P12207

Submitter Email: james.w.moore@ieee.org
Type of Project: Revision to IEEE Standard 12207-2008
PAR Request Date: 23-Feb-2013
PAR Approval Date: 10-May-2013
PAR Expiration Date: 31-Dec-2017
Status: PAR for a Revision to an existing IEEE Standard
Root Project: 12207-2008

1.1 Project Number: P12207
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use

2.1 Title: Systems and software engineering -- Software life cycle processes

3.1 Working Group: Working Group for Life Cycle Processes (C/S2ESC/WG_LCP)
Contact Information for Working Group Chair
Name: James Moore
Email Address: james.w.moore@ieee.org
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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)
Contact Information for Sponsor Chair
Name: Paul Croll
Email Address: pcroll@computer.org
Phone: 540-644-6224

Contact Information for Standards Representative
None

4.1 Type of Ballot: Individual
4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 08/2013
4.3 Projected Completion Date for Submittal to RevCom: 08/2017

5.1 Approximate number of people expected to be actively involved in the development of this project: 15
5.2 Scope: This International Standard establishes a common framework for software life cycle processes, with well-defined terminology, that can be referenced by the software industry. It contains processes, activities, and tasks that are to be applied during the acquisition of a software product or service and during the supply, development, operation, maintenance and disposal of software products. Software includes the software portion of firmware.
This International Standard applies to the acquisition of systems and software products and services, to the supply, development, maintenance, and disposal of software products and the software portion of a system, whether performed internally or externally to an organization. Those aspects of system definition needed to provide the context for software products and services are included.
This International Standard also provides a process that can be employed for defining, controlling, and improving software life cycle processes.
The processes, activities and tasks of this International Standard--either alone or in conjunction with ISO/IEC 15288--may also be applied during the acquisition of a system that contains software.

5.3 Is the completion of this standard dependent upon the completion of another standard: Yes
If yes please explain: ISO/IEC/IEEE 12207 and ISO/IEC/IEEE 15288 are being revised concurrently so that complete interoperability is achieved. The two standards will proceed through the process in parallel. A companion PAR is being submitted for the other standard.

5.4 Purpose: The purpose of this International Standard is to provide a defined set of processes to facilitate communication among acquirers, suppliers and other stakeholders in the life cycle of a software product.
This International Standard is written for acquirers of systems and software products and services and for suppliers, developers, operators, maintainers, managers, quality assurance managers, and users of software products.
This International Standard is intended for use in a two-party situation and may be equally applied where the
two parties are from the same organization. The situation may range from an informal agreement up to a legally binding contract. The International Standard may be used by a single party through a self-imposed set of processes. This clause does not prevent the use of ISO/IEC 12207 by suppliers or developers of off-the-shelf software. This International Standard is written for acquirers of systems and software products and services and for suppliers, developers, operators, maintainers, managers, quality assurance managers, and users of software products. This International Standard is intended for use in a two-party situation and may be equally applied where the two parties are from the same organization. The situation may range from an informal agreement up to a legally binding contract. The International Standard may be used by a single party through a self-imposed set of processes. This clause does not prevent the use of ISO/IEC 12207 by suppliers or developers of off-the-shelf software.

5.5 **Need for the Project:** To achieve complete harmonization between ISO/IEC 12207 and ISO/IEC 15288 and to align both with current practices.

5.6 **Stakeholders for the Standard:** Software engineers, systems engineers, and the organizations that employ them or acquire products created by them.

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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:** SC 7

**Contact Name:** James W. Moore

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8.1 **Additional Explanatory Notes (Item Number and Explanation):** A companion PAR is being submitted for the revision of 15288. 5.5: ISO/IEC 15288 - Systems and software engineering--System life cycle processes (Title is subject to editorial modifications due to joint development purposes)