1.1 Project Number: P15026-1_Revision
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use


3.1 Working Group: Working Group for Life Cycle Processes (C/S2ESC/WG_LCP)
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None

3.2 Sponsoring Society and Committee: IEEE Computer Society/Software & Systems Engineering Standards Committee (C/S2ESC)
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None

4.1 Type of Ballot: Individual
4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 10/2017
4.3 Projected Completion Date for Submittal to RevCom
Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 10/2020

5.1 Approximate number of people expected to be actively involved in the development of this project: 10
5.2 Scope: This part of ISO/IEC/IEEE 15026 defines assurance-related terms and establishes an organized set of concepts and relationships to establish a basis for shared understanding across user communities for assurance. It provides information to users of the other parts of ISO/IEC/IEEE 15026 including the combined use of multiple parts. The essential concept introduced by ISO/IEC/IEEE 15026 is the statement of claims in an assurance case and the support of those claims through argumentation and evidence. These claims are in the context of assurance for properties of systems and software within life cycle processes for the system or software product. Assurance for a service being operated and managed on an ongoing basis is not covered in ISO/IEC/IEEE 15026.

5.3 Is the completion of this standard dependent upon the completion of another standard: No
5.4 Purpose: Although ISO standards do not have a "Purpose" Clause, ISO/IEC/IEEE Clause 2.2 Field of Applicability contains: The primary purpose of this part of ISO/IEC/IEEE 15026 is to aid users of the other ISO/IEC/IEEE Standards in establishing a basis for shared understanding across user communities for assurance.
parts of ISO/IEC/IEEE 15026 by providing context, concepts, and explanations for assurance, assurance cases, and integrity levels. While essential to assurance practice, details regarding exactly how to measure, demonstrate, or analyse particular properties are not covered.

5.5 Need for the Project: 1. To update definitions for consistency with the rest of the 15026 series (and most immediately, with 15026-3).
2. To support the development of software requiring the demonstration of critical properties.

5.6 Stakeholders for the Standard: Users, acquirers and developers of software which must achieve designated critical properties. This document and the whole 15026 series are important to the high integrity systems community and are also being applied for data-centric systems, cybersecurity and other situations where assurance of critical properties of an IT system is required.

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

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: SC7
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8.1 Additional Explanatory Notes: 8.1 This is a revision of the existing Part 1 of the International Standard(15026). This revision is entails an update of definitions of terms due to the change of definitions in ISO/IEC 15026-3:2015. There are no changes in the "concepts" elements.

Additional detail from the SC7 New Work Item Proposal (NWIP) Justification section indicates: "Incidentally, revision of Part 4 of this document is being proposed. Therefore the definitions of terms in Part 1 may be changed if necessary, although few changes of definitions are expected in Part 4.
Feedback from use that improve this document, if any, will be reflected in the revised version."

This also begins a revision cycle where the IEEE Adoptions of the ISO/IEC series are planned to be replaced by 'jointly developed' ISO/IEC/IEEE versions of these documents. Based on reports and resolutions from the SC7 & WG7 MAY17 meetings in Kuantan, 15026 parts 1, 2, & 4 are currently in, or scheduled to ballot revisions. Comments are being submitted on the NWIPs to ensure that the ISO/IEC titling is revised to ISO/IEC/IEEE.

15026 multi-part references:
15026-2: Systems and software assurance -- Part 2: Assurance case
15026-3: Systems and software assurance -- Part 3: System integrity levels
15026-4: Systems and software assurance -- Part 4: Assurance in the life cycle

7.2: This project is a joint development under the Partner Standards Development Organization (PSDO) agreement between the IEEE and ISO/IEC JTC 1. IEEE previously adopted the original version of ISO/IEC 15026-1, but for this revision will engage in joint development with ISO/IEC JTC 1/SC7/WG7. An initial revision draft and NWIP for the part 1 revision are currently under ISO ballot and will be ready for IEEE ballot after PAR approvals and ballot invitations.

2.1 The title is being changed (to reflect ISO/IEC/IEEE), since it is no longer an IEEE adoption, but a joint development.