1.1 Project Number: P1517
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use

2.1 Title: Standard for Information Technology - System and Software Life Cycle Processes - Reuse Processes

Old Title: IEEE Standard for Information Technology - Software Life Cycle Processes - Reuse Processes


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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: 01/2010
4.3 Projected Completion Date for Submittal to RevCom: 07/2010

5.1 Approximate number of people expected to be actively involved in the development of this project: 15

Old Scope: The project would develop material referencing IEEE/EIA 12207 to describe software reuse processes and how they would relate to traditional software life cycle processes described in Part 0 of 12207. The document will define processes and specify requirements for the processes, but will not specify particular techniques. The scope of the specified processes will be broader than that of 12207.0 because reuse activities transcend the life cycle of any particular system. The specified processes would be suitable on an organization wide basis.

5.2 Scope: This standard draws on IEEE Std 12207-2008 to describe system and software reuse processes. It describes the relationship of reuse processes to system life cycle processes described in Part 6 (System Life Cycle Processes) of IEEE Std 12207-2008 and software life cycle processes described in Part 7 (Software Specific Processes) of IEEE Std 12207-2008. The standard defines processes and specifies requirements for the processes but does not specify particular techniques. The scope of the specified processes is broader than that of IEEE Std 12207-2008 because reuse activities transcend the life cycle of any particular system. The specified processes are suitable on an organization-wide basis.

5.3 Is the completion of this standard dependent upon the completion of another standard: No

Old Purpose: Most software reuse processes are not distinct from the normal life cycle but instead must be integrated into other life cycle processes. Some acquirers are requiring software reuse because it has the potential to achieve faster time to market, improved quality and cost avoidance. These considerations argue
improved quality, and cost avoidance. These considerations compel a process standard that explains how reuse processes may be incorporated into the life cycle.

5.5 Need for the Project: IEEE 1517 was developed in 1999 as a supplement to IEEE/EIA Std 12207-1996. 12207 has seen revisions and 1517 is no longer consistent in scope or substance. Users will benefit from an up-to-date 1517 reuse standard that mirrors software and system life cycle requirements as specified in the 12207 revision of 2008.

5.6 Stakeholders for the Standard: This standard has implications for any individual, team, or organization (or classes thereof) with interests in software and system reuse. Stakeholders that may be impacted, therefore, include organizations that utilize software and system assets for multiple projects; organizations that develop large-scale software products; and organizations that have the software maturity and resources necessary to leverage reuse strategies.

Intellectual Property
6.1.a. Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR prior to the PAR submittal to the IEEE-SA Standards Board?: Yes
If yes, state date: 13-Feb-2009
6.1.b. Is the Sponsor aware of any copyright permissions needed for this project?: No
6.1.c. 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 International Activities
   a. Adoption
      Is there potential for this standard (in part or in whole) to be adopted by another national, regional or international organization?: No
   b. Joint Development
      Is it the intent to develop this document jointly with another organization?: No
   c. Harmonization
      Are you aware of another organization that may be interested in portions of this document in their standardization development efforts?: No