
**Ergonomics of human-system
interaction —**

Part 500:

**Ergonomic principles for the design
and evaluation of environments of
interactive systems**

Ergonomie de l'interaction homme-système —

*Partie 500: Principes ergonomiques pour la conception et l'évaluation
d'environnements des systèmes interactifs*

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

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Foreword

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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).

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This document was prepared by Technical Committee ISO/TC 159, *Ergonomics*, Subcommittee SC 4, *Ergonomics of human-system interaction*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

A list of all parts in the ISO 9241 series can be found on the ISO website.

Introduction

This document introduces basic ergonomic principles for the design of environments for interactive systems.

This document deals with the physical environment in which a user can be assigned one or more spatial environments to accomplish a task. The entirety of the spatial environments assigned to a user is called environment.

The use of interactive systems takes place within a physical environment the design of which is decisive for a successful outcome. According to the system concept of ISO 26800, the physical environment is embedded in an organizational, a social and a cultural environment.

These principles can be applied to a variety of environments including dedicated environment, activity based environment and mobile environment. Further guidance on application to these environments is provided in other specific standards in the ISO 9241-500 series. Relevant physical attributes of the environment include issues such as furniture, spatial layout, equipment, air quality, thermal conditions, lighting, and noise.

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