

ISO/IEC JTC 1 Special Working Group on Accessibility (SWG-A)

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Document

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Presentation on Recent Progress of Accessibility-Related Activities in ISO/TC 159 to the September 2006 SWG-A Meeting

Source:

Dr. Kenji Kurakata (ISO/TC 159/WG 2 Secretary) and Dr. Ken Sagawa (ISO/TC 159/WG 2 Convener)


Requested Action:

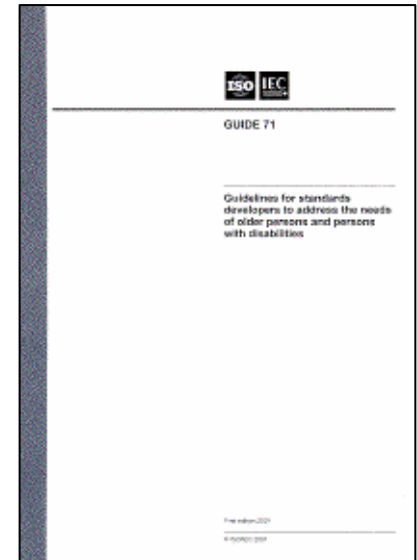
For consideration at the September 2006 SWG-A meeting.

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Recent progress of accessibility-related activities in ISO/TC 159

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Topics



- ◆ Drafting work of ISO/TR 22411 in TC 159/WG 2
 - ◆ Outline of the draft TR
 - ◆ Recent progress and future works
 - ◆ Submitting for voting

- ◆ New strategy of TC 159 for promoting liaison works on accessibility standards
 - ◆ Liaison with TCs/SCs in/outside TC 159
 - ◆ Assignment of a liaison chief of accessible design
 - ◆ Establishment of an advisory group (?)

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What is ISO/IEC Guide 71?



◆ “Guidelines for standard developers to address the needs of older persons and persons with disabilities”

◆ Published in Nov. 2001

◆ Provides guidance to standard developers on how to take into account the needs of older persons and persons with disabilities when they write or revise relevant standards

