

Standards in ICT for Active and Healthy Ageing

Featuring the European Commission
funded PROGRESSIVE Project

PROGRESSIVE 



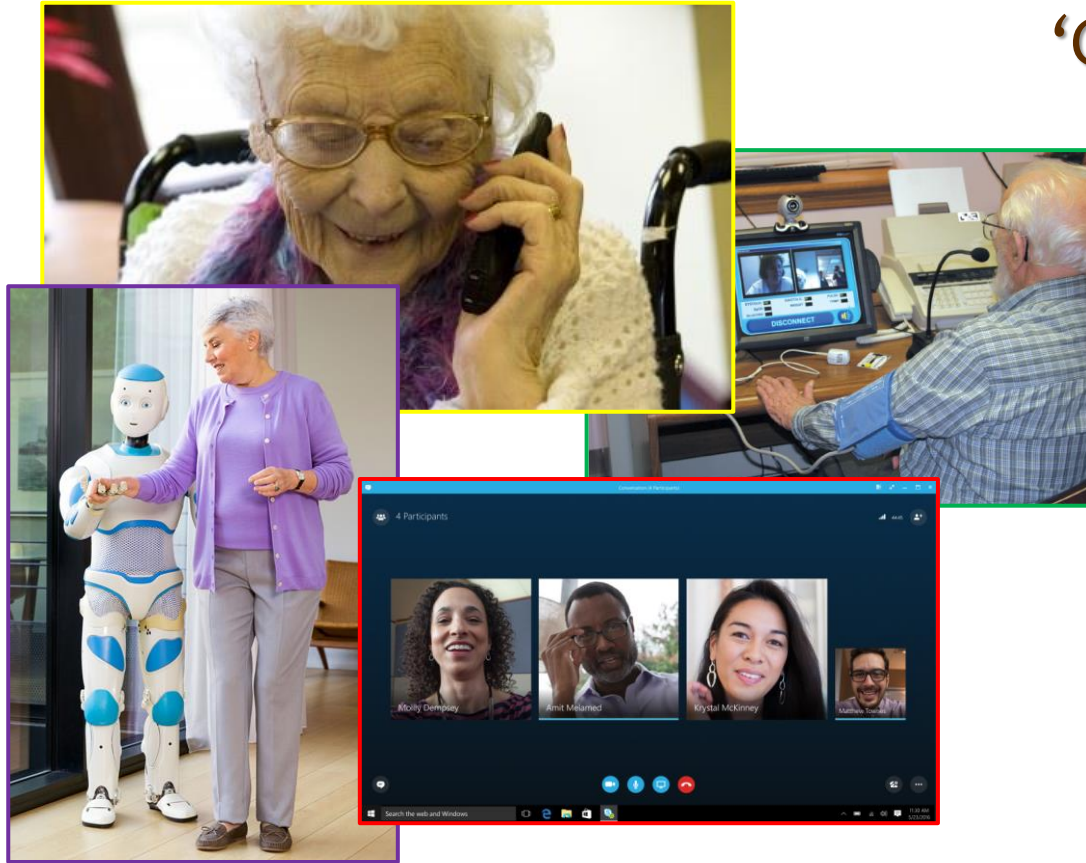
BSI Standards Matter
Edinburgh 22nd June 2017



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'Our Kind' of ICT



Focus is
on ICT
that
enables
and
includes

Sources: [pinterest.com](https://www.pinterest.com); [actionpoint.ie](https://www.actionpoint.ie); [gsprogress.us](https://www.gsprogress.us); [ajnoftthecharts.com](https://www.ajnoftthecharts.com)



'Our Kind' of ICT

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



‘Active and Healthy Ageing’?



Try a
Google
Search!



‘Active and Healthy Ageing’?



Older
people
riding
bicycles;
perfect
teeth!



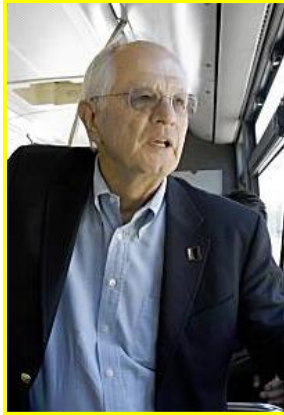
‘Active and Healthy Ageing’?



