Standards in ICT for Active and Healthy Ageing
Featuring the European Commission funded PROGRESSIVE Project

BSI Standards Matter
Edinburgh 22nd June 2017

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‘Our Kind’ of ICT

Focus is on ICT that enables and includes

Sources: pinterest.com; actionpoint.ie; gsprogress.us; ajnoffthecharts.com
‘Our Kind’ of ICT

Focus is on ICT that enables and includes ... and at the bedside

Sources: pinterest.com; intel.com; remedi-tech.com
‘Active and Healthy Ageing’?

Try a Google Search!
‘Active and Healthy Ageing’?

Older people riding bicycles; perfect teeth!
‘Active and Healthy Ageing’?

Wrong! It is so much more!

Older people riding bicycles; perfect teeth!
Active and Healthy Ageing

Process of optimising opportunities for health, participation and security in order to enhance quality of life as people age

WHO Definition
Active and Healthy Ageing

Associated with imperatives driven by ethics and demographics

... Implications for standards
What are the Imperatives?

... Demographic

- Responding to growth in number of older people with support needs
- Age ratios in the spotlight
What are the Imperatives?

... Demographic

- Responding to growth in number of older people with support needs
What are the Imperatives?

... Demographic

• Responding to growth in number of older people with support needs
• But ... also growth in number of older people without support needs

Source: ahsn-nenc.org.uk
What are the Imperatives? 

... Ethics

- Imperative around demographics becomes imperative around engagement, inclusion and ...

- Clear ethical dimension
What are the Imperatives?

... Ethics

• Implications for standards
• Key issues

PROGRESSIVE
What are the Imperatives?

... Ethics

- Key ethical issues around e.g. inclusion, accessibility, respecting rights, etc ... including for those with support needs
The Role of Standards and Innovation in Driving APEC’s Silver Economy

The PROGRESSIVE Project on Standards and Standardisation around ICT for Active and Healthy Ageing
• The Role of Standards and Innovation in Driving APEC’s Silver Economy (March 2017)
  • Discussion paper where ‘APEC urgently needs to develop a silver economy standards and innovation roadmap’ [June-Aug 2017]

Acknowledgement to Community Resourcing, Brisbane
www.communityresourcingworldwide.com.au
The Role of Standards and Innovation in Driving APEC’s Silver Economy (March 2017)

Discussion paper where ‘APEC urgently needs to develop a silver economy standards and innovation roadmap’ [June-Aug 2017]

Intent to inform and stimulate wider debate re. standards and the silver economy

21 members around the Pacific Rim
41% of world population
44% of world trade
51% of world GDP
• Ageing populations:
  o ‘significant policy conundrum and societal challenge’
  o ‘new frontier for business opportunity and market growth’
  o ‘new consumer markets for age friendly products, services and assistive technologies’

• Dramatically increased expenditure:
  o wellness, health and medical care, senior housing, education, employment, tourism, hospitality, financial products and services, hobbies

• Standards as part of a multi-faceted robust policy response
• Identified standards in 6 sectors
  Health; building & housing; transport & mobility; ICT; travel, leisure, social & community engagement; workforce planning

• Listed standards from 14 countries
• Key insights
  o international standards bodies (ISO, IEC and ITU) should consider introducing the concept of standards being ‘silver economy / age-friendly’ supportive
  o APEC to consider funding pilots that specifically link innovation and standards to create new silver economy products/services and technology offerings
  o APEC to learn from European Union
  o need for new thinking about the proactive role that NSBs can play in designing and developing an ‘APEC Silver Economy Standardisation and Innovation Roadmap’ ...
• The Roadmap
  o resource and planning tool to raise market awareness ...
    shared vision for APEC stakeholders re. market priorities,
    strategies and actions ‘to make the silver economy a reality’
• Learning from the EU
  o drawing on EU the targeted research (around ‘active ageing’) being undertaken
• The PROGRESSIVE Project will provide some of the first input to that learning process ...
• Horizon 2020 Coordination and Support Action funded by the European Commission
• Responds to Call H2020-SC1-2016 re. Standardisation Needs in the Field of ICT for AHA
• Operates 1st October 2016 to 30th September 2018
  • Contract Sum €905,781
• Led by De Montfort University, Leicester (UK)
  • 10 Partners
... to set in place a dynamic and sustainable framework where the contribution of standards and standardisation for ICT can be maximised for Active and Healthy Ageing
Who are the PROGRESSIVE Partners?

