



MALAYSIAN STANDARD

MS ISO 6385:2020

**Ergonomics principles in the design of work
systems
(ISO 6385:2016, IDT)
(First revision)**

ICS: 13.180

Descriptors: ergonomics, principles, design, work systems

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Committee representation

The National Standards Committee on Occupational Safety and Health (NSC W) under whose authority this Malaysian Standard was adopted, comprises representatives from the following organisations:

Business Council for Sustainability & Responsibility Malaysia
Chemical Industries Council of Malaysia
Construction Industry Development Board Malaysia
Department of Agriculture Malaysia
Department of Chemistry, Malaysia
Department of Environment
Department of Occupational Safety and Health Malaysia
Department of Standards Malaysia (Secretariat)
Energy Commission
Federation of Malaysian Manufacturers
Fire and Rescue Department Malaysia
Lloyd's Register Technical Services Sdn Bhd
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Malaysian International Chamber of Commerce and Industry
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Malaysian Society for Occupational Safety and Health
Malaysian Trades Union Congress
Minerals and Geoscience Department Malaysia
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SIRIM QAS International Sdn Bhd
SME Corporation Malaysia
The Institution of Engineers, Malaysia
Universiti Kebangsaan Malaysia
Universiti Teknologi MARA

The Technical Committee on Ergonomics recommended the adoption of the ISO Standard as Malaysian Standard consists of representatives from the following organisations:

Department of Occupational Safety and Health Malaysia
Department of Standards Malaysia (Secretariat)
Environmental Research Associates Sdn Bhd
Federation of Malaysian Manufactures
Fire and Rescue Department Malaysia
Forest Research Institute Malaysia
Malaysian Employers Federation
Ministry of Health Malaysia
Malaysian Society for Occupational Safety & Health
Malaysian Timber Industry Board
Malaysian Trades Union Congress
National Institute of Occupational Safety and Health
The Institution of Engineers, Malaysia
Universiti Kebangsaan Malaysia
Universiti Malaya
Universiti Putra Malaysia
Universiti Sains Malaysia

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National foreword

This Malaysian Standard was developed by the Technical Committee on Ergonomics under the authority of the Occupational Health and Safety National Standards Committee.

This Malaysian Standard is identical with ISO 6385:2016, *Ergonomic principles in design of work systems*, 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”;
- b) the comma which is used as a decimal sign (if any), to read as a point; and

This Malaysian Standard cancels and replaces MS ISO 6385:2005, *Ergonomic principles in design of work systems*.

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 and presentation of a Malaysian Standard is exactly the same as in an International Standard or is identical in technical content and it may contain the minimal editorial changes specified in clause 4.2 of ISO/IEC Guide 21.

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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 WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#).

The committee responsible for this document is ISO/TC 159, *Ergonomics*, Subcommittee SC 1, *General ergonomic principles*.

This third edition cancels and replaces the second edition (ISO 6385:2004), which has been technically revised with the following changes:

- terms were aligned with the terms given in ISO 26000;
- [3.2](#), [3.7](#) and [Clause 4](#) have been technically revised;
- life cycle of a work system was introduced in [3.2](#);
- principle of adjustment was added to [3.7](#) and validation replaced by verification;
- new subclause on conformity was added to [Clause 4](#);
- examples were added in several clauses.