

P24748-1

Submitter Email: terry.doran@computer.org

Type of Project: Revision to IEEE Standard 24748-1-2011

PAR Request Date: 12-Oct-2016

PAR Approval Date: 07-Dec-2016

PAR Expiration Date: 31-Dec-2020

Status: PAR for a Revision to an existing IEEE Standard

Root Project: 24748-1-2011

1.1 Project Number: P24748-1

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Title: Systems and Software Engineering - Life Cycle Management - Part 1: Guidelines for Life Cycle Management (P24748-1)

Changes in title: ~~IEEE Guide—Adoption of ISO/IEC TR 24748-1:2010~~ Systems and Software Engineering -- Life Cycle Management -- Part 1: ~~Guide~~Guidelines for Life Cycle Management (P24748-1)

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: 02/2017

4.3 Projected Completion Date for Submittal to RevCom

Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 02/2019

5.1 Approximate number of people expected to be actively involved in the development of this project: 10

5.2 Scope: This International Standard provides guidelines for the life cycle management of systems and software based on ISO/IEC 15288 and ISO/IEC 12207. This International Standard:

- addresses systems concepts and life cycle concepts, models, stages, processes, process application, key points of view, adaptation and use in various disciplines;
- establishes a common framework for describing life cycles, including their individual stages, for the management of projects to provide or acquire either products or services;
- defines the concept and terminology of a life cycle;
- supports the use of the life cycle processes within an organization or a project. Organizations and projects can use these life cycle concepts when acquiring and supplying either products or services;
- provides guidance on adapting a life cycle model and the content associated with a life cycle or a part of a life cycle;
- describes the relationship between life cycles and their use in ISO/IEC 15288 (systems aspects) and ISO/IEC 12207 (software

Changes in scope: This ~~Technical~~International ReportStandard ~~is~~provides a ~~guidelines~~ guide for the life cycle management of systems and software based on ISO/IEC 15288 and ISO/IEC 12207. This ~~Technical~~International ReportStandard: - addresses systems concepts and life cycle concepts, models, stages, processes, process application, key points of view, adaptation and use in various ~~domains~~disciplines; - establishes a common framework for describing life cycles, including their individual stages, for the management of projects to provide or acquire either products or services; defines the concept and terminology of a life cycle; - supports the use of the life cycle processes within an organization or a project. Organizations and projects can use these life cycle concepts when acquiring and supplying either products or services; - provides guidance on adapting a life cycle model and the content associated with a life cycle or a part of a life cycle; - describes the relationship between life cycles and their use in ISO/IEC 15288 (systems aspects) and ISO/IEC 12207 (software aspects); - shows the relationships of life cycle concepts to the

aspects);
- shows the relationships of life cycle concepts to the hardware, human, services, process, procedure, facility and naturally occurring entity aspects of projects;
- describes how its concepts relate to detailed process standards, for example, in the areas of measurement, project management and risk management.

hardware, human, services, process, procedure, facility and naturally occurring entity aspects of projects; - describes how its concepts relate to detailed process standards, for example, in the areas of measurement, project management and risk management;—
~~complements domain specific application guidance in ISO/IEC TR 19760 and ISO/IEC TR 15271. NOTE When published, ISO/IEC TR 24748 2 and ISO/IEC 24748 3 will cancel and replace ISO/IEC TR 19760 and ISO/IEC TR 15271, respectively.~~

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: To provide guidance for users in developing life cycle models and assigning life cycle processes to stages in the model.

5.6 Stakeholders for the Standard: Any organization implementing repeatable software and systems engineering processes.

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

Contact Name: Witold Suryń

Phone: 514-396-8652

Email: witold.suryń@etsmtl.ca

8.1 Additional Explanatory Notes: This guideline is being revised to reflect changes in the key standards on which it is based. The key base standards for this IS are ISO/IEC/IEEE 15288 and ISO/IEC/IEEE 12207, which have been revised and harmonized. ISO/IEC/IEEE 15288 completed major revision in 2015 and ISO/IEC/IEEE 12207 is in the last stages for completion in 2017.

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 24748-1, which is now being revised by ISO/IEC JTC 1/SC7/WG7. An initial revision draft has already been prepared by the ISO working group in consultation with members of the IEEE working group. Hence, the standard is expected to be ready for ballot shortly after PAR approval.

2.1 The title has been changed, since it is no longer an IEEE adoption, but a joint development and it is no longer a Technical Report, but an International Standard.

Regarding standards referenced in 24748-1 --

There are over 30 documents referenced in addition to the key base standards -- ISO/IEC/IEEE 15288, Systems and software engineering -- System life cycle processes and ISO/IEC/IEEE 12207, Systems and software engineering -- Software life cycle processes.