

Ergonomics of the thermal environment — Application of international standards to people with special requirements

ICS 13.180

National foreword

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According to the replies received by the end of the review period, the responsible BSI Committee will decide whether to support the conversion into an international standard, to extend the life of the Technical Specification for another 3 years or to withdraw it. Comments should be sent in writing to the Secretary of BSI Subcommittee PH/9/1, Thermal environments, at British Standards House, 389 Chiswick High Road, London W4 4AL, giving the document reference and clause number and proposing, where possible, an appropriate revision of the text.

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Summary of pages

This document comprises a front cover, an inside front cover, the ISO/TS title page, pages ii to iv, pages 1 to 10, an inside back cover and a back cover.

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Ergonomics of the thermal environment — Application of International Standards to people with special requirements

*Ergonomie de l'environnement thermique — Application des Normes
internationales aux personnes ayant des exigences particulières*



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Foreword

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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.

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ISO/TS 14415 was prepared by Technical Committee ISO/TC 159, *Ergonomics*, Subcommittee SC 5, *Ergonomics of the physical environment*.

Introduction

This Technical Specification is a supplementary document to International Standards which specify methods for measuring and evaluating hot, cold or moderate thermal environments (see Clause 2). It provides the necessary considerations and underlying principles for the application of each of those International Standards to the assessment of thermal environments for the disabled, the aged and other persons with special requirements.

In working towards the ideal of “Full Participation and Equality” declared for the International Year for Disabled People, in 1981, a considerable number of disabled persons having various types of disabilities are now integrated into workplaces.

Ergonomics is not only applicable to workplaces but also to other human physical situations, such as those in the home, during transportation and at leisure, in which a wide variety of persons have special ergonomic requirements due to disability, age, pregnancy or sickness. Many such persons have additional thermal requirements which must be considered when measuring and evaluating the thermal environment. However, thermal effects differ widely between individuals with disabilities.