

MALAYSIAN STANDARD

MS ISO 22000:2018

Food safety management systems — Requirements for any organization in the food chain (First revision) (ISO 22000:2018, IDT) (Published by Standards Malaysia in 2020)

ICS: 67.020

Descriptors: food safety management system, food chain, requirements

© Copyright 2020 DEPARTMENT OF STANDARDS MALAYSIA

DEVELOPMENT OF MALAYSIAN STANDARDS

The **Department of Standards Malaysia (Standards Malaysia)** is the national standards and accreditation body of Malaysia.

The main function of Standards Malaysia is to foster and promote standards, standardisation and accreditation as a means of advancing the national economy, promoting industrial efficiency and development, benefiting the health and safety of the public, protecting the consumers, facilitating domestic and international trade and furthering international cooperation in relation to standards and standardisation.

Malaysian Standards (MS) are developed through consensus by committees which comprise balanced representation of producers, users, consumers and others with relevant interests, as may be appropriate to the subject at hand. To the greatest extent possible, Malaysian Standards are aligned to or are adoption of international standards. Approval of a standard as a Malaysian Standard is governed by the Standards of Malaysia Act 1996 [Act 549].

Malaysian Standards are reviewed periodically. The use of Malaysian Standards is voluntary except in so far as they are made mandatory by regulatory authorities by means of regulations, local by-laws or any other similar ways.

For the purposes of Malaysian Standards, the following definitions apply:

Revision: A process where existing Malaysian Standard is reviewed and updated which resulted in the publication of a new edition of the Malaysian Standard.

Confirmed MS: A Malaysian Standard that has been reviewed by the responsible committee and confirmed that its contents are current.

Amendment: A process where a provision(s) of existing Malaysian Standard is altered. The changes are indicated in an amendment page which is incorporated into the existing Malaysian Standard. Amendments can be of technical and/or editorial nature.

Technical corrigendum: A corrected reprint of the current edition which is issued to correct either a technical error or ambiguity in a Malaysian Standard inadvertently introduced either in drafting or in printing and which could lead to incorrect or unsafe application of the publication.

NOTE: Technical corrigenda are not to correct errors which can be assumed to have no consequences in the application of the MS, for example minor printing errors.

Department of Standards Malaysia

Ministry of International Trade and Industry Level 4-7, Tower 2, Menara Cyber Axis, Jalan Impact, Cyber 6, 63000 Cyberjaya, Selangor Darul Ehsan

Tel: +603- 8008 2900 Fax: +603- 8008 2901 http://www.jsm.gov.my

Email: central@jsm.gov.my

CONTENTS

_			Page			
		presentation				
Natior	al forew	/ord	iv			
Forew	ord		V			
Introd	uction		vi			
1	Scope		1			
2	Norma	tive references	1			
3	Terms	Terms and definitions				
4	Context of the organization					
	4.1					
	4.2	Understanding the needs and expectations of interested parties				
	4.3	Determining the scope of the food safety management system				
	4.4	Food safety management system				
5	Leader	rship				
	5.1	Leadership and commitment				
	5.2	Policy 5.2.1 Establishing the food safety policy				
		5.2.1 Establishing the food safety policy				
	5.3	Organizational roles, responsibilities and authorities				
6	Planning					
	6.1	Actions to address risks and opportunities				
	6.2	Objectives of the food safety management system and planning to achieve them				
	6.3	Planning of changes	12			
7	Suppo	vrt	13			
	7.1	Resources				
		7.1.1 General				
		7.1.2 People7.1.3 Infrastructure				
		7.1.4 Work environment				
		7.1.5 Externally developed elements of the food safety management system				
		7.1.6 Control of externally provided processes, products or services				
	7.2 7.3	Competence				
	7.3	Awareness Communication				
		7.4.1 General				
		7.4.2 External communication				
		7.4.3 Internal communication				
	7.5	Documented information				
		7.5.2 Creating and updating				
		7.5.3 Control of documented information				
8	Operat	tion	17			
•	8.1	Operational planning and control				
	8.2	Prerequisite programmes (PRPs)	17			
	8.3	Traceability system				
	8.4	Emergency preparedness and response				
		8.4.2 Handling of emergencies and incidents				
	8.5	Hazard control	19			
		8.5.1 Preliminary steps to enable hazard analysis	19			
		8.5.2 Hazard analysis				
		 8.5.3 Validation of control measure(s) and combinations of control measures 8.5.4 Hazard control plan (HACCP/OPRP plan) 				
	8.6	Updating the information specifying the PRPs and the hazard control plan				
			-			

