



NSAI

ANNUAL REPORT 2018

**NSAI TECHNICAL COMMITTEE
(NSAI/TC023)
UNIVERSAL DESIGN**

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1 Chairman's Statement

The major benefits expected of the standards developed by NSAI TC023 and the participation by NSAI experts on regional (European- CEN /CENELEC) and international (ISO/IEC) committee work are in the short term and long term for:

- improved quality of life for the widest range of users;
- criteria for manufacturers against which to design products, services, ICT and the built environment for the widest range of users;
- safe, reliable and functional products produced for consumers - purchasers and users;
- improved cost effectiveness for purchasers, both private and public;
- enhanced compatibility and interoperability between products;
- standards in new emerging areas to facilitate the changing demographics of our society
- greater opportunities due to the availability of technology for independent living
- equity as well as equality for the widest range of users of products, services, ICT and the built environment
- increased market share for manufacturers of products and services.

NSAI TC023 goal is to represent the diversity of the human population and continue to grow the members of NSAI TC023 to ensure the widest range of users are represented in the work at both national, regional and internationally.


NSAI TC023 continue to be involved at European level in Commission initiatives such as M/376, M/420 and M/473 (Standardisation requests to CEN / CENELEC) and look forward to the finalisation of the proposed European Accessibility Regulation in 2018.

It is foreseen that the proposed Accessibility Act will be finalised in early 2019 and will impact standardisation work programmes both nationally and regionally.

2 Introduction

The primary objective of NSAI/ TC 23 is to:

- produce National deliverables /standards on products, services, systems and the built environment for the widest range of users including persons with disability and older persons, including follow-up activities and revisions to support Government and EU legislation and policy in the absence of European standards.
- monitor and participate in the development of regional (European – CEN ~CENELEC) and international Standards (ISO, IEC, ETSI)
- advise NSAI Standards Development on how the needs of the widest range of users to participate effectively and efficiently in society are addressed in standards.



The Committee currently has more than 20 experts involved NSAI/TC023 and its various SC's , engaging in national , regional and international work

3 Scope of TC

The major categories that NSAI/TC 23 presently deals with are

- the built environment
- ICT (user interface accessibility)

- products and services
- assistive products for persons with disabilities including wheelchairs, accessories to wheelchairs, assistive products for walking.

Built Environment**Mobility & Wheelchairs****Assistive technology****ICT /Visual and Audio technology**

- **User interface accessibility, interoperability**
- **user interfaces for mobile devices, handheld devices and remote interactions**

Mobility & Wheelchairs**Assistive technology****Products and services – Range of Users**

- **Universal design for energy suppliers**
- **Customer communications for tourism services**
- **Design for All – products and services**
- **accessible tourism**
- **ergonomics – user interface**
- **Assistance dog & Guide Dog**
- **Aging societies (Dementia friendly communities)**

NSAI/TC023 committee mirrors and engages with the following international committees:

CEN SAGA	Strategic Advisory Group on Accessibility
CEN/CLC/JTC 12	Design for All
CEN/CLC/JTC11	Accessibility in the built environment
CEN/CLC/ETSI/JWG eAcc	eAccessibility

