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06 December 2006

Paul R Croll  
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Re: P25051 - Software engineering — Software product Quality Requirements and Evaluation (SQuaRE) — Requirements for quality of Commercial Off-The-Shelf (COTS) software product and instructions for testing

Dear Paul:

I am pleased to inform you that on 06 December 2006 the IEEE-SA Standards Board approved the above referenced project until 31 December 2010. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/25051.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](mailto:s.hampton@ieee.org) no later than 06 March 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](mailto:s.hampton@ieee.org).

Sincerely,

Sherry Hampton  
Administrator, Governance  
Standards Activities  
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CC: james.w.moore@ieee.org

<b>PAR Request Date:</b> 06 October 2006	
<b>PAR Approval Date:</b> 06 December 2006	
<b>PAR Signature Page on File:</b> Yes	
<b>Type of PAR:</b> Revision to IEEE Standard	
<b>Status:</b> Revision to an Existing IEEE Std 1465-1998	
<b>Root Project:</b>	
<b>1.1 Project No.:</b> <b>P25051</b>	
<b>1.2 Type of Document:</b> Standard	
<b>1.3 Life Cycle:</b> Full-Use	
<b>1.4 Is this document in ballot now?</b> No	
<b>2.1 Title</b> Software engineering — Software product Quality Requirements and Evaluation (SQuaRE) — Requirements for quality of Commercial Off-The-Shelf (COTS) software product and instructions for testing	
<b>2.1 Amendment/Corrigenda Title</b>	
<b>3.1 Working Group Name</b>	<a href="#">Working Group for the Adoption of ISO/IEC 25051</a>
<b>Working Group Chair</b>	<a href="#">Moore, James W</a> Phone: +1 703 983 7396 Email: james.w.moore@ieee.org
<b>Working Group Vice Chair</b>	
<b>3.2 Sponsor</b>	<a href="#">IEEE Computer Society Software &amp; Systems Engineering Standards Committee (C/S2ESC)</a>
<b>Sponsor Chair</b>	<a href="#">Croll, Paul R</a> Phone: 540-644-6224 Email: pcroll@csc.com
<b>Name of Standards Liaison Representative (if applicable)</b>	
<b>3.3 Joint Sponsor</b>	
<b>4.1 Type of Ballot:</b> Individual	
<b>4.2 Expected Date of Submission for Initial Sponsor Ballot:</b> March 2007	
<b>4.3 Projected Completion Date for Submittal to RevCom:</b> December 2007	
<b>5.1 Approximate number of people expected to work on this project:</b> 5	
<b>5.2 Scope:</b> The Scope clause of the international standard to be adopted is long. The portion that corresponds to an IEEE scope is as follows: This International Standard establishes: a) Quality requirements for COTS software products; b) Requirements for test documentation for the testing of COTS software products, including test requirements, test cases, and test reporting; c) Instructions for conformity evaluation of COTS software products. NOTE The collection of documents for test is called “test documentation”. It includes also recommendations for safety or business critical COTS software products.	<b>Old Scope:</b> The purpose of the standard is to provide a baseline for contract specifications, design and manufacture of electronic equipment to be supplied for transit rail cars to eliminate unnecessary variability in specifications, allowing manufacturers to provide consistent product lines that can meet the needs of the industry, save costs and improve reliability.
<b>5.3 Is the completion of this document contingent upon the completion of another document?</b> No	

**5.4 Purpose:** The international standard being adopted has no distinct purpose clause. The portion of its Scope clause that best matches an IEEE purpose is as follows: The intended users of this International Standard include: a) suppliers when: 1) specifying requirements for a COTS software product; 2) advertising performance claims for their product (ISO 9127); 3) assessing their own software products against the claimed performance; 4) issuing declarations of conformity (ISO/IEC 17050); 5) applying for certificates or marks of conformity (ISO/IEC Guide 23); b) certification bodies that may wish to establish a third-party certification scheme (international, regional or national) (ISO/IEC Guide 28); c) testing laboratories which will have to follow the instructions for testing when testing for a certificate or a mark of conformity (ISO/IEC 17025); d) accreditation bodies for accrediting registration or certification bodies and testing laboratories; e) potential acquirers who may: 1) compare the requirements for the intended work task with the information in product descriptions of existing software products; 2) look for certified COTS software product; 3) check if the requirements are otherwise met; f) end users who may profit from better software products; g) organizations: 1) establishing management and engineering environments based on the quality requirements and methods of this international standard; and 2) managing and improving their quality processes and personnel; h) regulatory authorities who may require or recommend the requirements of this International Standard for COTS software products used in safety or business-critical applications.

**Old Purpose:** The intended users of ISO/IEC 12119 are Suppliers of software packages; certification bodies which may wish to establish a third-party certification scheme; testing laboratories which will have to follow the instructions for testing when testing for a certificate or mark of conformity; accreditation bodies for accrediting certification bodies and testing laboratories; auditors of testing laboratories; buyers software packages; users who may profit from better products.

**5.5 Need for the Project:** As quoted from the long Scope clause of the international standard: This International Standard deals ... with providing the user confidence that the COTS software product will perform as offered and delivered.

**5.6 Stakeholders for the Standard:** Software suppliers, third-party certifiers, testing laboratories, accreditation bodies, potential acquirers, end users, organizations and regulatory authorities. The specific interests of these stakeholder groups are more fully described in the answer to question 5.4.

**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: 2006-07-31

If no, please explain:

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

If yes, please explain: Our normal arrangements for adoption of international standards are appropriate. IEEE-SA staff makes these arrangements.

**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? ? Yes**

**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**

The introduction of the standard includes the following: "In addition, when users require assurances that business or safety critical risks are involved, those assurances may need to be addressed by the user using techniques chosen by the user after the purchase. It is not the intent of this International Standard to specify minimum safety or business critical quality requirements for COTS, however, informative guidance is given. (See Annex B.)"

**7.4 Additional Explanatory Notes:**

7.2: This project is the adoption of an international standard. The international standard began its life as ISO/IEC 12119 which was adopted as IEEE Std 1465-1998. ISO revised their standard and renumbered it as ISO/IEC 25051. The goal of this project is to adopt the revised standard as the replacement for IEEE Std 1465-1998.

**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: