

SS ISO 9004 : 2018 ISO 9004:2018, IDT

(ICS 03.120.10; 03.100.70)

SINGAPORE STANDARD

Quality management – Quality of an organisation – Guidance to achieve sustained success



Published by



SS ISO 9004 : 2018 ISO 9004:2018, IDT (ICS 03.120.10; 03.100.70)

SINGAPORE STANDARD

Quality management – Quality of an organisation – Guidance to achieve sustained success

All rights reserved. Unless otherwise specified, no part of this Singapore Standard 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 2018 – All rights reserved © Enterprise Singapore 2018

This Singapore Standard was approved by the Quality and Safety Standards Committee on behalf of the Singapore Standards Council on 10 May 2018.

First published, 1988 First revision, 1994 Second revision, 2000 Third revision, 2009 Fourth revision, 2018

The Quality and Safety Standards Committee, appointed by the Standards Council, consists of the following members:

		Name	Capacity
Chairman	:	Er. Go Heng Huat	Individual Capacity
Deputy Chairman	:	Mr Seet Choh San	Singapore Institution of Safety Officers
Advisor	:	Mr Chan Yew Kwong	Individual Capacity
Secretary	:	Ms Kong Wai Yee	Singapore Manufacturing Federation – Standards Development Organisation
Members	:	Er. Goh Keng Cheong	Housing & Development Board
		Er. Hashim Bin Mansoor	Building and Construction Authority
		Assoc Prof Hoon Kay Hiang	Nanyang Technological University
		Mr Koh Yeong Kheng	Association of Small and Medium Enterprises
		Mr Lee Kay Chai	Singapore Contractors Association Limited
		Prof Lee Pui Mun	Singapore University of Social Sciences
		Mr Lim Kee Huat/Mr Liow Kin Lian	Society of Loss Prevention in the Process Industries
		Mr Steven Nah	Association of Process Industry
		Mr Ong Liong Chuan	Individual Capacity
		Mr Perianan Radhakrishnan	Singapore Welding Society
		Assoc Prof Simon Poh Siew Beng	National University of Singapore
		Mr Derek Sim	Association of Singapore Marine Industries
		Mr Harnek Singh	Individual Capacity
		Mr Birch Sio	Singapore Manufacturing Federation
		Mr Alvin Soong Kheng Boon	Land Transport Authority
		Mr Tan Kay Chen	The Institution of Engineers, Singapore
		Mr Daniel Tan Kuan Wei	Individual Capacity
		Mr Ronald Tan	Singapore Productivity Association
		Mr Jonathan Wan	Individual Capacity
		Mr Wong Siu Tee	JTC Corporation
		Mr Winston Yew	Workplace Safety and Health Council

The Technical Committee on Quality and Core Business Processes, appointed by the then Management Systems Standards Committee and responsible for the preparation of this standard, consists of representatives from the following organisations:

		Name	Capacity
Chairman Deputy	:	Mr Harnek Singh	Individual Capacity
	:	Er. Go Heng Huat	Individual Capacity
Secretary	:	Mr Harry Chua	Singapore Manufacturing Federation – Standards Development Organisation
Members	:	Mr Chia Beng Chye	Individual Capacity
		Prof Goh Thong Ngee	National University of Singapore
		Mr Rama Prasad Mamidi	Project Management Institute, Singapore Chapter
		Prof Rohit Bhatnagar	Nanyang Business School, Nanyang Technological University
		Mr Herdial Singh	Individual Capacity
		Mr Tang Khoon Sin	National University of Singapore
		Mr George Wong	Institute of Management Consultants (Singapore)

The Working Group on Quality Management Systems, appointed by the Technical Committee to assist in the preparation of this standard, comprises the following experts who contribute in their *individual capacity*:

Name

The organisations in which the experts of the Working Group are involved are:

Agility Logistics Services Pte Ltd
National University of Singapore
Sembcorp Design and Construction
Singapore Accreditation Council
Singapore Contractors Association Limited
ST Electronics (Info-Software Systems) Pte Ltd

Contents

		reword		
		_		
		1		
1		pe		
2 3		rmative references		
_	Terms and definitions			
4	Qua 4.1	Quality of an organization		
	4.1	Managing for the sustained success of an organization		
5		text of an organization		
3	5.1	General		
	5.2	Relevant interested parties		
	5.3	External and internal issues		
6		ntity of an organization		
	6.1	General		
	6.2	Mission, vision, values and culture		
7	Lead	dership		
	7.1	General		
	7.2	Policy and strategy		
	7.3	Objectives		
	7.4	Communication		
8	Pro	cess management		
	8.1	General		
	8.2	Determination of processes		
	8.3	Process responsibility and authority		
	8.4	Managing processes		
9	Res	ource management		
	9.1	General		
	9.2	People		
		9.2.1 General		
		9.2.2 Engagement of people		
		9.2.3 Empowerment and motivation of people		
		9.2.4 Competence of people		

