This is a preview - click here to buy the full publication

INTERNATIONAL STANDARD

ISO/IEC 24773-3

First edition 2021-09

Software and systems engineering — Certification of software and systems engineering professionals —

Part 3: **Systems engineering**

Ingénierie du logiciel — Certification des professionnels de l'ingénierie du logiciel —

Partie 3: Ingénierie des systèmes



ISO/IEC 24773-3:2021(E)



COPYRIGHT PROTECTED DOCUMENT

© ISO/IEC 2021

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office CP 401 • Ch. de Blandonnet 8 CH-1214 Vernier, Geneva Phone: +41 22 749 01 11 Email: copyright@iso.org Website: www.iso.org Published in Switzerland

Contents Foreword Introduction							
				1	Scop	e	1
				2	Norn	native reference	1
3		ns and definitions					
4	Conf	ormance	2				
5	Requ 5.1 5.2 5.3	Fundamental components of a conformant scheme Knowledge — Identification of a body of knowledge (BOK) 5.3.1 General 5.3.2 Reference body of knowledge 5.3.3 Alternate body of knowledge 5.3.4 Other technical knowledge 5.3.5 Domain knowledge 5.3.6 Verification of knowledge Skills 5.4.1 Identification of skills 5.4.2 Assessment of skills Competence					
	5.6	Professional attributes	5				
Anne	5.7 e x A (in	Certification renewal					
		formative) Elaboration of skills					
		formative) Elaboration of competency areas					
		formative) Exemplar mappings of competencies to skills and knowledge					
Bibliography							
	-9- "PI	J					

Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized 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 document 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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents) or the IEC list of patent declarations received (see patents.iec.ch).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html. In the IEC, see www.iec.ch/understanding-standards.

This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 7, *Software and systems engineering*.

A list of all parts in the ISO/IEC 24773 series can be found on the ISO and IEC websites.

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

The ISO/IEC 24773 series addresses the certification of professionals in software and systems engineering. ISO/IEC 24773-1 contains general requirements for such certification schemes. This document contains requirements specific to certification schemes for systems engineering professionals.

The concepts, and requirements for certification schemes contained in ISO/IEC 24773-1 and ISO/IEC 17024 apply to this document.

Software and systems engineering — Certification of software and systems engineering professionals —

Part 3:

Systems engineering

1 Scope

This document elaborates requirements and recommendations for certifications schemes based on ISO/IEC 24773-1, which are specific to the domain of systems engineering.

2 Normative reference

The following documents are referred to in the text in such a way that some or all their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 17024, Conformity assessment — General requirements for bodies operating certification of persons

ISO/IEC 24773-1:2019, Software and systems engineering — Certification of software and systems engineering professionals — Part 1: General requirements

ISO/IEC TS 17027, Conformity assessment — Vocabulary related to competence of persons used for certification of persons