

certification. (1) third-party attestation related to an object of conformity assessment, with the exception of accreditation (*ISO/IEC 29110-1-2:2024, Systems and software engineering Lifecycle profiles for Very Small Entities (VSEs) Part 1-2: Vocabulary, 3.22*) *Note:* Certification is applicable to all objects of conformity assessment except for conformity assessment bodies themselves, to which accreditation is applicable. Certification of a management system is sometimes also called registration.

security accreditation. (1) formal declaration by management that an IT system is approved to operate in a particular security mode using a prescribed set of safeguards at an acceptable level of risk (*ISO/IEC/IEEE 24765:2017 Systems and software engineering--Vocabulary*) **(2)** independent accreditation body's certification that an IT system meets a predetermined security standard (*ISO/IEC/IEEE 24765:2017 Systems and software engineering--Vocabulary*)

certificate. (1) attestation document issued by an independent third-party certification body (*ISO/IEC 23643:2020, Software and systems engineering--Capabilities of software safety and security verification tools, 3.3*) **(2)** document issued by a certification body, indicating that the named person has fulfilled the certification requirements (*ISO/IEC 24773-1:2019 Software and systems engineering-Certification of software and systems engineering professionals-Part 1: General requirements, 3.5*)

certification artifact. (1) tangible results from a certification process (*ISO/IEC/IEEE 24765:2017 Systems and software engineering-Vocabulary*)

certification criteria. (1) set of standards, rules, or properties to which an asset conforms in order to be certified to a certain level (*ISO/IEC/IEEE 24765:2017 Systems and software engineering-Vocabulary*) *Note:* Certification criteria are defined by a certification policy. Certification criteria can be specified as a set of mandatory certification properties.

certification process. (1) activities by which a certification body determines that a person fulfils certification requirements, including application, assessment, decision on certification, recertification and use of certificates and logos/marks (*ISO/IEC 24773-1:2019 Software and systems engineering-Certification of software and systems engineering professionals-Part 1: General requirements, 3.6*) **(2)** process of assessing whether an asset conforms to predetermined certification criteria appropriate for that class of asset (*ISO/IEC/IEEE 24765:2017 Systems and software engineering-Vocabulary*)

certification property. (1) a statement about some feature or characteristic of an asset that can be assessed as being true or false during a certification process (*ISO/IEC/IEEE 24765:2017 Systems and software engineering-Vocabulary*) *Note:* Properties can relate to what an asset is, what it does, or how it relates to its operating environment. An assessment of a certification quality factor is accomplished by assessing the underlying certification properties.

client. (1) entity, code or process that invokes an operation on an object or requests a service from the server (*ISO/IEC/IEEE 24765:2024*) **(2)** in certification, the organization or person responsible to a certification body for ensuring that certification requirements, including product requirements, are fulfilled (*ISO/IEC 29110-1-2:2024, Systems and software engineering Lifecycle profiles for Very Small Entities (VSEs) Part 1-2: Vocabulary, 3.27*)

assessment. (1) action of applying specific documented criteria to a specific software module, package or product for the purpose of determining acceptance or release of the software module, package or product (*ISO/IEC 14102:2008 Information Technology - Guideline for the evaluation and selection of CASE tools, 3.1*) **(2)** process that evaluates a

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person's fulfillment of the requirements of the certification scheme (*ISO/IEC 24773-1:2019 Software and systems engineering-Certification of software and systems engineering professionals-Part 1: General requirements, 3.2*) **(3)** action of comprehensively evaluating the target entity based on documented criteria for a specific purpose (*ISO/IEC 25040:2024 Systems and software engineering--Systems and software Quality Requirements and Evaluation (SQuaRE)--Quality evaluation framework, 3.1*)

certification body. (1) third-party conformity assessment body operating certification schemes (*ISO/IEC 29110-1-2:2024, Systems and software engineering Lifecycle profiles for Very Small Entities (VSEs) Part 1-2: Vocabulary, 3.23*)
Note: A certification body can be non-governmental or governmental (with or without regulatory authority).

certification scheme. (1) competence and other requirements related to specific occupational or skilled categories of persons (*ISO/IEC 24773-1:2019 Software and systems engineering-Certification of software and systems engineering professionals-Part 1: General requirements, 3.8*) **(2)** certification system related to specified products, to which the same specified requirements, specific rules, and procedures apply (*ISO/IEC 29110-1-2:2024, Systems and software engineering Lifecycle profiles for Very Small Entities (VSEs) Part 1-2: Vocabulary, 3.24*) *Note:* [ISO/IEC 17024] A certification scheme addresses a candidate's knowledge, skill, competence or proficiency, but it also includes requirements for certified person's ongoing maintenance of proficiency. A specific scheme also contains declarations concerning scope and title; the criteria for assessment of the certified person; and declarations regarding validation of the scheme. The scheme is documented.

certification scheme owner. (1) person or organization that is responsible for developing and maintaining a specific certification scheme (*ISO/IEC 29110-1-2:2024, Systems and software engineering Lifecycle profiles for Very Small Entities (VSEs) Part 1-2: Vocabulary, 3.25*) *Note:* The certification scheme owner can be the certification body itself, a governmental authority, trade association, group of certification bodies, or other.

applicant. (1) person who has submitted an application to be admitted into the certification process (*ISO/IEC 24773-1:2019 Software and systems engineering-Certification of software and systems engineering professionals-Part 1: General requirements, 3.1*)

candidate. (1) applicant who has fulfilled prerequisites and has been admitted to the certification process (*ISO/IEC 24773-1:2019 Software and systems engineering-Certification of software and systems engineering professionals-Part 1: General requirements, 3.3*)

certificant. (1) recipient or holder of a certification (*ISO/IEC 24773-1:2019 Software and systems engineering-Certification of software and systems engineering professionals-Part 1: General requirements, 3.4*)

certification requirements. (1) set of specified requirements, including requirements of the scheme to be fulfilled in order to establish or maintain certification of a candidate (*ISO/IEC 24773-1:2019 Software and systems engineering-Certification of software and systems engineering professionals-Part 1: General requirements, 3.7*)

examination. (1) mechanism that is part of the assessment, which measures a candidate's competence by one or more means such as written, oral, practical and observational, as defined in the certification scheme (*ISO/IEC 24773-1:2019 Software and systems engineering-Certification of software and systems engineering professionals-Part 1: General requirements, 3.10*)

reference body of knowledge. (1) body of knowledge that is used for the comparison of a particular body of

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knowledge associated with a certification scheme (*ISO/IEC 24773-1:2019 Software and systems engineering-Certification of software and systems engineering professionals-Part 1: General requirements, 3.12*)

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