

SINGAPORE STANDARD

**Conformity assessment — Requirements
for bodies providing audit and
certification of management systems**

– Part 2 : Competence requirements for auditing
and certification of environmental management
systems

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– Part 2 : Competence requirements for auditing and certification of
environmental management systems

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	Mr Ronald Tan	<i>Singapore Productivity Association</i>

The Working Group on Conformity Assessment (CASCO), appointed by the Management Systems Standards Committee to assist in the preparation of this standard, comprises the following experts who contribute in their *individual capacity*:

	Name
Co-Convenors	: Mr Ngiam Tong Yuen Dr Lee Tong Kooi
Secretary	: Ms Aruna Charukesi Palaninathan
Members	: Mr Heng Hoon Jee Dr Ho Teck Tuak Dr Danny Ker Ms Lee Ham Eng Mr Kenneth Liang Ms Jaime Lim Yin Mr Stanley Ong Mr See Boon Ping Mr Sze Thiam Siong

Members : Mr Than Soe
Ms Delfin Yeo
Mr Yusoof Aynuddin

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

Building and Construction Authority
Health Sciences Authority
Intertek Testing Services (S) Pte Ltd
Ministry of Manpower
Monsunque Pte Ltd
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Singapore Quality Institute
Singapore Welding Society
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Contents

	Page
National Foreword _____	8
Foreword _____	9
Introduction _____	11
1 Scope _____	12
2 Normative references _____	12
3 Terms and definitions _____	12
4 Generic competence requirements _____	12
5 Competence requirements for EMS auditors _____	13
5.1 General _____	13
5.2 Environmental terminology _____	13
5.3 Environmental metrics _____	13
5.4 Environmental monitoring and measuring techniques _____	13
5.5 Environmental aspects and impacts _____	13
5.6 Life cycle perspective _____	13
5.7 Environmental performance evaluation _____	13
5.8 Compliance obligations _____	14
5.9 Emergency preparedness and response _____	14
5.10 Operational control _____	14
5.11 Factors related to site _____	14
5.12 Scope _____	14
5.13 Communicated information _____	14
5.14 Context of the organization _____	14
5.15 Risks and opportunities _____	15
6 Aspect-specific competence requirements for EMS auditing _____	15
6.1 General _____	15
6.2 Emissions to air _____	15
6.2.1 General _____	15
6.2.2 Gases, aerosols and particulate matter _____	15
6.2.3 Operational control _____	15
6.2.4 Monitoring and measurement _____	15

	Page
6.3 Releases to land _____	16
6.3.1 General _____	16
6.3.2 Liquid or solid releases _____	16
6.3.3 Operational control _____	16
6.3.4 Monitoring and measurement _____	16
6.4 Releases to water _____	16
6.4.1 General _____	16
6.4.2 Surface and ground water _____	16
6.4.3 Operational control _____	16
6.4.4 Monitoring and measurement _____	16
6.5 Uses of raw materials, energy and natural resources _____	17
6.5.1 Upstream management _____	17
6.5.2 Downstream management _____	17
6.5.3 Operational control _____	17
6.5.4 Monitoring and measurement _____	17
6.6 Energy emitted _____	17
6.6.1 Sources of energy emissions _____	17
6.6.2 Operational control _____	17
6.6.3 Monitoring and measurement _____	17
6.7 Waste _____	18
6.7.1 Sources of waste _____	18
6.7.2 Operational control _____	18
6.7.3 Monitoring and measurement _____	18
6.8 Use of space _____	18
6.8.1 Physical attributes _____	18
6.8.2 Operational control _____	18
6.8.3 Monitoring and measurement _____	18
7 Competence requirements for other personnel _____	18
7.1 General _____	18
7.2 Competence of personnel conducting the application review to determine the audit team competence required, to select the audit team members and to determine the audit time _____	19
7.2.1 Environmental terminology _____	19

