

<b>STN</b>	<b>Ergonómia</b> <b>Interakcia človek-systém</b> <b>Časť 20: Ergonomický prístup k dostupnosti v</b> <b>rámci súboru ISO 9241 (ISO 9241-20: 2021)</b>	<b>STN</b> <b>EN ISO 9241-20</b>  83 3580
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Ergonomics of human-system interaction - Part 20: An ergonomic approach to accessibility within the ISO 9241 series (ISO 9241-20:2021)

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 04/22

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## Ergonomics of human-system interaction - Part 20: An ergonomic approach to accessibility within the ISO 9241 series (ISO 9241-20:2021)

Ergonomie de l'interaction homme-système - Partie 20  
: Approche ergonomique de l'accessibilité dans la série  
ISO 9241 (ISO 9241-20:2021)

Ergonomie der Mensch-System-Interaktion - Teil 20:  
Ein ergonomischer Ansatz für die Barrierefreiheit  
innerhalb der ISO 9241-Reihe (ISO 9241-20:2021)

This European Standard was approved by CEN on 25 October 2021.

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**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

**EN ISO 9241-20:2021 (E)**

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## **European foreword**

This document (EN ISO 9241-20:2021) has been prepared by Technical Committee ISO/TC 159 "Ergonomics" in collaboration with Technical Committee CEN/TC 122 "Ergonomics" the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2022, and conflicting national standards shall be withdrawn at the latest by June 2022.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 9241-20:2009.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

## **Endorsement notice**

The text of ISO 9241-20:2021 has been approved by CEN as EN ISO 9241-20:2021 without any modification.

**INTERNATIONAL  
STANDARD**

**ISO  
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**Ergonomics of human-system  
interaction —**

**Part 20:  
An ergonomic approach to  
accessibility within the ISO 9241  
series**

*Ergonomie de l'interaction homme-système —*

*Partie 20: Approche ergonomique de l'accessibilité dans la série ISO  
9241*



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## ISO 9241-20:2021(E)

### 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.

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](http://www.iso.org/directives)).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 159, *Ergonomics*, Subcommittee SC 4, *Ergonomics of human-system interaction*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 122, *Ergonomics*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 9241-20:2008), which has been technically revised.

The main changes are as follows:

- The guidance in the previous edition has been replaced by references to many different standards that now contain applicable guidance.

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

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](http://www.iso.org/members.html).

## **Introduction**

The ISO 9241 series provides ergonomic guidance that contributes to the accessibility of interactive systems to meet the needs of users.

Two parts of ISO 9241 particularly address accessibility: ISO 9241-171 and ISO 9241-971. In addition, a number of parts in the ISO 9241 series integrate guidance supporting accessibility.

Accessibility in the design of products, systems and services is important to ensure that they are usable by the widest possible range of users. Designed solutions that support accessibility result from the understanding and implementation of user requirements, including those user requirements specific to accessibility.

Ergonomic principles and human-centred design activities contained in the ISO 9241 series provide a basis for identifying user accessibility needs and deriving user requirements specific to accessibility.

This document identifies standards within the ISO 9241 series and in other related standards that contain guidance related to accessibility.



# **Ergonomics of human-system interaction —**

## **Part 20:**

# **An ergonomic approach to accessibility within the ISO 9241 series**

## **1 Scope**

This document provides:

- a) an introduction to the importance of accessibility to human-system interaction;
- b) a discussion of the relationship of principles within the ISO 9241 series and accessibility;
- c) descriptions of activities related to the processes in ISO 9241-210 that focus on accessibility;
- d) references to standards relevant to the accessibility of interactive systems.

## **2 Normative references**

There are no normative references in this document.

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**