

P90003

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Type of Project: Revision to IEEE Standard 90003-2015

PAR Request Date: 13-Oct-2017

PAR Approval Date: 06-Dec-2017

PAR Expiration Date: 31-Dec-2021

Status: PAR for a Revision to an existing IEEE Standard

Root Project: 90003-2015

1.1 Project Number: P90003

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Title: Software Engineering -- Guidelines for the application of ISO 9001:2015 to computer software

Changes in title: ~~IEEE Standard Adoption of ISO/IEC 90003:2014, Software Engineering -- Guidelines for the Application of ISO 9001:2008~~ **2015 to Computer Software**

3.1 Working Group: Working Group for Life Cycle Processes (C/S2ESC/WG_LCP)

Contact Information for Working Group Chair

Name: Teresa Doran

Email Address: terry.doran@computer.org

Phone: 631-266-2191

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: 03/2018

4.3 Projected Completion Date for Submittal to RevCom

Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 05/2021

5.1 Approximate number of people expected to be actively involved in the development of this project: 20

5.2 Scope: This International Standard provides guidance for organizations in the application of ISO 9001:2015 to the acquisition, supply, development, operation, and maintenance of computer software and related support services. It does not add to or otherwise change the requirements of ISO 9001:2015.

Annex A (informative) provides a table pointing to additional guidance in the implementation of ISO 9001:2015, available in ISO/IEC JTC 1/SC 7 and ISO/TC 176 International Standards.

The guidelines provided in this International Standard are not intended to be used as assessment criteria in quality management system registration/certification.

Changes in scope: This International Standard ~~specifies~~ **provides** requirements ~~guidance for a~~ **guidance for** organizations ~~quality in management the system application where of an ISO organization~~ **9001:2015 a) needs to demonstrate the its acquisition, ability supply, to development, consistently operation, provide and product maintenance that of meets computer customer software and applicable related statutory support and services. regulatory** It does not add to or otherwise ~~change the requirements; and of b) ISO aims~~ **9001:2015. to Annex enhance A customer (informative) satisfaction provides through a through table the pointing effective to application additional of guidance in the system, implementation including of processes ISO for 9001:2015, continual available improvement in of ISO/IEC the JTC system 1/SC 7 and the ISO/TC assurance 176 of International the Standards. conformity** The guidelines provided in this International Standard are not intended to ~~customer be and used applicable as~~ **statutory assessment and criteria regulatory in requirements quality management system registration/certification.**

5.3 Is the completion of this standard dependent upon the completion of another standard: No

5.4 Purpose: This document will not include a purpose clause.

5.5 Need for the Project: The standard assists in the application of ISO 9001 quality management standards to enterprises concerned with software. Guidance based on current IEEE software engineering standards is given for applicable 9001 clauses. The standard needs to be updated due to major revisions in its primary source of guidance, ISO/IEC/IEEE 12207:2017, Systems and software engineering: software life cycle processes, which is extensively referenced in ISO/IEC/IEEE 90003.

5.6 Stakeholders for the Standard: Developers, maintainers and managers of software enterprises as well as practitioners of quality management.

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

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: SC7

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8.1 Additional Explanatory Notes: 7.2: This project is a joint development under the Partner Standards Development Organization (PSDO) agreement between the IEEE and ISO/IEC JTC 1. IEEE previously adopted the original version of ISO/IEC 90003, but for this revision will engage in joint development with ISO/IEC JTC 1/SC7/WG7.

2.1 The title is being changed (to reflect ISO/IEC/IEEE), since it is no longer an IEEE adoption, but a joint development.

4.2 The initial revision draft is currently being balloted in SC7; the standard is expected to be ready for IEEE ballot within a few months after PAR approval.