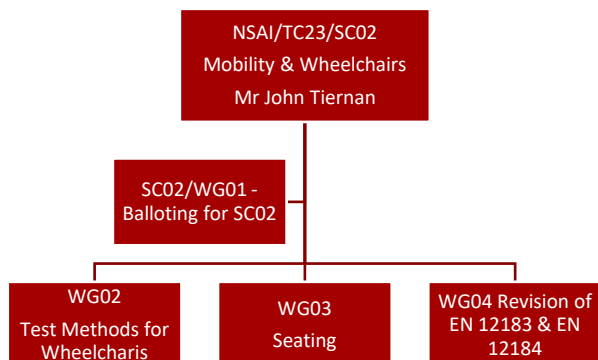
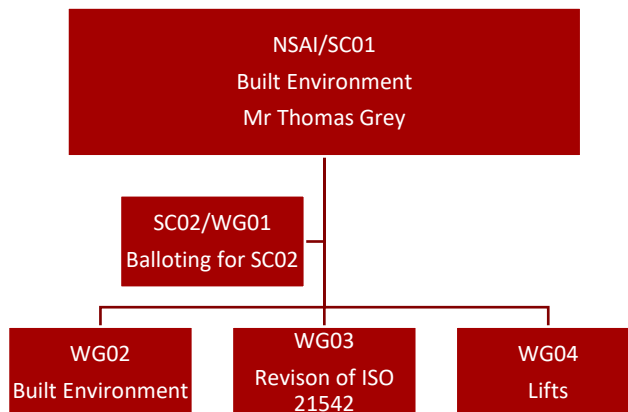
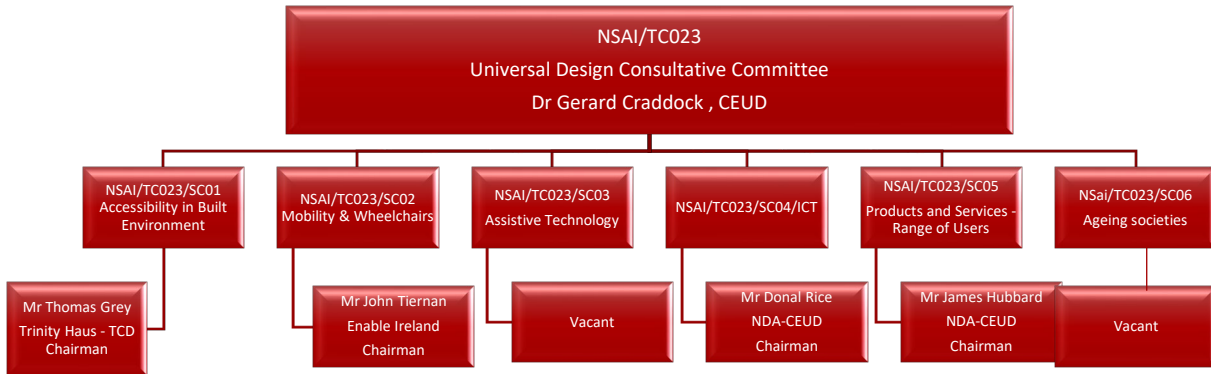
CEN/TC122 & ISO/TC159	Ergonomics
CEN/TC 10/WG 7	Accessibility to lifts for persons including persons with disability
ISO TC59/SC16	Accessibility in the built environment
CEN/TC293 & ISO/TC 173	Assistive Products
ISO TC228/WG14	Accessible Tourism
ISO/IEC/JTC1/SC35	Human Interfaces
ISO/TC314	Ageing Societies
CEN/TC452 Competence	Assistance Dog & Guide Dog teams Standards and Instructor

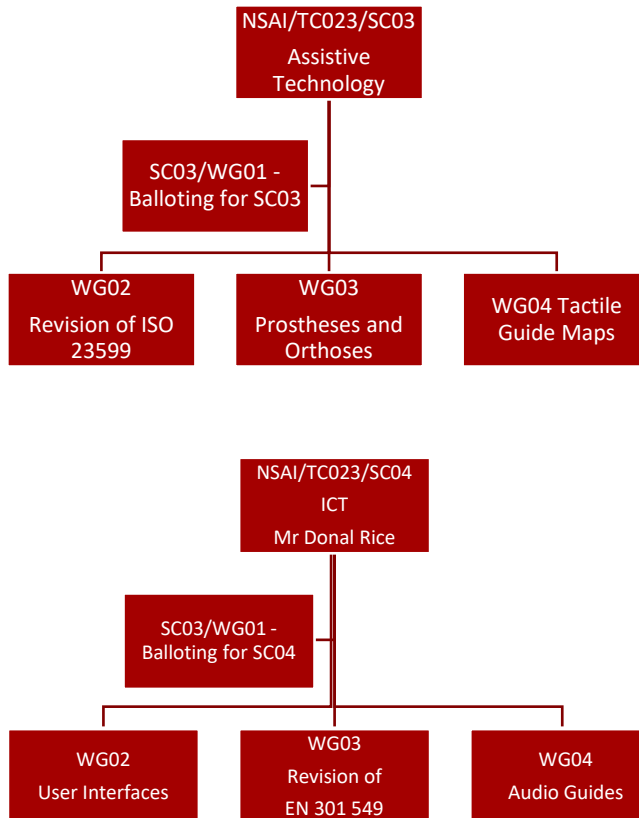
Committee Name	Committee Title
NSAI TC023	Strategic Advisory Group on Accessibility
NSAI TC023 /SC1	CEN/CLC/JTC11 ISO TC59/SC16 CEN/TC 10/WG 7
NSAI TC023 /SC2	CEN/TC 293/WG 9 ISO/TC 173/SC1
NSAI TC023 /SC3	CEN TC293 ISO TC173 CEN/TC 293/WG 10 ISO/TC 173/SC 7/WG 5 CEN/TC 293/WG 5
NSAI TC023 /SC4	CEN/CLC/ETSI/JWG eAcc ISO/IEC JTC 1/SC 35 ISO/TC 173/SC 7/WG 6 ISO/TC 173/SC 7/WG 4
NSAI TC023 / SC5	CEN/CLC/JTC 12 ISO TC228/WG14 CEN/TC122 ISO/TC159 CEN/TC 452
NSAI TC023 / SC6	Ageing societies

