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Part 41: Design and use of pictograms, photos, and icons in augmentative and alternative communication (AAC)

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

Partie 41: Conception et utilisation de pictogrammes, de photos et d'icônes en communication alternative et améliorée (CAA)

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Foreword

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Introduction

Augmentative and alternative communication (AAC) makes use of pictograms and other alternate forms of communication to serve a variety of users not able to fully use available spoken or written language.

Pictograms, like early forms of writing in some natural languages, provide graphic representations of words for communication with persons who cannot speak or use the written form of some natural language.

A set of pictograms provides the vocabulary to be used in a graphical language. There are requirements and recommendations relating to the design and use of individual pictograms and sets of pictograms.

Photographs provide realistic visual representations of particular people, things, and locations. Photos can be used to supplement a set of pictograms. There are requirements and recommendations relating to the purpose, structuring, and use of photos to supplement a set of pictograms.

Icons provide control over the functions of a computer system or some application within a computer system. Icons used by an AAC can come from the computer's operating system or from the AAC itself. There are requirements and recommendations relating to the consistent use of icons within AAC and relating to the differentiation between icons and pictograms.

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Information technology — User interface component accessibility —

Part 41: Design and use of pictograms, photos, and icons in augmentative and alternative communication (AAC)

1 Scope

This document provides requirements and recommendations for the design and use of pictograms, photos, and icons in augmentative and alternative communication (AAC) in the information and communication technology (ICT) domain.

This document recognizes that AAC can be delivered on various sized devices including computer displays, tablets, and smart phones. It applies to pictograms, photos, and icons that can be used on a range of devices. It is not specific to particular devices or the particular software used.

This document focuses on the needs of those users who cannot use a natural language in written or spoken form to communicate with a peer group or the community as a whole. In facilitating communication with those other people, it also serves them.

2 Normative References

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC TS 20071-40, *Information technology — User interface component accessibility — Part 40: Augmentative and alternative communication (AAC)*

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Bibliography

[1] ISO/IEC 11581-10, *Information technology — User interface icons — Part 10: Framework and general guidance*

[2] ISO 19027, *Design principles for communication support board using pictorial symbols*

[3] ISO/IEC 20071-11, *Information technology — User interface component accessibility — Part 11: Guidance on text alternatives for images*

[5] ISO/IEC/TR 20071-42, *Information technology — User interface component accessibility — Part 42: A basic set of pictograms*

[6] ISO/IEC 22121-3, *Information technology — Virtual keyboards user interfaces — Part 3: Virtual keyboards interactions*

[7] W3C Web Content Accessibility Guidelines (WCAG) 2.2

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