



Sherry
Hampton/STDS/STAFF/
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10/01/2007 09:27 PM

To pcroll@csc.com

cc annette.d.reilly@lmco.com, Malia Zaman/STDS/STAFF/US/IEEE,

bcc

Subject Approval of Project - P24765

01 October 2007

Paul R Croll
Computer Sciences Corporation
5166 Potomac Drive
King George, VA 22485-5824
pcroll@csc.com

Re: P24765 - Systems and software engineering -- Vocabulary

Dear Paul:

I am pleased to inform you that on 27 September 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/24765.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"

Rosters can be submitted in any format to the NesCom Administrator (nescom-admin@ieee.org). Please forward this list to the NesCom Administrator via e-mail at nescom-admin@ieee.org no later than 26 December 2007.

Or, for your convenience, you can manage your standards development roster in myProject. Instructions are as follows:

- Go to myProject - <https://development.standards.ieee.org/my-site>
- Login using your IEEE Web Account username and password.
- Once logged into myProject, go to "Manage Committees"
- Drill down to the project by clicking the (+) on the left to expand each level. The actual project will be highlighted in yellow
- Click "Manage Committees" for that project. A list of individuals enrolled in the Committee/Project will appear. On this screen you can assign whether a person is a Participant, a Non-Voting Member or a Voting Member of the project group. You may also view contact

information for that individual.

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 questions, please contact the NesCom Administrator via e-mail at nescom-admin@ieee.org or via telephone at +1 732 562 3806.

Sincerely,

NesCom Admin
Standards Activities
Email: nescom-admin@ieee.org

PAR Request Date: 13 August 2007

PAR Approval Date: 27 September 2007

PAR Signature Page on File: Yes

Type of PAR: Revision to IEEE Standard

Status: Revision to an Existing IEEE Std 610.12-1990

Root Project:

1.1 Project No.: **24765**

1.2 Type of Document: Standard

1.3 Life Cycle: Full-Use

1.4 Is this document in ballot now? No

2.1 Title

Systems and software engineering -- Vocabulary

3.1 Working Group Name [Systems and software Engineering - Vocabulary](#)

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
 Email: pcroll@csc.com

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: October 2007

4.3 Projected Completion Date for Submittal to RevCom: October 2009

5.1 Approximate number of people expected to work on this project: 6

5.2 Scope: Consistent with ISO vocabulary standards, each technical committee is responsible for standard terminology in its area of specialization. ISO/IEC 24765 provides a common vocabulary applicable to all systems and software engineering work falling within the scope of ISO JTC1/SC7.

Old Scope: This glossary defines terms in the field of Software Engineering. Topics covered include addressing; assembling, compiling, linking, loading; computer performance evaluation; configuration management; data types; errors, faults, and failures; evaluation techniques; instruction types; language types; libraries; microprogramming; operating systems; quality attributes; software documentation; software and system testing; software architecture; software development process; software development techniques; and software tools. Every effort has been made to include all terms that meet these criteria. Terms were excluded if they were considered to be parochial to one group or organization; company proprietary or trademarked; multi-word terms whose meaning could be inferred from the definitions of the component words; or terms whose meaning in the computer field could be directly inferred from their standard English meaning. This glossary is an update and expansion of IEEE Std 729-1983, IEEE Standard Glossary of Software Engineering Terminology (ANSI) L31.1 It increases the number of terms from approximately 500 to 1300, and updates or refines the definitions of many terms included in the initial glossary. A few terms that were included in the initial glossary have been moved to other glossaries in the 610 series. Some definitions have been recast in a system, rather than software, context. Every effort has been made to preserve the fine work that went into the initial glossary.

5.3 Is the completion of this document contingent upon the completion of another document? No

5.4 Purpose: The purpose of this vocabulary is to serve as a useful reference for those in the Information Technology field, and to encourage the use of systems and software engineering standards prepared by ISO/IEC and liaison organizations IEEE and PMI (Project Management Institute). The goal is to provide definitions that are rigorous, uncomplicated, and which can be understood by all concerned.

Old Purpose:

5.5 Need for the Project: The purpose of this project is to support the harmonization of the software and systems engineering standards of IEEE and ISO/IEC JTC 1/SC 7 so that users are free to choose standards from either collection without fear of contradiction. Adoption of the current standard fills a gap in the IEEE collection.

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

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:** 2007-08-10

If no, please explain:

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

If yes, please explain: IEEE-SA has an exploitation of rights agreement with ISO/IEC.

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? No

If yes, please explain:

Sponsor Organization:

Project/Standard Number:

Project/Standard Date: 0000-00-00

Project/Standard Title:

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: ISO/IEC JTC1 SC7

Contact person: [James W Moore](#)

Contact person Phone Number: +1 703 983 7396

Contact person Email Address: james.w.moore@ieee.org

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:

This project is coordinated with ISO/IEC JTC 1/SC 7 so that both organizations publish identical standards. Accordingly, title, scope, and purpose have been changed to coordinate with SC 7.

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: