TR ISO/TS 9002:2024 ISO/TS 9002:2016, IDT (ICS 03.100.70; 03.120.10)

TECHNICAL REFERENCE

Quality management systems – Guidelines for the application of SS ISO 9001:2015





TR ISO/TS 9002:2024 ISO/TS 9002:2016, IDT

(ICS 03.100.70; 03.120.10)

TECHNICAL REFERENCE

Quality management systems – Guidelines for the application of SS ISO 9001:2015

Published by Enterprise Singapore

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilised in any form or by any means, electronic or mechanical, including photocopying and microfilming, without permission in writing from Enterprise Singapore. Request for permission can be sent to: standards@enterprisesg.gov.sg.

© ISO 2016 © Enterprise Singapore 2024

ISBN 978-981-5237-37-5

TR ISO/TS 9002:2024

National Foreword

This Technical Reference (TR) was prepared by the Working Group on Quality Management Systems (also known as the National Mirror Working Group on ISO/TC 176 – Quality Management and Quality Assurance) set up by the Technical Committee on Quality and Core Business Processes under the purview of the Safety and Quality Standards Committee.

This TR is an identical adoption of ISO/TS 9002:2016, "Quality management systems – Guidelines for the application of ISO 9001:2015", published by the International Organization for Standardization.

This TR is a provisional standard made available for application over a period of three years. The aim is to use the experience gained to update the TR so that it can be adopted as a Singapore Standard. Users of the TR are invited to provide feedback on its technical content, clarity and ease of use. Feedback can be submitted using the form provided in the TR. At the end of the three years, the TR will be reviewed, taking into account any feedback or other considerations, to further its development into a Singapore Standard if found suitable.

Attention is drawn to the possibility that some of the elements of this TR may be the subject of patent rights. Enterprise Singapore shall not be held responsible for identifying any or all of such patent rights.

NOTE

- Singapore Standards (SSs) and Technical References (TRs) are reviewed periodically to keep abreast of technical changes, technological developments and industry practices. The changes are documented through the issue of either amendments or revisions. Where SSs are deemed to be stable, i.e. no foreseeable changes in them, they will be classified as "mature standards". Mature standards will not be subject to further review, unless there are requests to review such standards.
- 2. An SS or TR is voluntary in nature except when it is made mandatory by a regulatory authority. It can also be cited in contracts making its application a business necessity. Users are advised to assess and determine whether the SS or TR is suitable for their intended use or purpose. If required, they should refer to the relevant professionals or experts for advice on the use of the document. Enterprise Singapore and the Singapore Standards Council shall not be liable for any damages whether directly or indirectly suffered by anyone or any organisation as a result of the use of any SS or TR. Although care has been taken to draft this standard, users are also advised to ensure that they apply the information after due diligence.
- 3. Compliance with a SS or TR does not exempt users from any legal obligations.

TECHNICAL SPECIFICATION

First edition 2016-11-01

Quality management systems — Guidelines for the application of ISO 9001:2015

Systèmes de management de la qualité — Lignes directrices pour l'application de l'ISO 9001:2015



Reference number ISO/TS 9002:2016(E) TR ISO/TS 9002:2024 ISO/TS 9002:2016(E)



© ISO 2016, Published in Switzerland

All rights reserved. Unless otherwise specified, 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 Ch. de Blandonnet 8 • CP 401 CH-1214 Vernier, Geneva, Switzerland Tel. +41 22 749 01 11 Fax +41 22 749 09 47 copyright@iso.org www.iso.org

Contents

Page

Forew	ord			v			
Introd	luction			vi			
1	Scone			1			
2	Normative references						
_							
3	Terms and definitions						
4	Contex 4.1 4.2 4.3 4.4	ext of the organization Understanding the organization and its context Understanding the needs and expectations of interested parties Determining the scope of the quality management system Quality management system and its processes					
5	Leadership						
	5.1 5.2	Leadership and commitment 5.1.1 General 5.1.2 Customer focus Policy					
			Establishing the quality policy				
		5.2.2	Communicating the quality policy	9			
	5.3 Organizational roles, responsibilities and authorities						
6	Plann 6.1 6.2 6.3	Actions to Quality of	to address risks and opportunities objectives and planning to achieve them g of changes	10 12			
7	Support1						
	7.1 Resources						
			General				
			People				
			Infrastructure				
			Environment for the operation of processes				
		7.1.5	Organizational knowledge	17			
	7.2		ence				
	7.3		2SS				
	7.4	Commur	nication	19			
	7.5		nted information				
			General				
			Creating and updating Control of documented information				
_	-						
8	Operation 2						
	8.1 8.2		onal planning and control ments for products and services				
			Customer communication				
			Determining the requirements for products and services				
			Review of the requirements for products and services				
		8.2.4	Changes to requirements for products and services	24			
	8.3	Design a	nd development of products and services	24			
			General				
			Design and development planning.				
			Design and development inputs				
			Design and development controls Design and development outputs				
			Design and development changes				

ISO/TS 9002:2016(E)

	8.4	Control of externally provided processes, products and services			
		8.4.1 General			
		8.4.2 Type and extent of control			
		8.4.3 Information for external providers			
	8.5	Production and service provision			
		8.5.1 Control of production and service provision			
		8.5.2 Identification and traceability			
		8.5.3 Property belonging to customers or external providers			
		8.5.4 Preservation			
		8.5.5 Post-delivery activities			
		8.5.6 Control of changes			
	8.6	Release of products and services			
	8.7	Control of nonconforming outputs			
9	Perfor				
	9.1	Monitoring, measurement, analysis and evaluation			
		9.1.1 General			
		9.1.2 Customer satisfaction			
		9.1.3 Analysis and evaluation			
	9.2	Internal audit			
	9.3	Management review			
		9.3.1 General			
		9.3.2 Management review inputs			
		9.3.3 Management review outputs			
10	Improvement				
	10.1	General			
	10.2	Nonconformity and corrective action			
	10.3	Continual improvement			
Bibliography					

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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 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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO 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).

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

For an explanation on 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 the following URL: <u>www.iso.org/iso/foreword.html</u>.

The committee responsible for this document is Technical Committee ISO/TC 176, *Quality management and quality assurance*, Subcommittee SC 2, *Quality systems*.

ISO/TS 9002:2016(E)

Introduction

This document has been developed to assist users to apply the quality management system requirements of ISO 9001:2015 *Quality management systems – Requirements*.

This document provides guidance, with a clause by clause correlation to Clauses 4 to 10 of ISO 9001:2015, however it does not provide guidance on ISO 9001:2015, Annexes A and B. Where there is direct correlation between list items (i.e. bullet points) in a clause in ISO 9001:2015 and the guidance, this is indicated within the clause of this document.

This document gives examples of what an organization can do, but it does not add new requirements to ISO 9001. The examples in this document are not definitive and only represent possibilities, not all of which are necessarily suitable for every organization.

ISO 9001 contains requirements that can be objectively audited or evaluated. This document includes examples, descriptions and options that aid both in the implementation of a quality management system and in strengthening its relation to the overall management system of an organization. While the guidelines in this document are consistent with the ISO 9001 quality management system model, they are not intended to provide interpretations of the requirements of ISO 9001 or be used for audit or evaluation purposes.

As the requirements of ISO 9001 are generic, this document can be used by organizations of all types, sizes, levels of maturity and in all sectors and geographic locations. However, the way an organization applies the guidance can vary based on factors such as the size or the complexity of the organization, the management model it adopts, the range of the organization's activities and the nature of the risks and opportunities it encounters.

Risk is the level of uncertainty inherent in a quality management system. There are risks in all systems, processes and functions. Risk-based thinking ensures these risks are determined, considered and controlled throughout the design and use of the quality management system.

Risk-based thinking has been implicit in previous editions of ISO 9001 in such requirements as determining the type and extent of control for external providers based on the effect of the product that is going to be provided, or taking corrective action based on the potential effect of an identified nonconformity.

In addition, in previous editions of ISO 9001, a clause on preventive action was included. By using risk-based thinking the consideration of risk is integral. It becomes proactive rather than reactive in preventing or reducing undesired effects through early identification and action. Preventive action is built-in when a management system is risk-based.

Not all the processes of a quality management system represent the same level of risk in terms of the organization's ability to meet its quality objectives. Some need more careful and formal planning and control than others.

There is no requirement in ISO 9001 to use formal risk management in determining and addressing risks and opportunities. An organization can choose the methods that suit its needs. IEC 31010 provides a list of risk assessment tools and techniques that can be considered, depending on the organization's context.

In some cases, an organization might have a formal risk management process in place that is required by customers or statutory and regulatory requirements. In such circumstances, the organization can adapt its formal risk management process to meet the intent of the requirements in ISO 9001 concerning risks and opportunities.

In addition to ISO 9001:2015, Annex A, ISO has published a number of other quality management standards and informative resources which can assist the user and provide information on additional implementation methods, including:

- the ISO handbook: ISO 9001:2015 for Small Enterprises What to do ? Advice from ISO/TC 176
- the ISO 9001 Auditing Practices Group (APG) papers: <u>www.iso.org/tc176/</u> <u>ISO9001AuditingPracticesGroup</u>
- public information on the ISO/TC 176/SC2 website: <u>https://committee.iso.org/tc176sc2</u>
- the ISO handbook: *The Integrated Use of Management System Standards*.

Additional standards and documents are listed in the Bibliography.

Quality management systems — Guidelines for the application of ISO 9001:2015

1 Scope

This document provides guidance on the intent of the requirements in ISO 9001:2015, with examples of possible steps an organization can take to meet the requirements. It does not add to, subtract from, or in any way modify those requirements.

This document does not prescribe mandatory approaches to implementation, or provide any preferred method of interpretation.

2 Normative references

The following documents are referred to in the text in such a way that some or all of 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 9000:2015, Quality management systems — Fundamentals and vocabulary

ISO 9001:2015, Quality management systems — Requirements