

WS-SMH/Sec 31/INF-0503

## E-Accessibility and Designed for All

Smart House related conclusions  
of the Nice CEN/CENELEC/ETSI event  
March 2003

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## Accessibility for All

- ❖ A new mindset on the growing importance of design for all in our society is to be encouraged
- ❖ Advertise further the wide use of the IEC/ISO Guide 71 /CEN/CENELEC Guide 6:
  - For service sectors
  - At national level
- ❖ Building direct relationships with players in the standardization process:
  - Users
  - Industry
  - Service Providers
- ❖ Accessibility should be promoted as an opportunity for business

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## Accessibility for All (ctd.)

- ❖ Increase awareness at the level of public authorities and at the level of the industry
- ❖ Learn from international experience to favor a harmonized legal situation in Europe and worldwide

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## Authority support of « Accessibility »

- Commission and Public authorities to create incentives for **Accessible products and services for all** e.g. by
- ❖ setting and maintaining accessibility requirements for procurement of goods and services
  - ❖ having an Accessibility Labelling System developed
  - ❖ promoting international activities and joint efforts of the industry, consumers, academia and government stakeholders
  - ❖ supporting improved access to relevant information and training in particular to business decision makers
  - ❖ By having equal measures and guidelines developed to ensure ethical design and prevent social exclusion

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## Continous financial support of « Accessibility » Standardisation

- European Commission to continue financial support of preparation of
- ❖ Preparation of eAccessibility standards
  - ❖ Setting up of Disability Access Initiatives similar to Web Access initiative
  - ❖ improving awareness and support from public administrations

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## Accessibility at Home

- ❖ Accessibility provides a commercial opportunity and a potential source of new revenues
- ❖ Studies of ICT use by children should be encouraged and promoted
- ❖ Accessible interfaces and interoperability are crucial for smart homes and digital TV and have to be standardized

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### Aspects of Smart House technologies for elderly and disabled

- Smart house suitable for elderly and disabled people are only possible if
  - accessibility barriers of technologies are early detected
  - Appropriate standardization provided
- Universal accessibility issues will be not solved by the market
  - Appropriate regulatory instruments required e.g. To avoid social exclusion

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### Unified Accessibility User Interface for Services for Elderly and Disabled

- Environmental control (lighting, heating, ventilation, security,
- Telecommunications: Voice/video telephony (fixed and mobile), Data transmission (internet access)
  - Help and alarm systems
  - Personal location
  - Alternative communication
  - Alternative mobility (smart wheelchairs)

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### Unified User Interface

only possible if the network technology for smart homes is able to support interoperability and systems integration

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### Multimedia & Assistance (for disabled)

on Broadcasting (service) side

- ❖broadcasting, analogue and digital, on various platforms terrestrial, cable and satellite, extension to interactivity
- ❖e.g. subtitling, signing and audio description and best practices in service
- ❖=> presentation techniques in both audio and visual formats including e.g. conversion standards between speech and sign language
- ❖ease of access to services through e.g. teletext and (EPG) Electronic Programme Guides
- ❖ease of use of these assistive services
- ❖appropriate visibility and simplicity of use of on screen menus.

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### Multimedia & Assistance (for disabled)

on equipment manufacturer's side

- ❖receiver user controls, in particular for people with sensory impairments. e.g. ease of use by labelling of receiver controls, by clear and logical positioning of displays
- ❖remote controls, the size shape and functionality of the buttons, common use of symbols
- ❖simplify the connectivity to and between devices, e.g. with wireless connections between devices
- ❖Voice driven commands?

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