MS ISO 22000:2018

	8.7	Control of monitoring and measuring	25	
	8.8	Verification related to PRPs and the hazard control plan	26	
		8.8.1 Verification	26	
		8.8.2 Analysis of results of verification activities	26	
	8.9	Control of product and process nonconformities	27	
		8.9.1 General		
		8.9.2 Corrections	27	
		8.9.3 Corrective actions		
		8.9.4 Handling of potentially unsafe products	28	
		8.9.5 Withdrawal/recall	29	
9	Performance evaluation			
0	9.1	Monitoring, measurement, analysis and evaluation		
		9.1.1 General		
		9.1.2 Analysis and evaluation		
	9.2	Internal audit		
	9.3	Management review		
		9.3.1 General	31	
		9.3.2 Management review input	31	
		9.3.3 Management review output		
10	Improvement			
	10.1	Nonconformity and corrective action		
	10.2	Continual improvement	32	
	10.3	Update of the food safety management system		
Annex	A (infor	mative) Cross references between the CODEX HACCP and this document	33	
Annex B (informative) Cross references between this document and ISO 22000:2005				
Bibliography				
Dibiliog	· up			

Committee representation

The National Standards Committee on Food, Food Products and Food Safety (NSC U) under whose authority this Malaysian Standard was developed, comprises representatives from the following organisations:

Food Safety & Quality Division, Ministry of Health (Chairperson) Department of Agriculture Malaysia Department of Chemistry, Malaysia Department of Islamic Development Malavsia Department of Standards Malaysia (Secretariat) Department of Veterinary Services Federal Agricultural Marketing Authority (FAMA) Federation of Malaysian Manufacturers Malaysian Agricultural Research and Development Institute Malaysian Association of Standards Users (MASU) Malaysian Institute of Food Technology (MIFT) Malaysian Palm Oil Board Ministry of Agriculture and Food Industries (Agricultural Section) Ministry of Agriculture and Food Industries (Crop Section) Ministry of Health Malaysia (Food Safety & Quality Division) Ministry of International Trade and Industry SME Corporation Malaysia Universiti Kebangsaan Malaysia Universiti Putra Malaysia

The Technical Committee on Food Safety System which recommended the adoption of the ISO Standard as Malaysian Standard consists of representatives from the following organisations:

Food Safety & Quality Division, Ministry of Health (Chairperson)

Department of Standards Malaysia (Secretariat)

Department of Fisheries Malaysia

Department of Veterinary Services Malaysia

Federal Agricultural Marketing Authority

Federation of Malaysian Manufacturers

Food Safety & Quality Division, Ministry of Health

Malaysian Association of Standards Users

Malaysian Agricultural Research and Development Institute (MARDI)

Malaysian Institute of Food Technology (MIFT)

Malaysian Palm Oil Board

SIRIM QAS

Universiti Kebangsaan Malaysia

Universiti Putra Malaysia

MS ISO 22000:2018

NATIONAL FOREWORD

The adoption of the ISO Standard as a Malaysian Standard was recommended by the Technical Committee on Food Safety System under the authority of the National Standards Committee on Food, Food Products and Food Safety.

This Malaysian Standard is the first revision of MS ISO 22000, *Food safety management systems* — *Requirements for any organization in the food chain.*

This Malaysian Standard is identical with ISO 22000:2018, *Food safety management systems* — *Requirements for any organization in the food chain*, published by the International Organization for Standardization (ISO). However, for the purposes of this Malaysian Standard, the following apply:

a) in the source text, "this International Standard" should read "this Malaysian Standard"; and

b) the comma which is used as a decimal sign (if any), to read as a point.

This Malaysian Standard cancels and replaces MS ISO 22000:2012. Compliance with a Malaysian Standard does not of itself confer immunity from legal obligations.

NOTE. IDT on the front cover indicates an identical standard i.e. a standard where the technical content, structure, wording (or is an identical translation) of a Malaysian Standard is exactly the same as in an International Standard or is identical in technical content and structure although it may contain the minimal editorial changes specified in Clause 4.2 of ISO/IEC Guide 21-1.

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 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.

This document was prepared by Technical Committee ISO/TC 34, *Food products*, Subcommittee SC 17, *Management systems for food safety*.

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 <u>www.iso.org/members.html</u>.

This second edition cancels and replaces the first edition (ISO 22000:2005), which has been technically revised through the adoption of a revised clause sequence. It also incorporates the Technical Corrigendum ISO 22000:2005/Cor.1:2006.

The following annexes are included to provide the users of this document with further information:

- Annex A: cross references between the CODEX HACCP principles and this document;
- <u>Annex B</u>: cross reference between this document and ISO 22000:2005.