# Welcome to the Webinar - Information Session on the Standard on “Universal Design Dwellings”

17th April 2023

## Webinar – Housekeeping

The Webinar will be **recorded**

* ISL and captioning are provided
* There will be a 10 minute comfort break during the webinar
* Time has been allocated for Q & A session during the Webinar
* The Webinar recording will be available after the event

## Webinar – Housekeeping Cont

* NSAI will be monitoring the Q & A function
* If you have any questions please use this function during the Webinar
* There will be a Q & A session at the end of the webinar
* Chat function – is not being monitored

## Standard on Universal Design (UD) Dwellings

Webinar – Information Session, 17th April 2023 10am to noon

# Welcome

# Elizabeth O Ferrall

Project manager at NSAI & NSAI/TC23 Universal Design Standards Consultative Committee (UDSCC)

## NSAI – Role in standardisation

* NSAI is the National Standards Authority of Ireland
* Established under the NSAI Act of 1996
* [(http://www.irishstatutebook.ie/eli/1996/act/28/schedule/1/enacted/en/ht ml )](file:///\\dojfilecluster\home$\rowanl\My%20Documents\2023\Ruth%20O'Reilly\(http:\www.irishstatutebook.ie\eli\1996\act\28\schedule\1\enacted\en\ht%20ml%20))
* Facilitates stakeholders to participate in the development of standards at National, European (regional) and International level
* Governed by Regulation(EU) No 1025/2012 on standardisation [(https://eur- lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2012:316:0012:0033:EN:PDF](https://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ%3AL%3A2012%3A316%3A0012%3A0033%3AEN%3APDF) )

## Agenda

* Welcome and Introductions, Elizabeth O’Ferrall
* Overview of Universal Design and Standards, Gerald Craddock
* Background: Key existing Built Environment Standards, Tom Grey
* Why develop a standard for Universal Design Dwellings? Ruth O’Reilly
* **10 minute comfort break**
* Standard development process and timelines, Tom Grey
* Q & A
* Wrap Up and close, Ruth O’Reilly

## Welcome from the Chairs of the NSAI National Committee – NSAI/TC23

**Gerald Craddock,** Chair NSAI/TC23 Universal Design Standards Consultative Committee

**Tom Grey**, Chair NSAI/TC23/SC1 Accessibility of the built environment

**Ruth O’Reilly**, Chair NSAI/TC23/SC1/WG6 UD Dwellings

# Overview, Ger Craddock

## Centre for Excellence in Universal Design (CEUD)

The Centre for Excellence in Universal Design is the only statutory centre for Universal Design in the World

Physical and digital environments, services and systems

## Universal Design

Universal Design is the design and composition of an environment so that it can be **accessed**, **understood** and **used** to the greatest extent possible by all people, regardless of their age, size, ability or disability.

## Universal Design Systems Hierarchy

Macro:

Policy

Legislation

Standards

Meso:

Monitoring/Certification

Codes of Practice

Micro:

Resources/Toolkits

Training & Support

Adopted from NewSouth Wales Government Australia (with permission)

## NSAI/TC23 Universal Design Standards Consultative Committee (UDSCC)

**NSAI/TC023**

Chair of the NSAI/TC23/ is Dr Gerald Craddock (CEUD)

Sub Committee 1 – Built Environment

Sub Committee 2 – ICT

Sub Committee 3 – Products/Services

Sub Committee 4 – Assistive Technology

Sub Committee 5 – Products and services – range of users

Sub Committee 6 – Ageing societies

**Universal**

## NSAI/TC023/ Sub Committee1

## Accessibility of the Built Environment

Structure of the NSAI / TC023/ SC1 Accessibility of the Built Environment

Chair of NSAI / TC023/ Sub Committee 1 is Tom Grey, TrinityHaus, TCD

Sub Committee (SC)1 is composed of a number of working groups (WG).