4 Structure and Membership

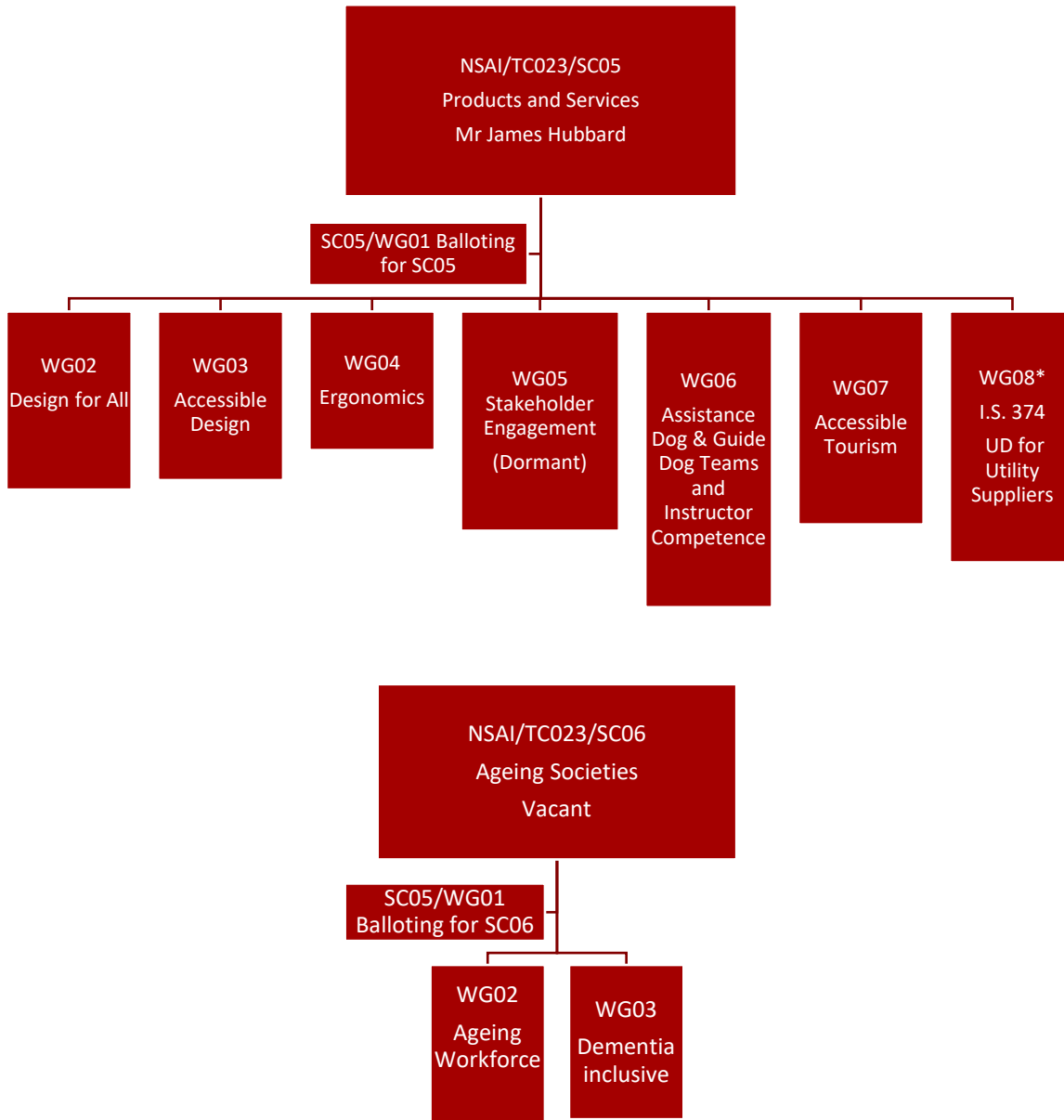
4.1 Structure

The Figure below illustrates the structure of the Committee:





NOTE: In the 2017 Report, a note referred to the establishment of a new WG05 under NSAI/TC023/SC04 to enable experts to participate in the development of a new deliverable – an EN on Curriculum for training ICT Professionals in Universal Design. This deliverable will be managed under NSAI TC 02/SC 13 "e-Competences and ICT Professionalism"



NOTE: In 2018 , WG08* was reactivated to commence work on the review and revision of SWIFT 9 which resulted in a new deliverable , I.S. 374 being developed with the same title and revised SCOPE and CONTENTS

4.2 Members

The list below informs the diverse stakeholders that are engaged in the work activities of NSAI/TC023 during 2018:

Organisation	Name	Role
NDA-CEUD	Dr Ger Craddock	Chairman of NSAI TC023

Trinity Haus- TCD	Mr Thomas Grey	Chairman of NSAI/TC023/SC01
NDA/CEUD	Mr Donal Rice	Chairman of NSAI/TC023/SC02
NDA/CEUD	Mr James Hubbard	Chairman of NSAI/TC023/SC05
Enable Ireland	Mr John Tiernan	Chairman of NSAI/TC023/SC04
NCBI		
DeafHear		
IWA		
Architects		
Government – Housing		
Commission for Regulation of Utilities		
Com Reg		
NALA		
Chartered Institute of Architectural Technologists	Representatives from these organisations	
Institute of Designers Ireland		
Irish Guide Dogs		
Irish Kennel Club		
Age & Opportunity		
Dogs for Disabled		
Inclusion Ireland		
Irish Water		
ESB Networks		
Bord Gais Energy		
SSE Airtricity		
Pinergy		
PrePay Power		
Energyia		
ICT Consultants		
Industry Consultants		
Universities		
Businesses		

5 Summary of 2018 Activities

5.1 National

5.1.1 Meetings

Committee members attended national meetings in NSAI and other locations including G2M (remote call in) during the year depending on the areas of work they were involved in.

5.1.2 National Work

