MALAYSIAN STANDARD

MS ISO 11079:2008
(CONFIRMED:2013)

Ergonomics of the thermal environment - Determination and interpretation of cold stress when using required clothing insulation (IREQ) and local cooling effects (ISO 11079:2007, IDT)

ICS: 13.180

Descriptors: thermal environment, cold stress, IREQ, cooling effects

NOTE. This MS has been reviewed by the responsible committee and confirmed that its contents are current

DEPARTMENT OF STANDARDS MALAYSIA

DEVELOPMENT OF MALAYSIAN STANDARDS

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Committee representation

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

Business Council for Sustainable Development Malaysia
Chemical Industries Council of Malaysia
Department of Chemistry, Malaysia
Department of Environment, Malaysia
Department of Occupational Safety and Health Malaysia
Department of Standards Malaysia
Federation of Malaysian Manufacturers
Jabatan Bomba dan Penyelamat Malaysia
Jabatan Pertanian
Kongres Kesatuan Sekerja Malaysia
Lembaga Pembangunan Industri Pembinaan Malaysia
Lloyd's Register Technical Services Sdn Bhd
Malaysian Employer Federation
Malaysian Industrial Hygiene Association
Malaysian International Chamber of Commerce and Industry
Malaysian Nuclear Agency
Malaysian Society of Occupational Safety & Health
Minerals and Geoscience Department Malaysia
Ministry of Health Malaysia
Ministry of International Trade and Industry
National Institute of Occupational Safety and Health
SIRIM Berhad
Small and Medium Industries Development Corporation
Suruhanjaya Tenaga
The Institution of Engineers, Malaysia
Universiti Kebangsaan Malaysia

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

3M Malaysian Sdn Bhd
Department of Occupational Safety and Health Malaysia
Federation of Malaysian Manufacturers
Forest Research Institute Malaysia
Jabatan Bomba dan Penyelamat Malaysia
Kongres Kesatuan Sekerja Malaysia
Malaysian Employer Federation
Malaysian Society of Occupational Safety & Health
Malaysian Timber Industry Board
Nagasteel Equipment Sdn Bhd
National Institute of Occupational Safety and Health
Persatuan Pengguna Pulau Pinang
The Institution of Engineers, Malaysia
Universiti Kebangsaan Malaysia
Universiti Sains Malaysia

NATIONAL FOREWORD

The adoption of the ISO Standard as a Malaysian Standard was recommended by the Technical Committee on Ergonomics under the authority of the Industry Standards Committee on Occupational Health and Safety.

This Malaysian Standard is identical with ISO 11079:2007, *Ergonomics of the thermal environment - Determination and interpretation of cold stress when using required clothing insulation (IREQ) and local cooling effects*, 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.

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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 11079 was prepared by Technical Committee ISO/TC 159, *Ergonomics*, Subcommittee SC 5, *Ergonomics of the physical environment*.

This first edition of ISO 11079 cancels and replaces the ISO/TR 11079:1993, of which it constitutes a technical revision.