Ergonomics in Design for All/ Newsletter

Dear Members and Friends of the International Ergonomics Association (IEA),
Ergonomics in Design for All Technical Committee,
Welcome to our sixth year and twentieth newsletters:
it includes some news on standards.
Have a look at it, enjoy it!

With very best wishes, I wish you good luck with your work,
Isabella T. Steffan
IEA Ergonomics in Design for All TC Board

CONGRESSES

THE UD2022 Brescia

By **Delfin Jiménez Martín,** EQAR, Madrid, Spain

From September 7 to 9, the Sixth International Conference on Universal Design took place in Brescia (Italy), bringing together Accessibility and Universal Design professionals from all over the world.
This time, organized by the Universities of Brescia, Trieste and Venice, and under the theme "Transforming our World through Universal Design for Human Development", more than fifty papers of great interest were presented, in addition to the keynote speeches in the Main Plenary Room and the informal mini-sessions in the gardens.

Different fields of research in Universal Design were addressed:

- Universal Design and ICT
- Universal Design and institutional policies in the public and private sectors
- Universal Design and Cultural Heritage
- Universal Design in the tourism sector
- Universal Design and individual differences

In addition, this biannual conference is always a privileged moment to improve networking and meet new professionals in the field.

Finally, as a first result of this event, a monograph has already been published in the journal Health Technology and Informatics of IOS Press: "Transforming our World through Universal Design for Human Development".
In this Open Access publication, you can read in almost seven hundred pages, the articles of the presentations of the Congress:
https://ebooks.iospress.nl/ISBN/978-1-64368-305-8

And the best of all is that it doesn't end here: the next edition is already being prepared for 2024, which will take place in Norway.
Are you up for it?

https://ud2022.unibs.it/

NEWS

STANDARDS - ISO TC 314 – Ageing Societies

By **G. Rae Dulmage,** Chair Canadian Mirror Committee to ISO/TC 314 - Ageing Societies

ISO/TC 314 was established in 2017 to develop standards to address the societal needs of the ageing population and provide guidance to organizations that provide services to this age group.

According to data from World Population Prospects: the 2019 Revision, by 2050, one in six people in the world will be over age 65 (16%), up from one in 11 in 2019 (9%). By 2050, one in four persons living in Europe and Northern America could be aged 65 or over.

In 2018, for the first time in history, persons aged 65 or above outnumbered children under five years of age globally.
The number of persons aged 80 years or over is projected to triple, from 143 million in 2019 to 426 million in 2050.

The work program of ISO/TC 314 was developed considering the recommendation of IWA-18 Framework for integrated community – based life-long health and care services in aged societies" and the ISO TMB SAG report.

To date ISO TC 314 has published the following 3 standards:
- ISO 25550:2022 Ageing societies — General requirements and guidelines for an age-inclusive workforce
- ISO 25551:2021 Ageing societies — General requirements and guidelines for carer-inclusive organizations
- ISO 25552:2022 Ageing societies — Framework for dementia-inclusive communities.

ISO/TC 314 has the following projects underway as of September 2022:
- ISO/AWI 25553 — Smart Multigenerational Neighbourhoods- Guidance and Requirements
- ISO/WD 25554 — Ageing Societies-- Guidelines for Promoting Wellbeing in Local Communities and Organizations
- ISO/DTR 25555 Ageing society — Accessibility and usability considerations for home-based healthcare products, related services and environments
- ISO/AWI 25556 Ageing societies — General requirements and guidelines for ageing-inclusive digital economy

ISO/TC 314 considers the following areas require coordination and examination due to possible overlap with other TCs. Within these areas ISO/TC 314 intends to provide support by consultations, cross referencing or complementing existing work or addressing gaps in the future:
- Universal design standards
- Accessibility standards
- Technologies and systems for an ageing society

You can find more information about the work of ISO/TC 314 on the following sites:
https://www.iso.org/committee/6810883.html
https://committee.iso.org/home/tc314
https://www.linkedin.com/groups/8960181/

ISO/TC 314 also holds webinars from time to time on projects and initiatives. For a recent article on ISO/TC 314 see the following link:
https://www.iso.org/news/society-for-all-ages.html

.it/

FOCUS

ACCESSIBILITY STANDARDIZATION IN CANADA – ESTABLISHMENT OF ACCESSIBILITY STANDARDS CANADA

By **G. Rae Dulmage,** Chair Canadian Mirror Committee to ISO/TC 314 - Ageing Societies

On June 21, 2019 the Accessible Canada Act https://laws-lois.justice.gc.ca/eng/acts/A-0.6/FullText.html received Royal Assent.

