



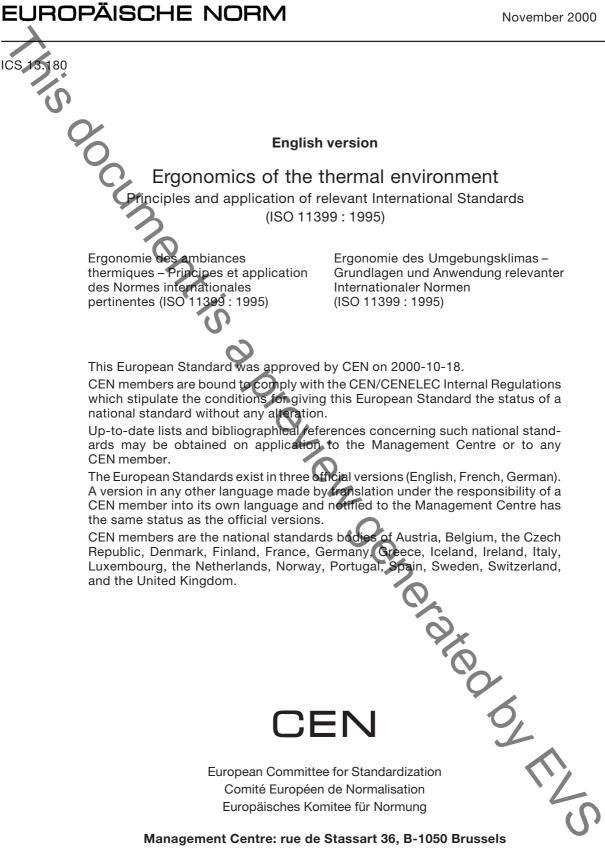
EESTI STANDARDI EESSÕNA NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN ISO 11399:2001 sisaldab Euroopa standardi EN ISO 11399:2000 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 11399:2001 consists of the English text of the European standard EN ISO 11399:2000.			
Käesolev dokument on jõustatud 04.04.2001 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.	This document is endorsed on 04.04.2001 with the notification being published in the official publication of the Estonian national standardisation organisation.			
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.			
Käsitlusala: The purpose of this International Standard is to specify information which will allow the correct, effective and practical use of International Standards concerned with the ergonomics of the thermal environment.	Scope: The purpose of this International Standard is to specify information which will allow the correct, effective and practical use of International Standards concerned with the ergonomics of the thermal environment.			
ICS 13.180 Võtmesõnad: environments, ergonomics,				
standards, temperature, thermal comfort, thermal environments, workplaces				

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EN ISO 11399

November 2000



EUROPEAN STANDARD

NORME EUROPÉENNE

Foreword

International Standard

ISO 11399 : 1995 Ergonomics of the thermal environment – Principles and application of relevant International Standards,

which was prepared by ISO/TC 159 'Ergonomics' of the International Organization for Standardization, has been adopted by Technical Committee CEN/TC 122 'Ergonomics', the Secretariat of which is held by DIN, as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by May 2001 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard:

Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 11399 : 1995 was approved by CEN as a European Standard without dar. any modification.

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Introduction

This International Standard is one of a series of standards which specify methods of measuring and evaluating hot, moderate or cold thermal environments. It provides the underlying principles behind the assessment of human response to thermal environments in general and, in particular, those used in the development of each International Standard. It also demonstrates the relationships between the standards and how they can be used in a complementary way to evaluate the whole range of thermal environments.



The purpose of this International Standard is to specify information which will allow the correct, effective and practical use of international Standards concerned with the ergonomics of the thermal environment.

This includes:

Scope

1

- a) a description of each relevant International Standard and the complementary way in which these standards can be used in the ergonomic assessment of thermal environments;
- a description of the underlying principles used a each relevant International Standard;
- c) a description of the underlying principles concerning the ergonomics of the thermal environment.

This International Standard applies to the application of those International Standards listed in clause 2. These standards cover thermal environments over the whole range of ergonomics investigation.

The information provided in this International Standard is not sufficient for the assessment of thermal environments. For that purpose, the appropriate International Standard should be used (see clause 2).

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 7243:1989, Hot environments — Estimation of the heat stress on working man, based on the WBGT-index (wet bulb globe temperature).

ISO 7726:1985, Thermal environments — Instruments and methods for measuring physical quantities.

ISO 7730:1994, Moderate thermal environments — Determination of the PMV and PPD indices and specification of the conditions for thermal comfort.

180 7933:1989, Hot environments — Analytical determination and interpretation of thermal stress using calculation of required sweat rate.

ISO 8996:1990, Ergonomics — Determination of metabolic heat production.

ISO 9886:1992, Evaluation of thermal strain by physiological measurements.

ISO 9920:1995, Ergonomics of the thermal environment — Estimation of the thermal insulation and evaporative resistance of a clothing ensemble.

ISO 10551:1995, Ergonomics of the thermal environment — Assessment of the influence of the thermal environment using subjective judgement scales.

ISO/TR 11079:1993, Evaluation of cold environments — Determination of requisite dothing insulation (IREC).