



MALAYSIAN MS ISO/IEC TR 63306-2:2021 **STANDARD**

**Smart manufacturing standards map (SM2) –
Part 2: Catalogue
(ISO/IEC TR 63306-2:2021, IDT)
(Published by Department of Standards Malaysia
in 2024)**

ICS: 25.040.01; 25.060.01; 01.040.25

Descriptors: smart manufacturing, map

© Copyright 2024

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, benefitting 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. 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.

Malaysian Standards 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. The development of a standard as a Malaysian Standard is governed by the Standards of Malaysia Act 1996 [Act 549]. Section 18A of the act stipulated that, all Malaysian Standards are owned by the Government of Malaysia and no part of a Malaysian Standard can be reproduced in any form without the written permission of the Director General.

For further information on Malaysian Standards, please contact:

Department of Standards Malaysia
Level 4 – 7, Tower 2, Menara Cyber Axis
Jalan Impact, Cyber 6
63000 Cyberjaya
Selangor Darul Ehsan
MALAYSIA

Tel: 60 3 8008 2900
Fax: 60 3 8008 2901
<http://www.jsm.gov.my>
E-mail: central@jsm.gov.my

Committee representation

The National Standards Committee on Electrical and Electronic Equipment and Accessories (NSC 19) under whose authority this Malaysian Standard was adopted, comprises representatives from the following organisations:

Association of Consulting Engineers Malaysia
Department of Standards Malaysia (Secretariat)
Federation of Malaysian Consumers Association
Jabatan Kerja Raya Malaysia
Jabatan Tenaga Atom
Kementerian Perdagangan Dalam Negeri dan Kos Sara Hidup
Malaysian Cable Manufacturers Association
Malaysian Electrical Appliances and Distributors Association
Multimedia University
SIRIM QAS International Sdn Bhd
Suruhanjaya Komunikasi dan Multimedia Malaysia
Suruhanjaya Tenaga
The Electrical and Electronics Association of Malaysia
The Institution of Engineers, Malaysia
Universiti Teknologi Malaysia
Universiti Tenaga Nasional

The Technical Committee on Smart Manufacturing (NSC 19/TC 15) which recommended the adoption of the IEC standard as Malaysian Standard consists of representatives from the following organisations:

CyberSecurity Malaysia
Department of Standards Malaysia (Secretariat)
Federation of Malaysian Manufacturers
Federation of Malaysian Foundry and Engineering Industries Associations
International Society of Automation, Malaysia Section
Kementerian Sains, Teknologi dan Inovasi,
Malaysia Industry 4.0 Systems Integrator Association
Malaysia Industry Forward Association
Malaysian Industry-Government Group for High Technology
MIMOS Berhad
Perbadanan Produktiviti Malaysia
SIRIM Berhad
Suruhanjaya Komunikasi dan Multimedia Malaysia
The Electrical and Electronics Association of Malaysia
The Institution of Engineers, Malaysia
The IET Malaysia Network
Universiti Teknologi Malaysia

Co-opted

Malaysian Investment Development Authority

MS ISO/IEC TR 63306-2:2021

National foreword

The adoption of the IEC Standard as a Malaysian Standard was recommended by the The Technical Committee on Smart Manufacturing (NSC 19/TC 15) under the authority of the National Standards Committee on Electrical and Electronics Equipments and Accessories (NSC 19)

This Malaysian Standard is identical with ISO/IEC TR 63306-2:2021, *Smart manufacturing standards map (SM2) –Part 2: Catalogue* published by the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC). However, for the purposes of this Malaysian Standard, the following apply:

- a) in the source text, "this International Standard " should read "this Malaysian Standard";
- b) the comma which is used as a decimal sign (if any), to read as a point;
- c) the basis ISO/IEC TR 63306-2:2021 is printed in English and French. However, only the English version is retained in this Malaysian Standard; and

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, and 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 21-1:2005.