	9.3	Organizational knowledge		
	9.4	Technology		
	9.5	Infrastructure and work environment		
		9.5.1 General		
		9.5.2 Infrastructure		
		9.5.3 Work environment		
	9.6	Externally provided resources		
	9.7	Natural resources		
10	Ana	Analysis and evaluation of an organization's performance		
	10.1	General		
	10.2	Performance indicators		
	10.3	Performance analysis	3	
	10.4	Performance evaluation	3	
	10.5	Internal audit	3	
	10.6	Self-assessment	3	
	10.7	Reviews	3	
11	Imp	rovement, learning and innovation		
	11.1	General	3	
	11.2	Improvement	3	
	11.3	Learning	3	
	11.4	Innovation	3	
		11.4.1 General	3	
		11.4.2 Application	3	
		11.4.3 Timing and risk	3	
Anne	exes			
A	(info	ormative) Self-assessment tool	3	
Biblio	ography	V		

National Foreword

This Singapore Standard was prepared by the Working Group on Quality Management Systems appointed by the Technical Committee on Quality and Core Business Processes under the direction of the Quality and Safety Standards Committee.

This standard is a revision of SS ISO 9004 : 2009 and is identical with International Standard ISO 9004:2018, "Quality management – Quality of an organization – Guidance to achieve sustained success". SS ISO 9004 : 2018 cancels and replaces SS ISO 9004 : 2009.

The references to International Standards shall be replaced by the following Singapore Standards:

International Standard	Corresponding Singapore Standard
ISO 9000	SS ISO 9000
ISO 9001	SS ISO 9001
ISO 14001	SS ISO 14001
ISO 19011	SS ISO 19011
ISO 22000	SS ISO 22000
ISO 31000	SS ISO 31000
ISO 45001	SS ISO 45001
ISO 50001	SS ISO 50001

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

NOTE

- 1. 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.
- 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 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.
- 3. Compliance with a SS or TR does not exempt users from any legal obligations.

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 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 the following URL: www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 176, *Quality management and quality assurance*, Subcommittee 2, *Quality systems*.

This fourth edition cancels and replaces the third edition (ISO 9004:2009), which has been technically revised. The main changes compared to the previous edition are as follows:

- alignment with the concepts and terminology of ISO 9000:2015 and ISO 9001:2015;
- focus on the concept of "quality of an organization";
- focus of the concept of "identity of an organization".

Introduction

This document provides guidance for organizations to achieve sustained success in a complex, demanding and ever-changing environment, with reference to the quality management principles described in ISO 9000:2015. Where they are applied collectively, quality management principles can provide a unifying basis for an organization's values and strategies.

While ISO 9001:2015 focuses on providing confidence in an organization's products and services, this document focuses on providing confidence in the organization's ability to achieve sustained success.

Top management's focus on the organization's ability to meet the needs and expectations of customers and other relevant interested parties provides confidence in achieving sustained success. This document addresses the systematic improvement of the organization's overall performance. It includes the planning, implementation, analysis, evaluation and improvement of an effective and efficient management system.

Factors affecting an organization's success continually emerge, evolve, increase or diminish over the years, and adapting to these changes is important for sustained success. Examples include social responsibility, environmental and cultural factors, in addition to those that might have been previously considered, such as efficiency, quality and agility; taken together, these factors are part of the organization's context.

The ability to achieve sustained success is enhanced by managers at all levels learning about and understanding the organization's evolving context. Improvement and innovation also support sustained success.

This document promotes self-assessment and provides a self-assessment tool for reviewing the extent to which the organization has adopted the concepts in this document (see Annex A).

A representation of the structure of this document, incorporating the elements essential to achieve sustained success of an organization as covered in this document, is presented in Figure 1.

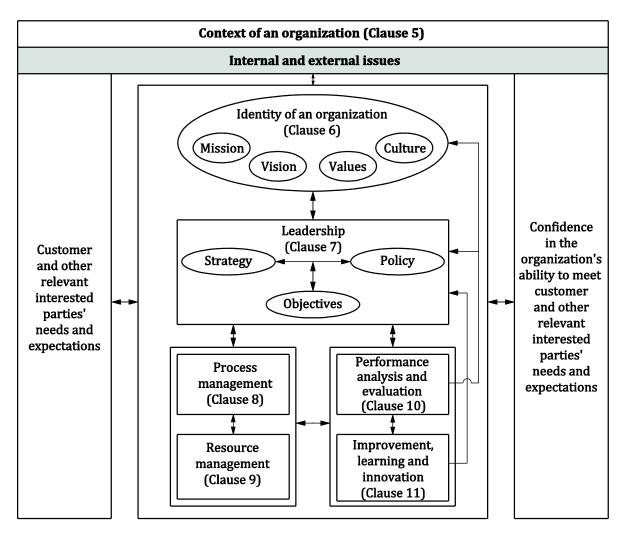


Figure 1 — Representation of the structure of this document

Quality management — Quality of an organization — Guidance to achieve sustained success

1 Scope

This document gives guidelines for enhancing an organization's ability to achieve sustained success. This guidance is consistent with the quality management principles given in ISO 9000:2015.

This document provides a self-assessment tool to review the extent to which the organization has adopted the concepts in this document.

This document is applicable to any organization, regardless of its size, type and activity.

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