

ISO/IEC 29138-1:2018 (E)

Information technology — User interface accessibility — Part 1: User accessibility needs

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6.2	Details of the needs related to conformity with user expectations
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6.2.2	To apply personal knowledge and experience to interact successfully with the system
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6.3.1	To be provided with (and to choose) the way of interacting with a system that best works for them (including activating and deactivating built-in accessibility features)
6.3.2	To choose between the available input/output modalities and their configuration without requiring restart of the system
6.3.3	To have simultaneous use of alternate interaction modalities

- 6.3.4 To be provided with information on available options for interacting with a system on which to base a choice of interaction methods
- 6.3.5 To be provided an accessible means to choose individualization features
- 6.3.6 To have individualization features maintained for future uses of the system, until changed by the user
- 6.3.7 To have the system use complete standardized sets of needs or preferences from specific standards
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 - 6.5.7 To have tactile information available in other modalities
 - 6.5.8 To experience information via multiple simultaneous modalities
 - 6.5.9 To have presentation attributes of a modality that match an individual's needs
 - 6.5.10 To have presentation attributes specific to the visual modality that match an individual's needs
 - 6.5.11 To have manageable textual material
 - 6.5.12 To have sign language perceivable
 - 6.5.13 To have 3-dimensional visual information presented using only two dimensions
 - 6.5.14 To have presentation attributes specific to the auditory modality that match an individual's needs
 - 6.5.15 To select/deselect different audio streams
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 - 6.5.18 To distinguish among the different components of information that are being presented
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 - 6.5.25 To perceive information regardless of environmental or other conditions that might interfere
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 - 6.5.27 To avoid distractions that prevent focusing on a task
 - 6.5.28 To have accessibility features not interfere with perception of standard information
 - 6.5.29 To have only the content necessary for the current task presented
 - 6.5.30 To have haptic input and output from devices not interfere with the perception of information
 - 6.5.31 To not have one's senses overloaded
 - 6.5.32 To have attention drawn to critically important information in the appropriate modality, form, and language
- 6.6 Details of the needs related to understandability
 - 6.6.1 To obtain information on the system and its components and functionalities

- 6.6.2 To get an overview and to orient themselves to the system and its functions/ components (independent of actual use)
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- 6.7.4 To use sound as a source of inputs
- 6.7.5 To use visual recognition as a source of inputs
- 6.7.6 To control attributes of an input or interaction modality to match an individual's needs
- 6.7.7 To have acceptable input or interaction attributes specific to the tactile modality
- 6.7.8 To have acceptable input or interaction attributes specific to the auditory modality
- 6.7.9 To have acceptable input or interaction attributes specific to the visual modality
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- 6.7.11 To use a specific interaction method to provide inputs to the system
- 6.7.12 To perform the task using specific types of action
- 6.7.13 To have a means of shifting the input focus from one interface component to another interface component
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- 6.7.16 To interact with the system at one's own pace
- 6.7.17 To have a method to fully operate the system that does not require direct body contact
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Annex A (informative) List of user accessibility needs

Annex B (informative) List of user needs and instances

Annex C (informative) Mapping of ISO/IEC TR 29138-1:2009 to this set of user needs

Annex D (informative) Applying needs to specific purposes

- D.1 Applying needs to the development of ICT products and services
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