

[Email This Letter](#)

07 June 2007

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

Re: P730 - Standard for Software Quality Assurance Planning

Dear Paul:

I am pleased to inform you that on 07 June 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/730.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 05 September 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  
Phone +1 732 562 6003  
FAX +1 732 875 0695  
Email: s.hampton@ieee.org

CC: ron\_dean@sra.com BCC: s.hampton@ieee.org, t.t.lee@ieee.org, m.zaman@ieee.org

**PAR Request Date:** 23 February 2007**PAR Approval Date:** 07 June 2007**PAR Signature Page on File:** No**Type of PAR:** Revision to IEEE Standard**Status:** Revision to an Existing IEEE Std 730-2002**Root Project:****1.1 Project No.:** 730**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 Software Quality Assurance Planning

**3.1 Working Group Name**[Std for Software Quality Assurance Plans Working Group](#)**Working Group Chair**[Dean, Ronald F](#)  
Email: ron\_dean@sra.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:** April 2010**4.3 Projected Completion Date for Submittal to RevCom:** October 2010**5.1 Approximate number of people expected to work on this project:** 45

**5.2 Scope:** This standard establishes the requirements for planning Software Quality Assurance activities in support of a software project. It is directed toward the development and maintenance of software. The orientation is toward planning the systematic actions on a particular project that would provide adequate confidence that the software product conforms to established technical requirements. The standard also provides a means of satisfying the planning requirements of an organization's Quality Manual for a software project. It has been harmonized with the requirements of the Quality Assurance process of IEEE/EIA 12207.0 and the documentation content requirements of ISO/IEC 15289.

**Old Scope:** This standard applies to the development of a software quality assurance plan (SQAP). The existence of this standard should not be construed to prohibit additional content in a SQAP. An assessment should be made for the specific software item to assure adequacy of coverage. Where this standard is invoked for an organization or project engaged in producing several software items, the applicability of the standard should be specified for each of the software items. Although this document does not require the use of IEEE/EIA Std 12207.0-1996 [B17] and IEEE/EIA Std 12207.1-1997 [B18], it is consistent with those two standards.<sup>1</sup> An SQAP meeting the requirements of this standard will be in document compliance with the SQAP information item of IEEE/EIA 12207.1-1997[B18]. <sup>1</sup>The numbers in brackets correspond to those of the bibliography in Annex A.

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

**5.4 Purpose:** The purpose of this standard is to provide uniform, minimum acceptable requirements for Software Quality Assurance activities in support of a software project. In considering adoption of this standard, regulatory bodies should be aware that specific application of this standard may already be covered by one or more IEEE or ANSI standards documents relating to quality assurance, definitions, or other matters. It is not the purpose of this document to supersede, revise, or amend existing standards directed to specific industries or applications.

**Old Purpose:** The purpose of this standard is to provide uniform, minimum acceptable requirements for preparation and content of software quality assurance plans. In considering adoption of this standard, regulatory bodies should be aware that specific application of this standard may already be covered by one or more IEEE or ANSI standards documents relating to quality assurance, definitions, or other matters. It is not the purpose of this document to supersede, revise, or amend existing standards directed to specific industries or applications.

**5.5 Need for the Project:** This standard has been a benchmark for the software quality assurance community of practice since it was first published in 1979. The previous version of the standard was product-focused, i.e. on the requirements for a Quality Assurance Plan. This revision changes the standard to one that is process-focused, i.e. on the requirements for quality assurance planning. This change to a process focus is intended to be consistent with and provide elaboration of the process requirements in our software life cycle framework standard, IEEE 12207.0.

**5.6 Stakeholders for the Standard:** Those individuals and organizations who have a need to establish quality assurance activities in support of a software project, or who wish to understand the requirements for doing so.

**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: 2006-11-15

If no, please explain:

**6.1.b. Is the Sponsor aware of any copyright permissions needed for this project? No**

If yes, please explain:

**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? ? Do not know at this time**

**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:**

ISO/IEC 15289 - Software Engineering — Software Life Cycle Process — guidelines for the content of software life cycle process information products (documentation) ISO/IEC 12207 - Systems and Software Engineering — Software Life Cycle Processes IEEE 828 - IEEE Standard for Software Configuration Management Plans IEEE 12207.0 - Industry Implementation of International Standard ISO/IEC 12207: 1995 (ISO/IEC 12207) Standard for Information Technology — Software life cycle processes

**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: