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09 May 2007

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Re: P15289 - Standard for Systems and Software Engineering — Content of systems and software life cycle process information products (Documentation)

Dear Paul:

I am pleased to inform you that on 07 May 2007 the IEEE-SA Standards Board approved the above referenced project until 31 December 2011. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/15289.pdf>.

Now that your project has been approved, please forward a roster of participants involved in the development of this project. This request is in accordance with the IEEE-SA Operations Manual, Clause 5.1.2i under Duties of the Sponsor which states:

"Submit annually to the IEEE Standards Department an electronic roster of individuals participating on standards projects"

For your convenience, an Excel spreadsheet for your use has been posted on our website at <http://standards.ieee.org/guides/par/roster.xls>. Please forward this list to me via e-mail at s.hampton@ieee.org no later than 05 August 2007.

Please visit our website, IEEE Standards Development Online (<http://standards.ieee.org/resources/development/index.html>), for tools, forms and training to assist you in the standards development process. Also, we strongly recommend that a copy of your draft be sent to this office for review prior to the final vote by the working group to allow for a quick review by editorial staff before sponsor balloting begins.

If you should have any further questions, please contact me at +1 732 562 6003 or by email at s.hampton@ieee.org.

Sincerely,

Sherry Hampton
Administrator, Governance
Standards Activities
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PAR Request Date: 30 March 2007**PAR Approval Date:** 07 May 2007**PAR Signature Page on File:** Yes**Type of PAR:** Revision to IEEE Standard**Status:** Revision to an Existing IEEE Std 12207.1-1997**Root Project:****1.1 Project No.:** **15289****1.2 Type of Document:** Standard**1.3 Life Cycle:** Full-Use**1.4 Is this document in ballot now?** No**2.1 Title**

Standard for Systems and Software Engineering — Content of systems and software life cycle process information products (Documentation)

3.1 Working Group Name [15289 Life Cycle Documentation \(Information Items\)](#)**Working Group Chair**[Reilly, Annette D](#)

Phone: 301-214-3338

Email: annette.d.reilly@lmco.com

Working Group Vice Chair**3.2 Sponsor**[IEEE Computer Society Software & Systems Engineering Standards Committee \(C/S2ESC\)](#)**Sponsor Chair**[Croll, Paul R](#)

Phone: 540-644-6224

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Name of Standards Liaison Representative (if applicable)**3.3 Joint Sponsor****4.1 Type of Ballot:** Individual**4.2 Expected Date of Submission for Initial Sponsor Ballot:** June 2007**4.3 Projected Completion Date for Submittal to RevCom:** December 2007**5.1 Approximate number of people expected to work on this project:** 1

5.2 Scope: This standard identifies the purpose and content of all identified Systems and Software Life Cycle information items. The information item contents are defined according to generic document types, and the specific purpose of the document. The generic document types (which may be referred to as information item types) are to be used to identify the information necessary to support the ISO/IEC 15288 agreement, enterprise, project, and technical processes; and the ISO/IEC 12207 primary, supporting, and organizational life cycle processes.

Old Scope: The base document ISO/IEC 12207, establishes a common framework for software life cycle processes, with well-defined terminology, that can be referenced by the software industry. It contains activities, and tasks that are to be applied during the acquisition of a system that contains software, a stand-alone software product, and software service and during the supply, development, operation, and maintenance of software products. Software includes software portion of firmware. The standard will provide an integrated set of data descriptions for recording or capturing the results of the software life cycle processes of ISO 12207. The proposed standard will relate the needs of the developer who produces the life cycle data to the presentation needs of the various parties who use the data. It will provide direction to which IEEE standards provide guidance on presentation and organization of the life cycle data.

5.3 Is the completion of this document contingent upon the completion of another document? Yes

This PAR is for the IEEE adoption of ISO/IEC 15289 which was completed in March 2006.

5.4 Purpose: The purpose of this International Standard is to guide users of ISO/IEC 12207 Information technology -- Software life cycle processes, and ISO/IEC 15288 Systems engineering — System life cycle processes, in identifying and planning the specific information items to be produced during systems and software life cycles.

Old Purpose: The base document provides a consistent framework and related methods for the supplier and acquirer of software to establish, understand, and communicate between the acquirer and the supplier their respective responsibilities and the requirements for the software. The proposed standard will increase harmonization between IEEE standards and ISO 12207. Improve useability of ISO/IEC 12207 in the industrial environment. Provide an integrated content view of data produced by life cycle processes.

5.5 Need for the Project: Adoption of ISO/IEC 15289 as an IEEE standard is in accordance with the liaison agreement between the IEEE-CS SESC and ISO JTC 1 SC7. IEEE 12207.1 was contributed as a major source for ISO 15289. With the adoption of ISO/IEC 15289 as IEEE 15289, IEEE users will have a current and consistent standard for life-cycle documentation (information items) which will replace IEEE 12207.1-1997.

5.6 Stakeholders for the Standard: The stakeholders include systems and software engineers, and information managers.

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 **Presented Date:** 2006-08-01

If no, please explain:

6.1.b. Is the Sponsor aware of any copyright permissions needed for this project? Yes

If yes, please explain: This project is part of the liaison agreement between the IEEE-CS and ISO JTC 1/SC7 for the coordinated adoption of standards.

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

If yes, please explain:

7.1 Are there other standards or projects with a similar scope? Yes

If yes, please explain:

IEEE 12207.1-1997 was a source for 15289, but is not up to date and does not address the systems life cycle information items. This project is the IEEE revision of 12207.1-1997.

Sponsor Organization: IEEE S2ESC

Project/Standard Number: 12207.1

Project/Standard Date: 1997-12-09

Project/Standard Title: Software Life Cycle Processes--Life Cycle Data

7.2 Is there potential for this standard (in part or in whole) to be adopted by another national, regional, or international organization? ? No

Technical Committee Name and Number:

Contact person:

Contact person Phone Number:

Contact person Email Address:

7.3 Will this project result in any health, safety, security, or environmental guidance that affects or applies to human health or safety? No

7.4 Additional Explanatory Notes:

A new PAR for P15289 was previously approved by NesCom on 15 September 2006. It came to the attention of the Sponsor at the February 2007 C/S2ESC Executive Committee Meeting that the PAR should have been submitted as a PAR for the Revision of IEEE Std 12207.1. Therefore, the only change in this PAR versus the previously approved PAR is the change in PAR type - PAR for the Revision of a Standard.

8.1 Sponsor Information:

Is the Scope of this project within the approved scope/definition of the Sponsor's Charter? Yes

If no, please explain: