

First edition  
2004-08-01

---

---

## **Ergonomics of the thermal environment — Risk assessment strategy for the prevention of stress or discomfort in thermal working conditions**

*Ergonomie des ambiances thermiques — Stratégie d'évaluation du  
risque pour la prévention de contraintes ou d'inconfort dans des  
conditions de travail thermiques*



Reference number  
ISO 15265:2004(E)

© ISO 2004

This is a preview of "ISO 15265:2004". [Click here to purchase the full version from the ANSI store.](#)

**PDF disclaimer**

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

© ISO 2004

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Published in Switzerland

This is a preview of "ISO 15265:2004". [Click here to purchase the full version from the ANSI store.](#)

## Contents

Page

Foreword .....	iv
Introduction .....	v
1 Scope .....	1
2 Normative references .....	1
3 Philosophy of the strategy .....	2
4 Stage 1: “ <i>Observation</i> ” .....	3
4.1 Objectives .....	3
4.2 Procedure .....	3
5 Stage 2: “ <i>Analysis</i> ” .....	6
5.1 Objectives .....	6
5.2 Procedure .....	6
6 Stage 3: “ <i>Expertise</i> ” .....	9
6.1 Objectives .....	9
6.2 Procedure .....	9
Annex A (informative) Examples of prevention measures .....	11
Bibliography .....	13

## 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 15265 was prepared by Technical Committee ISO/TC 159, *Ergonomics*, Subcommittee SC 5, *Ergonomics of the physical environment*.

This is a preview of "ISO 15265:2004". [Click here to purchase the full version from the ANSI store.](#)

## Introduction

This International Standard is one of a series intended for use in the estimation of the thermal environment. It was developed by ISO/TC 159/SC 5/WG 1, *Thermal environments* on the basis of the results of the BIOMED II "HEAT STRESS" research project conducted with the support of the European Union.

Other standards of this series describe how the parameters influencing human thermoregulation in a given environment must be estimated or quantified. Others specify how these parameters must be integrated in order to predict the degree of discomfort or the health risk in these environments. The present document was prepared to standardize the methods that occupational health specialists should use to approach a given problem related to stress and discomfort in thermal working conditions and progressively collect the information needed to control or prevent the problem.