**ISO/IEC JTC 1
Information Technology**

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1. REQUEST

JTC 1/SC 7 secretariat requests the JTC 1 secretariat to take the necessary action for making ISO/IEC TR 24748 Part 1: Systems and software engineering – Life cycle management – Guide for life cycle management publicly available as a navigator for purchasing ISO/IEC 15288:2008, ISO/IEC 12207:2008 and ISO/IEC TR 24748-series documents. This request is based on SC 7 Document 07N3560 Updated NP proposal - Harmonization of ISO/IEC 15288 and ISO/IEC 12207 life cycle management (Refined).

Document Title: ISO/IEC Technical Report 24748, Part 1: Systems and software engineering—Guide for life cycle management.

Abstract of ISO/IEC TR 24748, Part 1: This Technical Report supports the use of ISO/IEC 15288:2008 and ISO/IEC 12207:2008. It illustrates the use of a life cycle models for systems and software in the context of those two standards. It serves as an umbrella document for two other Guides currently under the development – ISO/IEC 24748 Part 2 and Part 3 which will be the detailed guides for the use of ISO/IEC 15288:2008 and ISO/IEC 12207:2008, respectively. (See Appendix A) This Technical Report provides information on life cycle concepts and descriptions of the purposes and outcomes of representative life cycle stages and provides detailed discussion and advice on adapting a life cycle models for use in a specific project and organizational environment. It further provides guidance on life cycle model use by domains, disciplines and specialties.

ISO/IEC TR 24748-1 provides a detailed comparison between prior and current versions of ISO/IEC 12207 and ISO/IEC 15288, as well as advice on transitioning from prior to current versions and the use of their application guides. The discussion and advice are intended to provide a reference model for life cycle models, facilitate use of the updated ISO/IEC 15288 and ISO/IEC 12207, and provide a framework for the development of updated application guides for those International Standards. This Technical Report is a result of the alignment stage of the harmonization of ISO/IEC 12207 and ISO/IEC 15288.

2. RATIONALE

According to JTC 1 N7604, ISO/IEC TR 24748, Part 1 meets criteria (5), (6) and (8), as follows:

(5) REFERENCE MODELS A: Documents which explain the relationship between existing standards

(6) REFERENCE MODELS B: Architectural descriptions which describe frameworks to guide standards development, including profiles and taxonomies

(8) Those Type 3 technical reports which describe basic visions and concepts in the domains covered by a set of standards.

As stated in the abstract of TR 24748, Part 1, as well as in its scope, Part 1 provides a framework to guide development of the two application guides for ISO/IEC 15288:2008 and ISO/IEC 12207:2008, which will be for-sale Parts 2 and 3 of TR 24748, respectively (Criterion 6). ISO/IEC TR 24748 Part 1 describes and explains basic concepts and relations among a number of standards among which are ISO/IEC 12207:2008, ISO/IEC 15288:2008, Part 2 and Part 3 currently under the development and other related and supporting process standards. (Criterion 8). TR 24748, Part 1 explains the relationships between ISO/IEC 12207 and ISO/IEC 15288 (Criterion 5) and describes a reference model (Criterion 5). Further, TR 24748, Part 1 gives references to several other standards, it serves to explain the inter-relationships among these standards, it serves to promote the work of JTC1 and by being freely available is expected to increase the sales of the referenced standards.

Therefore, making TR 24748, Part 1 a freely available document can help users of ISO/IEC standards 12207 and 15288 understand and apply the standards in the context of life cycle management. It also helps sales of those standards and their application guides, TR 24748, Parts 2 and 3, respectively.

Appendix A

The following figure depicts the relations among standards and technical reports directly related to ISO/IEC TR 24748 Part 1.