Working Group 2 Mapped to CEN.CLC.JTC11

Working Group 3 Mapped to ISO/TC59/SC16

Working Group 4 Mapped to CEN/TC10 (Lifts)

Working Group 5 Mapped to ISO/TC314/Working group 7

Working Group 6 (UD Dwellings) was established to facilitate the development of the standard on “Universal Design (UD) Dwellings”. The Chair is Ruth O’Reilly, NDA

## Standards

National:

National Standards Authority Ireland (NSAI) - Universal Design Standards

Consultative Committee (UDSCC) – chair and co-ordinate 5 sub committees (SC’S) anda number of working groups (WG’s) in partnership with NSAI,

Develop and comment on standards

European:

CEN, CENELEC and ETSI – representing Ireland at chair and participant level in a number of standards committees

International:

International Standards Organisation (ISO) - Representing Ireland at chair and participant level in a number of standards committees.

ITU – International Telecommunications Union – participant in working groups re ICT and accessibility

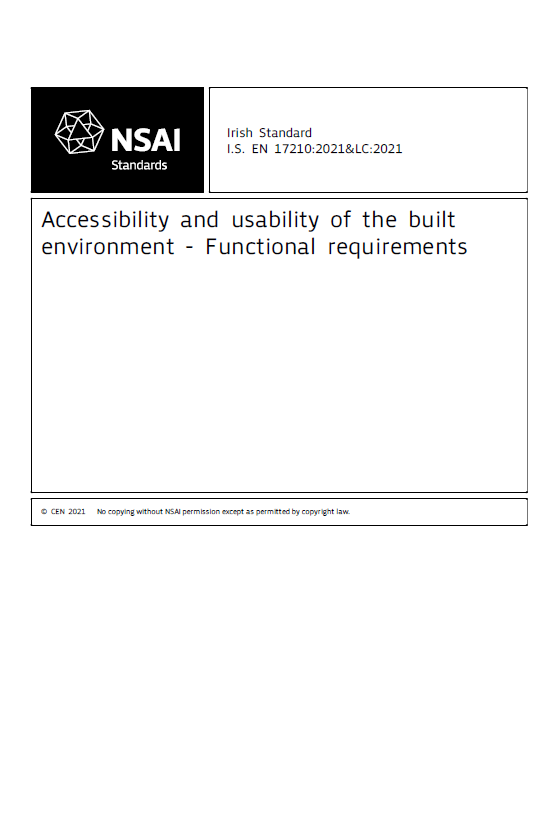
# Background:

# Key existing built environment standards, Tom Grey

## I.S EN 17210:2021

I.S. EN 17210:2021 and the two supporting documents are the adopted **Irish versions** of the 2021 European standards covering **Accessibility and usability of the built environment**

