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Introduction

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Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/ Figure/Table/Note	Type of comment	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	



DRAFT International Standard

ISO/IEC/IEEE DIS 24748-10

Systems and software engineering — Life cycle management —

Part 10: Guidelines for systems engineering agility

ICS: 35.080

ISO/IEC JTC 1/SC 7

Secretariat: **BIS**

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2025-05-20

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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialised system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO/IEC documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives or www.iec.ch/members_experts/refdocs).

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This document was prepared by Joint Technical Committee ISO/JTC 1, Information technology, Subcommittee SC 7, Software and systems engineering, in cooperation with the Systems and Software Engineering Standards Committee of the IEEE Computer Society, under the Partner Standards Development Organization cooperation agreement between ISO and IEEE.

A list of all parts in the ISO/IEC/IEEE 24748 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html and www.iec.ch/national-committees.

Introduction

Systems engineering agility is a strategy-based method for designing, building, sustaining, and evolving purpose-fulfilling creations when knowledge is uncertain and operational environments are dynamic. Strategies are abstractions for what needs to be accomplished and why, without constraints or directions on how to achieve them. Thus, systems engineering agility is a what, not a how; a strategic intent, not a tactical method. There are many different methods that can be adopted, adapted, or crafted to suit project contexts and organizational cultures, but all share the same goals and strategies.

This part of ISO/IEC/IEEE 24748 specifies strategic aspects supporting systems engineering agility. It includes guidelines for the application of the strategic aspects as well as relevant examples. Individually and collectively, the aspects can improve capability to deal with uncertain knowledge and dynamic environments.

Systems and software engineering — Life cycle management —

Part 10: Guidelines for systems engineering agility

1 Scope

This part of ISO/IEC/IEEE 24748

- specifies strategic aspects supporting systems engineering agility, and
- provides guidelines for their selection and application.

This part of ISO/IEC/IEEE 24748 is applicable to

- those who use or plan to use ISO/IEC/IEEE 15288 on projects dealing with human-made systems and services related to those systems and products,
- those who are responsible for the technical management of projects concerned with the engineering of systems,
- those responsible for executing ISO/IEC/IEEE 15288 system life cycle processes at a project level, and
- organizations and individuals who are seeking to improve their capability to deal with uncertain knowledge and dynamic environments.

2 Normative references

There are no normative references in this document.

3 Terms, definitions and abbreviated terms

3.1 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

NOTE For additional terms and definitions in the field of systems and software engineering, see ISO/IEC/IEEE 24765, which is published periodically as a “snapshot” of the SEVOCAB (Systems and software Engineering Vocabulary) database and which is publicly accessible at <http://www.computer.org/sevocab>.

ISO, IEC, and IEEE maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>
- IEEE Standards Dictionary Online: available at <https://ieeexplore.ieee.org/xpls/dictionary.jsp>

NOTE Definitions for other system and software engineering terms can be found in ISO/IEC/IEEE 24765, available at <http://www.computer.org/sevocab>.