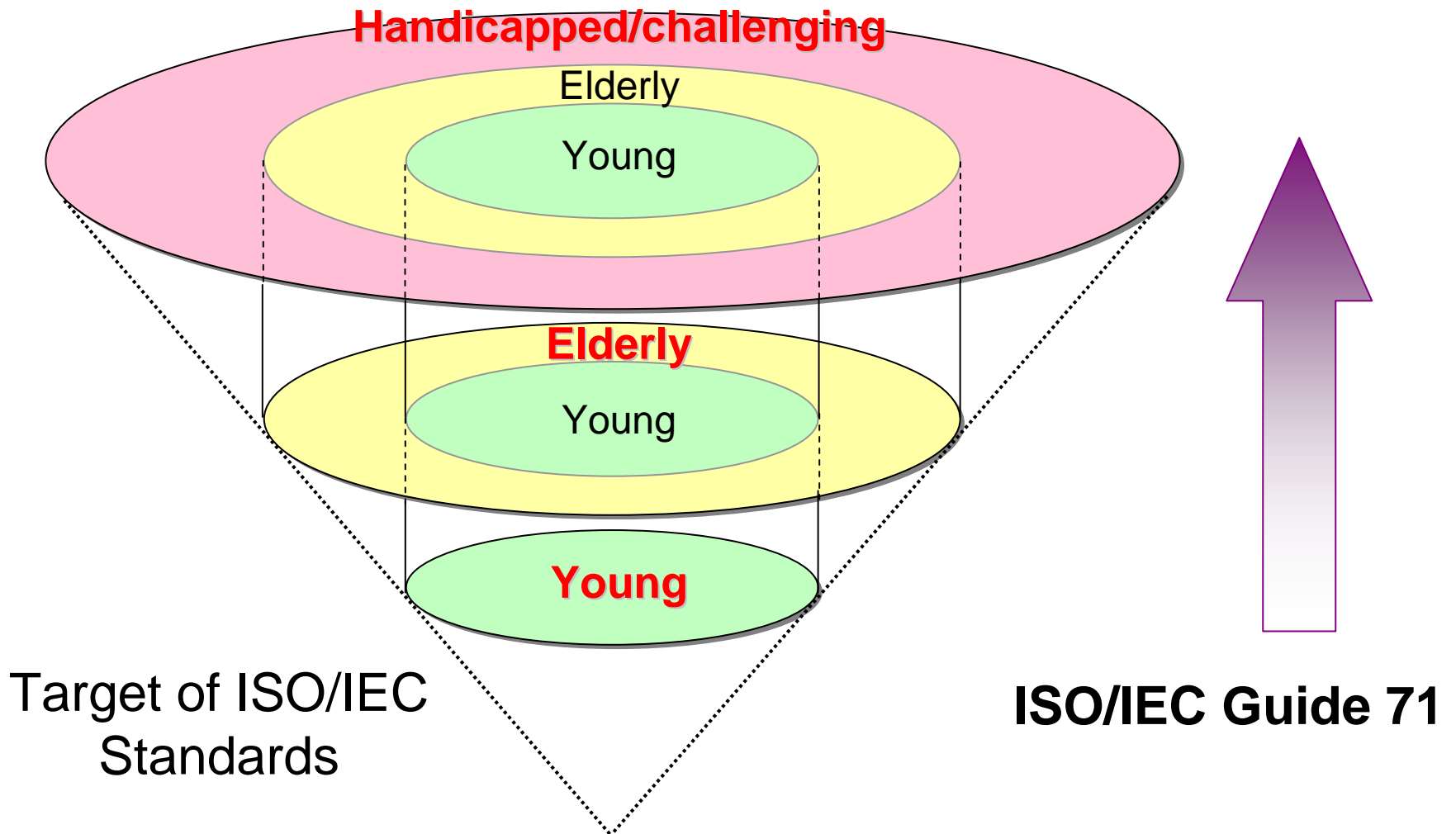


◆ Adopted as domestic or regional guides and standards

◆ e.g., CEN/CENELEC Guide 6 and JIS Z 8071



Objective of Guide 71



Structure of Guide 71



◆ 7 fields of products and services

- ◆ (1) information, (2) packaging, (3) materials, (4) installation, (5) user interface, (6) maintenance/storage/disposal, and (7) built environment (buildings)

◆ 4 human abilities

- ◆ (1) Sensory: seeing, hearing, touch, taste/smell, and balance
- ◆ (2) Physical: dexterity, manipulation, movement, strength, etc.
- ◆ (3) Cognitive: intellect/memory and language/literacy
- ◆ (4) Allergy: contact/food/respiratory



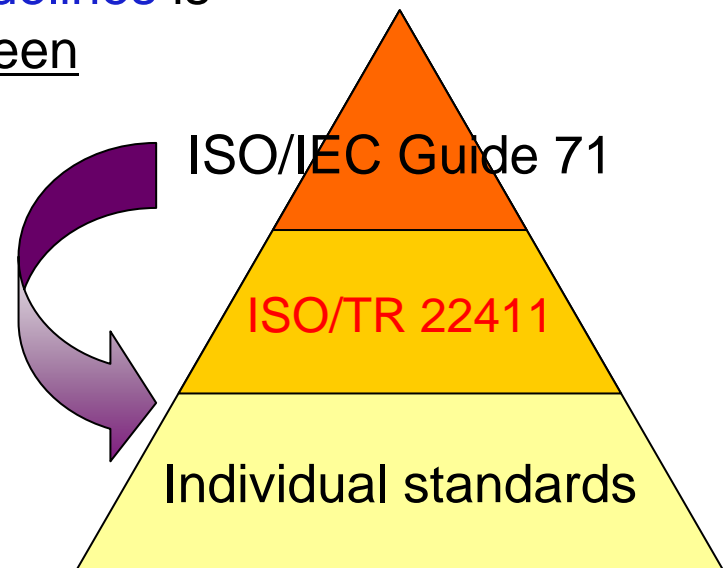
- ◆ Factors to consider in drafting/revising standards are summarized in 7 tables, one for each application field above

Problems of Guide 71

- ◆ Guide 71 is merely a general guidance:
 - ◆ “... should be considered”; but “how?”
- ◆ Factors and solution examples are not exhaustive



- ◆ Another document of **technical guidelines** is necessary that bridges the gap between Guide 71 and individual standards



ISO/TR 22411 Guide 71 technical guidelines



◆ Title:

“Ergonomic data and ergonomic guidelines for the application of ISO/IEC Guide 71 to products and services to address the needs of older persons and persons with disabilities”

- ◆ translates the concept of Guide 71 into ergonomic guidelines,
- ◆ by making use of reference data of various human abilities



ISO/TC159/WG2 “Ergonomics for people with special requirements”



- ◆ Established and started drafting the TR in March 2004
- ◆ Convenor: K. Sagawa (Secretariat: AIST, Japan)
- ◆ Experts: 19 experts from 9 member bodies (as of Sept. 2006), including Japan, Germany, USA, UK, etc.
- ◆ Time frame
 - ◆ Draft submission for voting: 8th September, 2006
 - ◆ End of voting: 8th December, 2006
 - If approved,*
 - ◆ Rewriting of the draft for publication: by March, 2007
 - ◆ Publication of TR 22411: April, 2007 at the earliest

