, which measures a candidate’s knowledge or skill using one or more means, such as written, oral, practical, and observational. **E1187**

*essay*, *n*—an examination that requires a relatively lengthy, written response to the presentation of the writer’s topic.

*multiple choice examination/test*, *n*—an assessment of knowledge in which candidates select the correct response from among several choices or alternatives.

*performance examination/test*, *n*—an examination approach wherein candidates must interact with real or simulated systems.

**DISCUSSION**—Performance examinations/tests can be portfolios, on demand tasks that may be essays or experiments in response to a prompt or a problem, long term projects, demonstrations of work, observations, etc.

*practical examination/test*, *n*—an examination that requires participation in an activity.

**examiner**, *n*—an individual with relevant technical and personal qualifications, competent to conduct or score, or both, an examination. **ISO/IEC 17024**

**fairness**, *n*—the principle that all individuals will be treated in an equitable manner throughout the entire credentialing process. **ICE**

**governance**, *n*—control or authority; often understood as a structure describing the authority to implement the policies and practices of a credentialing body.

**grandfathering**, *n*—the process by which individuals are granted a credential without being required to meet all requirements. **ICE**

**DISCUSSION**—This process is occasionally invoked when a credentialing program is initiated as a way of recognizing the experience and

expertise of long-term experts or to allow grandfathered individuals to develop the initial examination form(s), or both.

**indefinite**, *n*—not fixed or limited in length, size, duration, or quantity as in a lifetime credential.

**inter-rater reliability**, *n*—the degree of consistency with which different raters assign scores to the same observed performance or product of a candidate.

**item analysis**, *n*—a statistical report of performance of each test item that provides information regarding difficulty and other characteristics.

**item bank**, *n*—the system by which test items are maintained, stored, and classified to facilitate item review, item development, and examination assembly. **ICE**

**items/test items**, *n*—the questions or tasks that comprise assessment instruments against which candidates are graded. **ICE**

**DISCUSSION**—The following are elements of a multiple-choice test item:

**Stem**: the premise, including the facts/details about which a test question is structured.

**Options**: the choices in selected response questions.

**Key**: the correct response to a test question, including all scoreable elements.

**Distracters**: the incorrect or not best choice options in a multiple-choice item.

**job/practice analysis/role delineation study**, *n*—any of several methods used singly or in combination to identify the performance domains and associated tasks, knowledge, or skills, or combination thereof, relating to the purpose of the credential and providing the basis for the validation of any assessments used in the credentialing process. **ICE**

**license**, *n*—a document issued by a governmental agency, granting an individual time-limited permission to engage in a given occupation after verifying that he or she has met predetermined and standardized criteria and offering title protection for those who meet the criteria.

**DISCUSSION**—The purpose of professional/occupational licensing is to protect the public from practitioners who, because of the scope of their job functions, may have the potential to cause harm.

**license by endorsement**, *n*—obtaining a license in a U.S. jurisdiction other than the jurisdiction of original licensure (where licensure was likely given at time of examination).

**licensing authority**, *n*—a governmental body that reviews new and renewal applications for licenses, may conduct public hearings on new licenses, reviews and investigates alleged violations of state and local codes, and, if necessary, conducts show cause hearings.

**licensing board/entity**, *n*—a governmental body that regulates the practice of a profession.

**limitation**, *n*—a restriction imposed by accepted standards or organizational policy that cannot be exceeded or sidestepped by a credentialing body.