ISO/IEC/IEEE International Standard -- Systems and Software Engineering -- Content of Life-Cycle Information Items (Documentation)


2. Title: ISO/IEC/IEEE International Standard -- Systems and Software Engineering -- Content of Life-Cycle Information Items (Documentation)

Changes in scope: This document specifies the purpose and content of all identified systems and software life-cycle and services management information items (documentation). The information item contents are defined according to generic document types, as presented in Clause 7, and the specific purpose of the document (Clause 10). This document assumes an organization is performing life-cycle processes, or delivering services, using one or more of the following: ISO/IEC 12207:2008 (IEEE Std 12207:2008:2008); 2017, Systems and software engineering -- Software life cycle processes; ISO/IEC/IEEE 15288:2015, Systems and software engineering -- System life cycle processes; ISO/IEC 20000-1:2011 (IEEE Std 20000-1:2013), Information technology -- Service management -- Part 1: Service management system requirements; and ISO/IEC 20000-2 (IEEE Std 20000-2:2013), Information technology -- Service management -- Part 2: Guidance on the application of service management systems. This document

3.1 Working Group: Life Cycle Documentation (Information Items) (C/S2ESC/15289_WG)

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Contact Information for Working Group Vice-Chair
None

3.2 Sponsoring Society and Committee: IEEE Computer Society/Software & Systems Engineering Standards Committee (C/S2ESC)

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None

4. Type of Ballot: Individual

4.2 Project Completion Date for Submission to RevCom

Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 10/2018

5.1 Approximate number of people expected to be actively involved in the development of this project: 5

5.2 Scope: This document specifies the purpose and content of all identified systems and software life-cycle and services management information items (documentation). The information item contents are defined according to generic document types, as presented in Clause 7, and the specific purpose of the document (Clause 10). This document assumes an organization is performing life-cycle processes, or delivering services, using either ISO/IEC/IEEE 12207:2017, Systems and software engineering -- Software life cycle processes, or ISO/IEC/IEEE 15288:2015, Systems and software engineering -- System life cycle processes.

They define an Information Management process, but do not detail information items in terms of name, format, explicit content, and recording media.

The generic document types defined in this document are used to identify the information necessary to support the ISO/IEC/IEEE 12207:2017 and ISO/IEC/IEEE 15288:2015 agreement; organizational project-enabling, technical management, and technical processes. For each life-cycle process or service, it would be possible to prepare a policy, plan, procedures, and reports, as well as numerous records, requests, descriptions, and specifications. Such an elaboration of the documentation schema would be more rigorous than specified by ISO/IEC/IEEE 15288:2015 or ISO/IEC 12207:2017.

As ISO/IEC/IEEE 15288:2015 points out (1.4), "The users of this document are responsible for selecting a life cycle model for the project and mapping the processes, activities, and tasks in this document into that model. The parties are also responsible for selecting and applying appropriate methodologies, methods, models and techniques suitable for the project."

Thus, information items are combined or subdivided consistent with the life cycle model, as needed for project or organizational purposes, as further defined in Clause 4, Applicability, and Clause 5, Conformance.

5.3 Is the completion of this standard dependent upon the completion of another standard: Yes
If yes please explain: ISO/IEC/IEEE 12207:2017 has completed balloting and IEEE-SA approval and is awaiting final joint publication by ISO and IEEE.

5.4 Purpose: This document will not include a purpose clause.
5.5 **Need for the Project:** This is the fourth edition of a widely used standard specifying the content of information items produced during the systems, software, and services life cycles. It enables consistent and efficient information management and delivery for producers and stakeholders.

5.6 **Stakeholders for the Standard:** The stakeholders include systems and software engineers, IT service providers, and information and documentation managers.

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**Intellectual Property**

6.1.a. **Is the Sponsor aware of any copyright permissions needed for this project?:** No

6.1.b. **Is the Sponsor aware of possible registration activity related to this project?:** No

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**7.1 Are there other standards or projects with a similar scope?:** No

**7.2 Joint Development**

- **Is it the intent to develop this document jointly with another organization?:** Yes
  - **Organization:** ISO/IEC JTC1
  - **Technical Committee Name:** Software and systems engineering
  - **Technical Committee Number:** ISO/IEC JTC 1/SC7
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This revision also removes references to ISO/IEC 20000-1 and ISO/IEC 20000-2 processes, since these standards have been reassigned to a different ISO/IEC JTC 1 subcommittee and are being revised, not as IEEE joint development projects.

The IEEE adoptions of the 2011 versions of ISO/IEC 20000-1 and ISO/IEC 20000-2 are being withdrawn.

4.2 This revision is primarily an update of cross-references to 12207 and removal of references to material that is withdrawn or superseded; the working draft is nearly complete and expected to be ready for ballot soon after PAR approval. This PAR is for the 4th edition of the ISO/IEC/IEEE standard. The revisions consist primarily of updating the cross-reference tables and references to the new version of ISO/IEC/IEEE 12207:2017 (pending publication), removing superseded material that referred to the 2008 version of ISO/IEC 12207, and removing references to ISO/IEC 20000-1 and 20000-2, which are not going to be jointly developed with IEEE in their next revision. As a joint development standard with ISO/IEC JTC 1/SC7/WG2, the 4th edition of ISO/IEC/IEEE 15289 is already proceeding in the parallel committee, since ISO requires a Working Draft to accompany the New Work Item Proposal for the revision.