The purpose of this Act is to benefit all persons, especially persons with disabilities, through the realization, within the purview of matters coming within the legislative authority of Parliament, of a Canada without barriers, on or before January 1, 2040, particularly by the identification and removal of barriers, and the prevention of new barriers.
In Part 2 of this Act the establishment of a Canadian Accessibility Standards Development Organization was mandated as follows:

18 The Standards Organization's mandate is to contribute to the realization of a Canada without barriers, on or before January 1, 2040, through, among other things,
a) the development and revision of accessibility standards;
(b) the recommendation of accessibility standards to the Minister;
(c) the provision of information, products and services in relation to the accessibility standards that it has developed or revised;
(d) the promotion, support and conduct of research into the identification and removal of barriers and the prevention of new barriers; and

(e) the dissemination of information, including information about best practices, in relation to the identification and removal of barriers and the prevention of new barriers.

Further the develop of accessibility standards was expounded as follows:
20 The Standards Organization may develop accessibility standards for — or provide any information, product or service related to accessibility standards to — any person or entity, including any government in Canada or elsewhere.

The following 7 priorities, as identified in the Accessible Canada Act, guide their work:
- employment
- the built environment
- information and communication technologies
- communication (other than information and communication technologies)
- the procurement of goods, services and facilities
- the design and delivery of programs and services
- transportation

The Standards Development Organization is known as "Accessibility Standards Canada" or "ASC" https://accessible.canada.ca/ and commenced its work right away with the first standards projects starting in 2021. In February 2022 ASC was officially accredited by the Standards Council of Canada. This tells everyone that the processes thee follow align with the best standards practices in Canada and the world. They are the first of our kind in Canada, namely, a Standards Development Organization led by persons with disabilities.
ASCs includes people with disabilities at every stage of the standard development process. In fact, people with disabilities account for at least a third of technical committee members, or as many as half on a number of committees. Standard development in this area is not possible without their contribution. This is the only way to build a truly accessible Canada.
Accessibility Standards Canada developed and published a Roadmap to 2040 which will guide their work to 2040. It can be viewed or downloaded from this link:
https://accessible.canada.ca/sites/default/files/2022-01/Roadmap%20to%202040_A%20plan%20to%20guide%20the%20work%20of%20Accessibility%20Standards%20Canada.pdf
The stated Vision, Mission and Values are as follows:
Vision: Everyone, including people with disabilities, can:
expect a Canada without barriers; and be sure that opportunities and services are fully accessible.
Mission: People with disabilities lead Accessibility Standards Canada to create a Canada without barriers.

We work with people with disabilities to:
create modern accessibility standards in priority areas; revise current accessibility standards; lead research; support society to reach the highest level of accessibility.
Values: These six value statements guide our work. We value:
The knowledge and experience of people with disabilities. We expect those we collaborate with to show this same value.
The diversity of society. Our work respects human rights and focuses on including everyone.

A Canada without barriers where people with disabilities can expect the same high level of access across the country. Universal access where services, products and places are designed to be accessible to everyone. Two-way communication in all areas of our work. It must be: open; accessible; timely; clear. Lived experience of disability and research as equally important when making decisions. These values are based on the principles outlined in the Accessible Canada Act.

So far Accessibility Standards Canada has established 8 committees as of September 2022. There is other work and research underway as well.

CAN-ASC-3.1 – Standard on Plain Language
Start Date: March 30, 2021 Completion Date: Winter 2022 *Technical Committee on Plain Language*
CAN-ASC-2.1 – Standard on Accessibility of Outdoor Spaces – Start Date: March 24, 2022 - Completion Date: Summer 2023 -*Technical Committee on Outdoor Spaces*
CAN-ASC-2.2 – Standard on Accessible Emergency Egress
Start Date: January 25, 2022 - Completion Date: Summer 2023 *Technical Committee on Emergency Egress*
CAN-ASC-1.1 – Standard on Accessible Employment
Start Date: September 21, 2021-Completion Date: Fall 2023 *Technical Committee on Employment*
CAN-ASC-2.3 – Model Standard on the Built Environment – Accessibility Start Date: April 6, 2022- Completion Date: Spring 2023 -*Technical Committee on a Model Standard in the Built Environment - Accessibi*
CAN-ASC-2.6 – Standard on Accessibility of Wayfinding and Signage – Start Date: April 26, 2022 - Completion Date: TBD *Technical Committee on Wayfinding and Signage*
CAN-ASC-5.1 – Standard on Accessibility of Emergency Measures – Start Date- April 27, 2022- Completion Date: TBD
Technical Committee on Emergency Measures
CAN-ASC-6.1 – Information and Communication Technology (based on EN 301 549) – Start Date: June 2, 2022 - Completion Date: TBD *Technical Committee on Information Communication Technology*

Promoting Ergonomics in Design for All is a core activity of our EinDfA TC.
You can find information about objectives, domains of interest, members of the TC here:

https://iea.cc/member/ergonomics-in-design-for-all-eindfa/