- De Montfort University – UK
- The Open University – UK
- Age Platform Europe AISBL – BE
- European Health Telematics Association (EHTEL) – BE
- Telehealth Quality Group EEIG – UK
- Consiglio Nazionale delle Richerche (CNR) – IT
- Asociacion Española de Normalizacion y Certificacion (UNE) – ES
- DIN Deutsches Institut fuer Normung E.V – DE
- Stichting Nederlands Normalisatie – Instituut (NEN) – NL
- UNINFO Associazione di Normazione Informatica – IT
Supporting the PROGRESSIVE project?
Most on Advisory Group

• ANEC - The European Consumer Voice on Standardisation, BE
  • CEN / CENELEC, BE
  • ETSI, FR
• International Society for Telemedicine & eHealth, CH
  • UC Leuven Limburg, BE
• CRETECS Centre of Expertise in Care Technology, BE
  • British Standards Institution, UK
• EASPD European Association of Service Providers for People with Disabilities, BE
  • Stëftung Hëllef Doheem, LU
  • Mextel, NL
• Debrecen University, HU
PROGRESSIVE: Interactive Platform
via www.progressivestandards.org

Interactive Platform for
... documenting relevant standards
• Filtered to ensure ‘relevance’ ...
  • Searchable by topic
  • Abstract and description
... plus other detail regarding currency of standard
<table>
<thead>
<tr>
<th><strong>Name</strong></th>
<th>Services para la promoción de la autonomía personal: Gestión del servicio de teleasistencia</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Number</strong></td>
<td>UNE 158401 / PNE 158401</td>
</tr>
<tr>
<td><strong>Country</strong></td>
<td>Spain</td>
</tr>
<tr>
<td><strong>Website</strong></td>
<td><a href="http://www.aenor.es">www.aenor.es</a></td>
</tr>
<tr>
<td><strong>Type</strong></td>
<td>Standard</td>
</tr>
<tr>
<td><strong>Issue Date</strong></td>
<td>2007</td>
</tr>
<tr>
<td><strong>Forward Review Date</strong></td>
<td>Not known</td>
</tr>
<tr>
<td><strong>Intended Audience</strong></td>
<td>Governmental and Public Sector bodies; Private Sector bodies; Professional and Trade bodies; Third (Voluntary) Sector bodies</td>
</tr>
<tr>
<td><strong>Abstract</strong></td>
<td>Standard establishes ‘minimum requirements that should be met by any teleassistance service’. Such services are seen as operating 24 hours a day and providing an ‘immediate response to various contingencies’. This includes their role in tracking the geographical position of users. It is focused on service provision rather than on the technologies.</td>
</tr>
<tr>
<td><strong>Relevance to Active and Healthy Ageing</strong></td>
<td>Standard relates to an important range of services that are proven to support independent living. By far the majority of users of such services are older people. Their role often complements that of formal and informal carers.</td>
</tr>
<tr>
<td><strong>Usage</strong></td>
<td>Not known.</td>
</tr>
<tr>
<td><strong>Comment</strong></td>
<td>Standard offers useful operational framework with a limited range of linked performance indicators. These include those that relate to mobile responses (where the latter are included). Particular attention is given to the * protocols for working with and providing information to and obtaining consent (‘acceptance of service’) from service users; * knowledge, expertise and training of service staff; and * accessibility and operation of devices in the homes of users.</td>
</tr>
</tbody>
</table>
• Filtered to ensure ‘relevance’
  o standards where ICT element is of generic nature (e.g. cloud computing, cyber-security, signalling protocols) or pertains to medical diagnosis / treatment
  o level of relevance indicated as high, medium or low
• Some ‘feed in’ from PRO EIPAHA Project
  [European Innovation Partnership on AHA]
• Entries subject to panel scrutiny
PROGRESSIVE: Guidelines on Key Topics

8/9

• Co-production
  o when, how older people should be engaged in standardisation
    o fostering changes in thinking and in processes

• Interoperability
  o considering use-cases in wide range of AHA ‘domains’

• Age-friendly guidelines
  o raising awareness, exploring implications for standards

• Smart homes
  o their fit within age-friendly frameworks
  o the ICT content and related design parameters
• Project Standardisation Forum in Brussels
  - report and consult on ‘direction of travel’ of project
    - involving range of stakeholders
    - referencing ‘domains’ and (more detailed) fields
    - working on framework for co-production
  - Followed (in 2018) by
    - Launch event in Brussels
    - guidelines released
    - new ‘Forum for European AHA Standards’ established
• Project Standardisation Forum in Brussels
  ... report and consult on ‘direction of travel’ of project
  ○ involving stakeholders
  ○ domains and fields
  ○ work for co-production
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  ... guidelines released
  • New ‘Forum for European AHA Standards’ established
Round Up 1/2

• In the world of standards we need to see AHA positively
  o demographic and ethical imperatives
  o political implications

• APEC Study has taken a lead for ageing and the ‘silver economy’

• PROGRESSIVE Project introduces the age-positive approach ...
• PROGRESSIVE Project introduces the age-positive approach (at least for ICT) ... about
  o recognising the rights, abilities, knowledge of older people
    o promoting inclusion and engagement
  ... and potentially
    o providing an input to the APEC Roadmap
      o helping develop that broader international (European) dimension
  o doing justice to both the ‘silver economy’ and the place of active, healthy and digitally empowered older people in our society.

...
Thank You!
Diolch yn Fawr!

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www.progressivestandards.org