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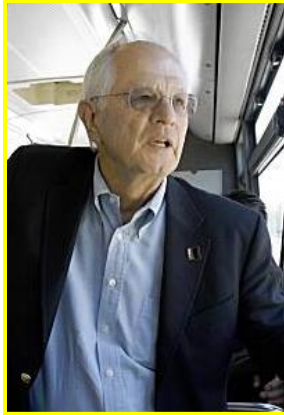
Active and Healthy Ageing



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

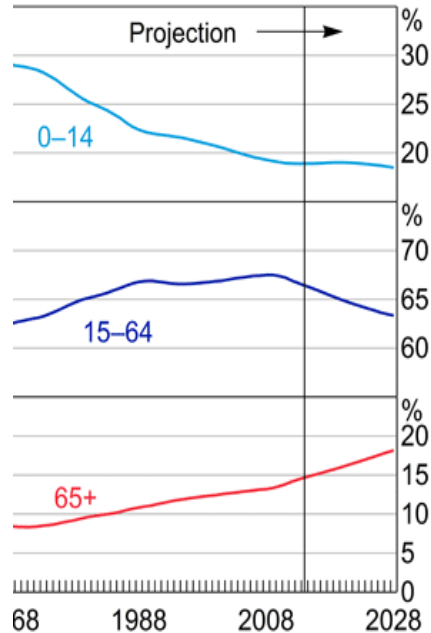


Associated with
imperatives
driven by ethics
and
demographics

... 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



What are the Imperatives? ... Ethics

- Imperative around demographics becomes imperative around engagement, inclusion and ... politics
- Clear ethical dimension



What are the Imperatives? ... Ethics



- Implications for standards
- Key issues

What are the Imperatives?

... Ethics



- Key ethical issues around e.g. inclusion, accessibility, respecting rights, etc ... including for those with support needs

Context: 2 Projects



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





**Asia-Pacific
Economic Cooperation**



**STANDARDS
Australia**



APEC Study ^{1/6}

- **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



**Asia-Pacific
Economic Cooperation**



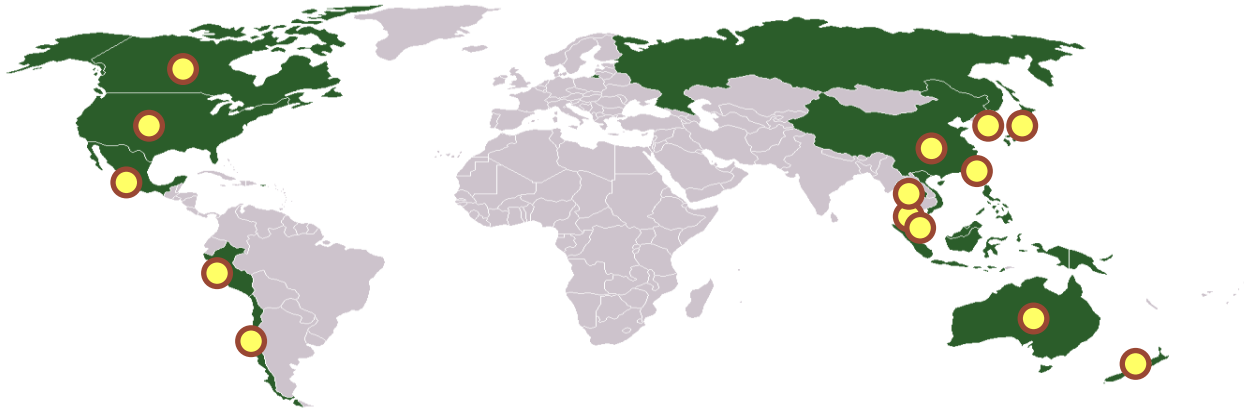
21 members around the
Pacific Rim
41% of world population
44% of world trade
51% of world GDP

APEC Study ^{2/6}

- 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**

- Ageing populations:
 - *‘significant policy conundrum and societal challenge’*
 - *‘new frontier for business opportunity and market growth’*
 - *‘new consumer markets for age friendly products, services and assistive technologies’*
- Dramatically increased expenditure:
 - *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
 - *international standards bodies (ISO, IEC and ITU) should consider introducing the concept of standards being ‘silver economy / age-friendly’ supportive*
 - *APEC to consider funding pilots that specifically link innovation and standards to create new silver economy products/services and technology offerings*
 - *APEC to learn from European Union*
 - *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
 - *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
 - *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 ...

