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Information technology — User interface accessibility —

Part 3: Requirements and recommendations on user needs mapping

Technologies de l'information — Accessibilité de l'interface utilisateur —

Partie 3: Exigences et recommandations relatives au mappage des besoins de l'usager

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Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work.

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 document 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 or www.iec.ch/members_experts/refdocs).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC 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) or the IEC list of patent declarations received (see https://patents.iec.ch).

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. In the IEC, see www.iec.ch/understanding-standards.

This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 35, *User interfaces*.

This first edition of ISO/IEC 29138-3 cancels and replaces ISO/IEC TR 29138-3:2009.

The main changes are as follows:

— The document has been renamed to fit into the revised ISO/IEC 29138 series;

— The document has been revised from being a Technical Report to an International Standard by the addition of requirements and recommendations;

— A second format for the mapping has been added.

A list of all parts in the ISO/IEC 29138 series can be found on the ISO and IEC websites.

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 and www.iec.ch/national-committees.

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Introduction

The user accessibility needs specified in ISO/IEC 29138-1 can be mapped to existing and developing standards to identify for which user accessibility needs the standard provides guidance. Mappings, as specified in this document, can help standards developers to consider the potential for addressing particular needs in their standards. Mappings can be included as informative annexes within standards to help developers to find guidance in addressing particular user accessibility needs within the standard. Compilations of mappings can help developers to identify standards containing guidance addressing particular user accessibility needs.

Some standards cover limited domains, and in such cases, some user accessibility needs do not apply. For example, visual accessibility needs are generally not relevant to standards addressing the ability to exert force. Standardization organizations can selectively use the set of user accessibility needs for their own purposes.

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Information technology — User interface accessibility —

Part 3: Requirements and recommendations on user needs mapping

1 Scope

This document provides guidance on the mapping of a set of user accessibility needs with the provisions of a particular standard, technical report, or set of guidelines. It provides both basic guidance that should be used for all user accessibility needs mapping and optional guidance that may be added to the basic guidance.

User accessibility needs mapping is intended to help improve accessibility for all users and, in particular, for users with special needs that can be overlooked. User accessibility needs mapping is not intended to be used to evaluate or certify a given standard or set of guidelines.

2 Normative reference

ISO/IEC 29138-1:2018,[1)] *Information technology — User interface accessibility — Part 1: User accessibility needs*

3 Terms and definitions

For the purposes of this document, the terms and definitions in ISO 29138-1 apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

4 Benefits of user accessibility needs mapping

User accessibility needs mapping benefits standards developers and developers of style guides by:

— alerting them to the range of user accessibility needs,

— helping them to identify the user accessibility needs dealt with by their standards,

— helping them to identify standards materials that address particular user accessibility needs, where mappings exist for these other standards,

— helping them to identify where additional guidance can be added to their standards to deal with further user accessibility needs.

User accessibility needs mapping benefits end users by encouraging their needs to be considered by standards (and similar documents) and the developer's products and services who apply these standards (and similar documents).

1) The electronic version of this document can be downloaded from the ISO/IEC Information Technology Task Force (ITTF) web site: https://standards.iso.org/ittf/PubliclyAvailableStandards/

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