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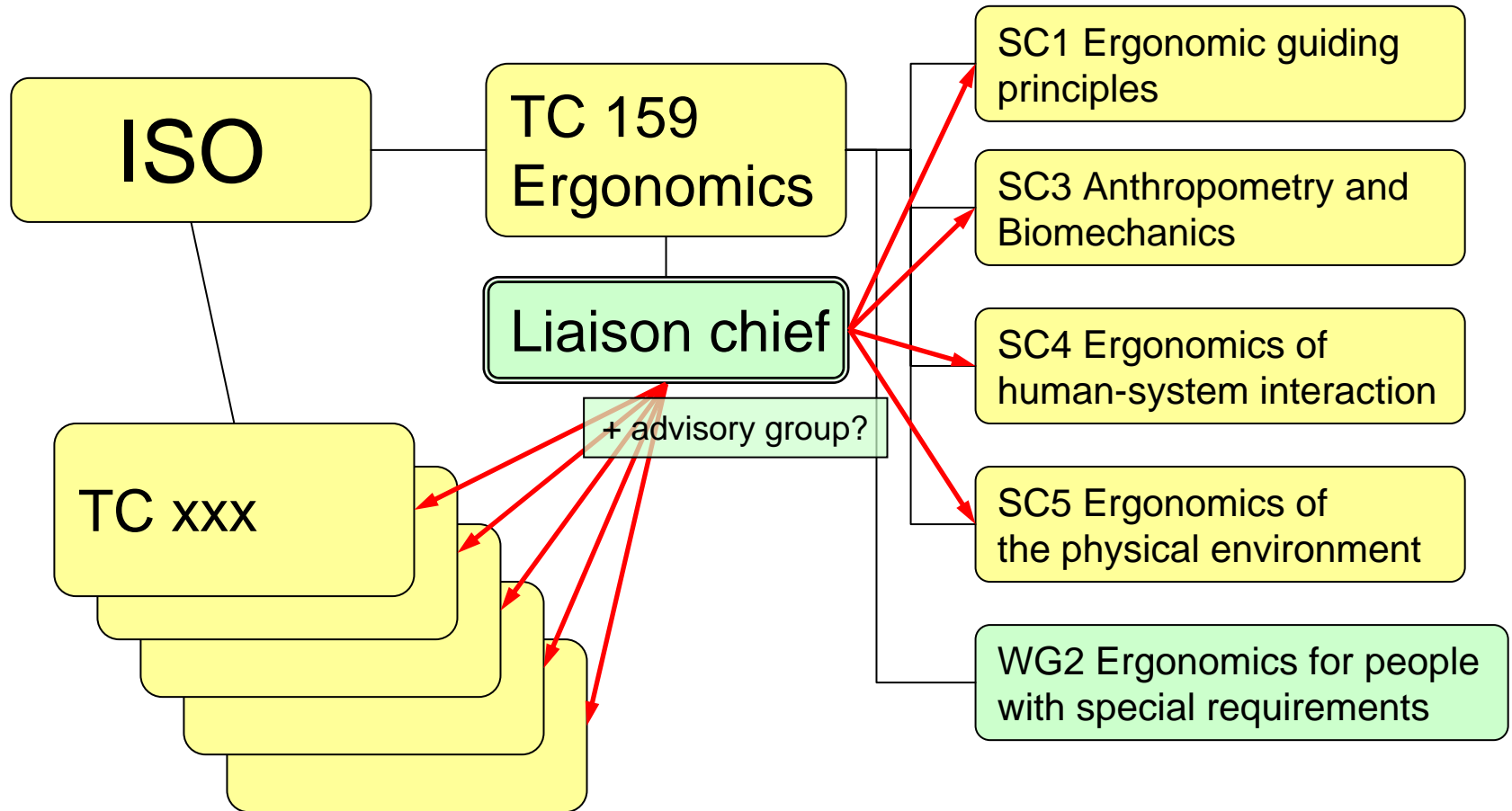
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Promotion of standardization works on accessibility in ISO/TC 159



- ◆ TC 159 plenary meeting at Dayton (USA) in April, 2006
 - ◆ Further development of TR 22411 in TC 159/WG 2
 - ◆ The contents should be expanded as the one and only document that supplement Guide 71 with ergonomic knowledge
 - ◆ New experts will be called for after the publication of the 1st edition
 - ◆ Assignment of a liaison chief of accessible design
 - ◆ Liaison chief: K. Sagawa (JISC)
 - ◆ An advisory group will be established (?) that promotes liaison with TCs/SCs in/outside TC 159
 - ◆ Aiming for:
 - ◆ making their standardization works on accessibility more efficient and
 - ◆ keeping consistency among standards in different fields

Liaison chief and TCs/SCs in ISO



Summary and concluding remarks



- ◆ Recent progress on drafting ISO/TR 22411
 - ◆ Submitted for voting
 - ◆ The voting will be closed: 8th December, 2006
- ◆ ISO/TC 159 is promoting the establishment of accessibility-related standards,
 - ◆ keeping close cooperation with TCs/SCs in/outside TC 159



- ◆ Aiming for accessibility-related standards being developed in a consistent way and on the same basis of ergonomic knowledge
- ◆ For more information: kurakata-k@aist.go.jp