About the PROGRESSIVE Project? ^{1/9}



- 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



PROGRESSIVE Project: Primary Objective ^{2/9}



... 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? 3/9

- 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 Ricerche (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 ^{4/9}

- 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



- Stöftung Hëllef Doheem, LU



- Mextel, NL



- Debrecen University, HU



PROGRESSIVE: Interactive Platform ^{5/9}

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 ^{PTO}



Name	Services para la promoción de la autonomía personal: Gestión del servicio de teleasistencia [Services for the Promotion of Personal Autonomy: Teleassistance (Telecare) Service Management Requirements]
Number	UNE 158401 / PNE 158401
Country	Spain
Website	www.aenor.es
Type	Standard
Issue Date	2007
Forward Review Date	Not known
Availability	Full Standard available for download at http://www.en.aenor.es/aenor/normas/normas/fichanorma.asp?tipo=N&codigo=N0040213 English version available for download at http://www.beuth.de/en/standard/une-158401/106048894
Intended Audience	Governmental and Public Sector bodies; Private Sector bodies; Professional and Trade bodies; Third (Voluntary) Sector bodies
Abstract	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.
Relevance to Active and Healthy Ageing	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.
Usage	Not known.
Comment	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.

PROGRESSIVE: Interactive Platform ^{7/9}

PRO EIPAHA Project

Standards overview to 2020

Gap analysis

Very High Priority

eHealth

Social care records

Falls prevention devices

Cognitive accessibility of ICT products

High Priority

Falls risk assessments

Technical interoperability for the IoT

Quality criteria for health & wellness apps

Structures for non-institutional care

Health profession qualifications

- Filtered to ensure ‘relevance’
 - *standards where ICT element is of generic nature (e.g. cloud computing, cyber-security, signalling protocols) or pertains to medical diagnosis / treatment*
 - *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

NEN • Co-production

- *when, how older people should be engaged in standardisation*
 - *fostering changes in thinking and in processes*

EHTEL • Interoperability

- *considering use-cases in wide range of AHA 'domains'*

UNINFO • Age-friendly guidelines


- *raising awareness, exploring implications for standards*

DIN • Smart homes

- *their fit within age-friendly frameworks*
- *the ICT content and related design parameters*



PROGRESSIVE: Consultation Forum 9/9

-  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*



PROGRESSIVE: Consultation Forum 9/9



• Project Standardisation Forum in Brussels

... report and consult on 'direction of work' project

◦ in *work* stakeholders

remains and fields

work for co-production

• Followed (in 2018) by

• Launch event in Brussels

... guidelines released

new 'Forum for European AHA Standards' established

Hold the Date (for the Forum)! 18th October 2017
(to be confirmed)



Round Up ^{1/2}



- In the world of standards we need to see AHA positively
 - *demographic and ethical imperatives*
 - *political implications*
- **APEC Study** has taken a lead for ageing and the ‘silver economy’
- **PROGRESSIVE Project** introduces the age-positive approach ...



Round Up ^{2/2}

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

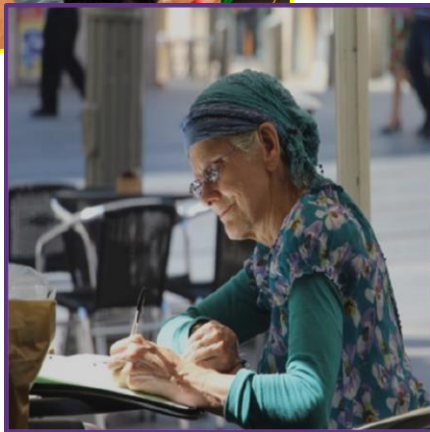
...



Thank You!
Diolch yn Fawr!



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www.progressivestandards.org

