

**DIN EN ISO 9241-400****DIN**

ICS 13.180; 35.180

Partially supersedes  
DIN EN ISO 9241-4:1999-01,  
DIN EN ISO 9241-4  
Corrigendum 1:2002-06 and  
DIN EN ISO 9241-9:2002-03

**Ergonomics of human-system interaction –  
Part 400: Principles and requirements for physical input devices  
(ISO 9241-400:2007)  
English version of DIN EN ISO 9241-400:2007-05**

Ergonomie der Mensch-System-Interaktion –  
Teil 400: Grundsätze und Anforderungen für physikalische Eingabegeräte  
(ISO 9241-400:2007)  
Englische Fassung DIN EN ISO 9241-400:2007-05

Document comprises 44 pages

## National foreword

This standard has been prepared by Technical Committee ISO/TC 159/WG 3 "Controls, workplace and environmental requirements" of ISO/TC 159 "Ergonomics" in collaboration with Technical Committee CEN/TC 122 "Ergonomics" (Secretariat: DIN, Germany).

The responsible German body involved in its preparation was the *Normenausschuss Ergonomie* (Ergonomics Standards Committee), Technical Committee NA 023-00-04 GA *Gemeinschaftsausschuss NAErg/NI: Ergonomie für Informationsverarbeitungssysteme*.

The DIN Standards corresponding to the International Standards referred to in the EN are as follows:

ISO 6385	DIN EN ISO 6385
ISO 9241-5	DIN EN ISO 9241-5
ISO 9241-11	DIN EN ISO 9241-11
ISO 13406-2	DIN EN ISO 13406-2

## Amendments

This standard differs from DIN EN ISO 9241-4:1999-01, DIN EN ISO 9241-4 Corrigendum 1:2002-06 and DIN EN ISO 9241-9:2002-03 as follows:

- a) The standards have been combined and completely restructured. Instead of two standards on keyboards and other input devices, there is now a series (the 400 sub-series of the ISO 9241 series) covering the generic principles behind all input devices while the recommendations and requirements of relevance to manufacturers, designers and users are dealt with in separate standards.
- b) Methods for checking products are dealt in separate documents for the two target groups manufacturers and users, thus enabling them to be updated more frequently.
- c) The new standards series is based on the concept of usability. According to this concept a product does not need to meet specific requirements. Instead, the standards identify relevant product characteristics and categorize levels. The level a product should reach depends on the context in which it is used, the context being, for the manufacturer, the intended use and, for the user, the actual use for which the product was selected.
- d) All terminology and principles from Parts 4 and 9 have been adopted and unified to fit in with the scope of the new series.

## Previous editions

DIN EN ISO 9241-4: 1999-01  
DIN EN ISO 9241-4 Corrigendum 1: 2002-06  
DIN EN ISO 9241-9: 2002-03

**National Annex NA**  
(informative)

**Bibliography**

DIN EN ISO 6385, *Ergonomic principles in the design of work systems*

DIN EN ISO 9241-5, *Ergonomic requirements for office work with visual display terminals (VDTs) — Part 5: Workstation layout and postural requirements*

DIN EN ISO 9241-11, *Ergonomic requirements for office work with visual display terminals (VDTs) — Part 11: Guidance on usability*

DIN EN ISO 13406-2, *Ergonomic requirements for work with visual displays based on flat panels — Part 2: Ergonomic requirements for flat panel displays*