	Page
7.2.2 Environmental aspects and impacts _____	19
7.2.3 Factors related to site _____	19
7.2.4 Scope _____	19
7.3 Competence of personnel reviewing audit reports and making certification decisions _____	19
7.3.1 Environmental terminology _____	19
7.3.2 Environmental aspects and impacts _____	19
7.3.3 Environmental performance evaluation _____	19
7.3.4 Compliance obligations _____	19
7.3.5 Scope _____	19
 Annexes	
A (informative) Knowledge for EMS auditing and certification _____	20
Bibliography _____	22

National Foreword

This Singapore Standard was prepared by the Working Group on Conformity Assessment (CASCO) under the direction of the Management Systems Standards Committee.

This standard is identical with ISO/IEC 17021-2 : 2016 published by the International Organization for Standardization.

Where appropriate, the words “International Standard” shall be read as “Singapore Standard”. The reference to International Standards shall be replaced by the following Singapore Standards:

International Standard	Corresponding Singapore Standard
ISO 14001	SS ISO 14001
ISO/IEC 17021-1	SS ISO/IEC 17021-1

Attention is 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

- 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.*
- 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.*
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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. In the field of conformity assessment, ISO and IEC develop joint ISO/IEC documents under the management of the ISO Committee on Conformity assessment (ISO/CASCO).

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).

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).

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: www.iso.org/iso/foreword.html.

ISO/IEC 17021-2 was prepared by Technical Committee ISO/TC 207, *Environmental management*, Subcommittee SC 2, *Environmental auditing and related environmental investigations*, and the ISO Committee on conformity assessment (CASCO). It was circulated for voting to the national bodies of both ISO and IEC, and was approved by both organizations.

This first edition of ISO/IEC 17021-2 cancels and replaces ISO/IEC/TS 17021-2:2012, which has been technically revised.

The following major changes have been made compared with ISO/IEC/TS 17021-2:2012:

- addition of the new requirements of ISO 14001:2015 which required additional competence to audit them;
- adaptation of the competence requirements to reflect the greater focus in ISO 14001:2015 on expected outcomes;

- clarification of the difference between sustainable development and sustainability;
- inclusion of competence criteria for the auditor to understand the context of the organization;
- inclusion of competence to audit the reliability of client communications about their EMS.

A list of all parts in the ISO/IEC 17021 series can be found on the ISO website.

Introduction

This document complements ISO/IEC 17021-1. In particular, it clarifies the requirements for the competence of personnel involved in the certification process set out in ISO/IEC 17021-1:2015, Annex A.

Certification bodies have a responsibility to interested parties, including their clients and the customers of the organizations whose management systems are certified, to ensure that only those auditors who demonstrate the relevant competence are allowed to conduct environmental management system (EMS) audits. All EMS auditors should possess the generic competencies described in ISO/IEC 17021-1 as well as the specific EMS knowledge described in this document.

Certification bodies will need to identify the specific audit team competence needed for the scope of each EMS audit. The selection of an EMS audit team will depend upon various factors, including the EMS technical area, the context of an organization, its environmental aspects and the site where these aspects occur.

The competence requirements for other personnel involved in certification activities are also described.

In this document, the following verbal forms are used:

- “shall” indicates a requirement;
- “should” indicates a recommendation;
- “may” indicates a permission;
- “can” indicates a possibility or a capability.

Further details can be found in the ISO/IEC Directives, Part 2.

For the purposes of research, users are encouraged to share their views on this document and their priorities for changes to future editions. Click on the link below to take part in the online survey:

<https://www.surveymonkey.com/r/D5PK2NV>

Conformity assessment — Requirements for bodies providing audit and certification of management systems

Part 2: Competence requirements for auditing and certification of environmental management systems

1 Scope

This document specifies additional competence requirements for personnel involved in the audit and certification process for environmental management systems (EMS) and complements the existing requirements of ISO/IEC 17021-1.

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/IEC 17021-1:2015, *Conformity assessment — Requirements for bodies providing audit and certification of management systems — Part 1: Requirements*