In the Spring of 2018, following a review of SWIFT 9: Universal Design for Energy Suppliers, the committee was reactivated, and several meetings were held throughout the year. Great progress was made and by the end of 2018, the deliverable was presented for public consultation for uploading to YourStandardsYourSay.

5.2 International/Regional

Apart from the deliverable in NSAI/TC023/SC05/WG08, the work is primarily in the participation of committees at both regional (CEN/CENELEC) and international (ISO /IEC)

5.2.1 Meetings

A number of meetings were attended at regional level to represent the position/submissions on behalf of national committees in the following areas: CEN SAGA, CEN/CLC/JTC 11, CEN/CLC/JTC 12, CEN/TC 452, ISO TC228/WG14 and ISO/TC 314 . Participation by either F2F or remotely by G2M or Webex allowed for national committee members the opportunity to engage in these meetings.

5.2.2 International/Regional Work

CEN SAGA	Strategic Advisory Group on Accessibility
CEN/CLC/JTC 12	Design for All
CEN/CLC/JTC11	Accessibility in the built environment
CEN/CLC/ETSI/JWG	eAccessibility
CEN/TC122 & ISO/TC159	Ergonomics
CEN/TC 10/WG 7	Accessibility to lifts for persons including persons with disability
CEN/TC 452	Assistance Dogs & Guide Dog Teams Standards and Instructor Competence
ISO TC59/SC16	Accessibility in the built environment
CEN/TC293 & ISO/TC 173	Assistive Products
ISO TC228/WG14	Accessible Tourism
ISO/IEC/JTC1/SC35	Human Interfaces

5.2.3 International/Regional Standards Reviewed

See 5.2.2. above

5.3 Regulatory Development/Update

The proposed Accessibility Act (<https://ec.europa.eu/social/main.jsp?catId=1202>) is under development at European Commission and is now at its final stages in the European Parliament. It is foreseen that it will be finalised in 2019. The scope of this piece of legislation is to address the accessibility of specific products and services.

The Standard EN 301549¹ (functional requirements for ICT products) is being revised by CEN/CLC/ETSI/JWG at European level and the National Committee experts in NSAI TC023 /SC4 are monitoring and submitting comments on the standard. This Standard is addressing the requirements set out in Regulation 2016/2102 on accessibility of websites and mobile applications of public sector bodies. This regulation came into force on the 26th October 2016. Any *new* website of the public sector released after this date must comply with Web Content Accessibility Guidelines (WCAG) 2.0, Level AA by **23** December 2018. I.S. EN 301549 standard supports the Directive (EU) 2016/2102² (on the accessibility of the

¹ https://www.etsi.org/deliver/etsi_en/301500_301599/301549/02.01.02_60/en_301549v020102p.pdf

² <https://eur-lex.europa.eu/legal-content/en/TXT/?uri=CELEX%3A32016L2102>

websites and mobile applications of public sector bodies” requires public bodies to ensure their websites and apps are accessible to persons with disabilities.) All websites created after 23 September 2018 will have to be accessible by 23 September 2019. Existing websites will have to comply by 23 September 2020. All mobile applications will have to be accessible by 23 June 2021. In Ireland³ the Directive will be transposed into Irish law via Regulations that are currently being drafted by the Department of Communications, Climate Action and Environment.

6 Irish Publications/Reviews

6.1 Publications

The Committee did not publish any deliverables this year.

What may be of interest to stakeholders here in Ireland is the soon to be published EN 17161 Design for All – Accessibility following a Design for All approach in products, goods and services – Extending the range of users. This standard when published will be adopted by NSAI as I.S. EN 17161.

6.2 Reviews

The Committee reviewed Irish national deliverables SWiFT 9.

7 Work programme for 2019 onwards

In Europe approximately 16% of the population has a disability at some stage of their lives either short term or long term. Many of whom need and use assistive products in their daily lives such as walking aids and wheelchairs amongst others.

The number of older people is increasing as well as their proportion in the population, with the number of persons 60 years or over is expected to triple by 2050. The incidence of disability increases with age, so does the severity of impairments.

The whole society is aware of the importance of the accessibility due to the need of have access to products, services, buildings and related facilities for people with special needs and older persons.

The market is large and complex with a wide variety of products and services; many of which are technically advanced and of significant economic value.

On the negative side, it results in further barriers to people with disabilities and older persons.

On the positive side, there is potential for organisations to grow their business and increase market share by making their products accessible and usable by the widest range of users.

The Committee will continue to participate in regional and European work and the development of national deliverables to support the needs of persons following a Design for all Approach/ Universal Design principles.

NSAI/TC023 will support its membership to participate in the various projects at regional and international level.

It is also foreseen that as more and more technical committees at both regional and international level address accessibility in mainstream standards, that this committee will increase its stakeholder membership and work activities.

³ <https://www.dccae.gov.ie/en-ie/communications/topics/Digital-Strategy/web-accessibility/Pages/Web-Accessibility.aspx>

Examples of this work at national and regional level are:

1. I.S. 374 Customer Communications for Utilities – A Universal Design Approach (NSAI/TC23/SC5)
2. Curriculum for training ICT Professionals in Universal Design (NSAI TC 02/SC 13 "eCompetences and ICT Professionalism)
3. CEN/CLC/JTC11 Continue to submit comments on these 3 deliverables that are being developed under M/420 standardisation request. (via NSAI/TC23/SC01)
4. Revision of ISO 21542 under ISO/TC59/SC16 (via NSAI/TC23/SC01)
5. Participate in the work of CEN/TC452 and ISO/TC228/SC14 (via NSAI/TC23/SC5)
6. Participate in the work of ISO/TC 314 ageing societies (via NSAI/TC23/SC5)
7. CEN and CENELEC Work items to support the Accessibility Act

...end...