## Accessibility and usability of the built environment – Functional requirements

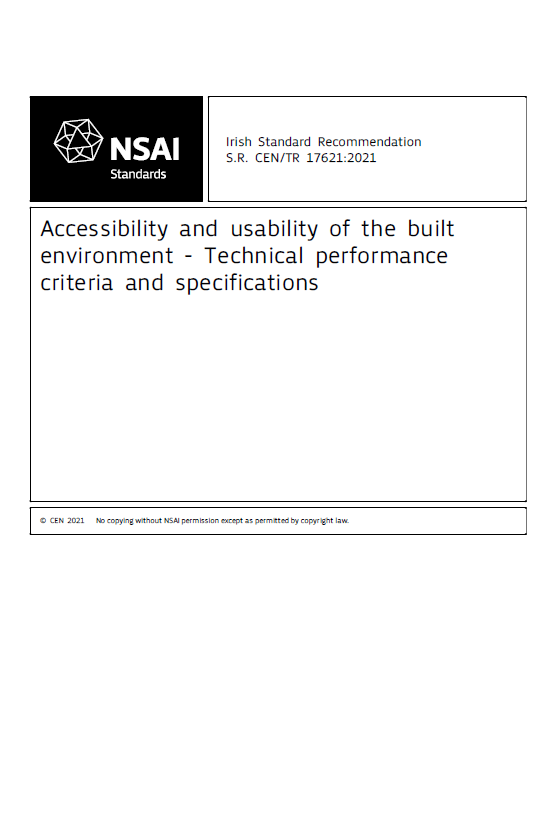


Common minimum **functional**

**requirements & recommendations**

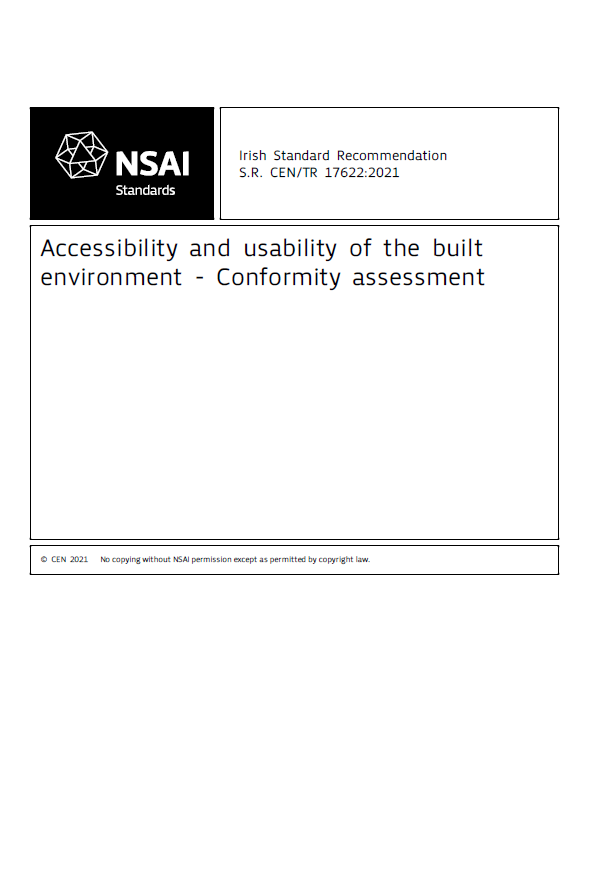
to achieve an accessible and usable built environment underpinned by Design for All/Universal Design

## Accessibility and usability of the built environment – Technical performance criteria and specification



**Technical performance criteria and specifications** to fulfil the functional requirements & recommendations of I.S. EN 17210

## Accessibility and usability of the built environment – Conformity assessment



**Criteria to assess conformity** of the built environment with the functional requirements & recommendations in I.S. EN 17210

## Public and Private Procurement

Support Of European Accessibility Requirements for Public and Private Procurement In the Built Environment

Why procurement is important: Public procurement as an example -

Every year, over 250 000 public authorities in the EU spend around 14% of GDP (around €2 trillion per year) on the purchase of services, works and supplies

In many sectors such as energy, transport, waste management, social protection and the provision of health or education services, public authorities are the principal buyers.

The public sector can use procurement to boost jobs, growth and

investment, and to create an economy that is more innovative, resource and energy efficient, and socially-inclusive.

<https://ec.europa.eu/growth/single-market/public-procurement_en>

## I.S. EN 17210: 2021 - 1 Scope

This document describes basic, minimum functional requirements and recommendations for an accessible and usable built environment, following "Design for All"/"Universal Design" principles which will facilitate equitable and safe use for a wide range of users, including persons with disabilities. The requirements and recommendations given in this document are applicable across the full spectrum of the built environment.

These functional accessibility and usability requirements and recommendations are relevant to the design, construction, refurbishment or adaptation, and maintenance of built environments including outdoor pedestrian and urban areas.

## Accessibility and usability of the built environment – Functional requirements

## Main Document Contents

Introduction

1. Scope
2. Normative references
3. Terms and definitions
4. Legal and policy
5. Diversity of users and design considerations
6. Wayfinding
7. Access in the outdoor environment
8. Arrival and departure areas – Parking areas
9. Horizontal circulation in buildings
10. Vertical circulation in buildings and outdoors
11. Specific indoor and outdoor areas, equipment and provisions
12. Sanitary accommodation
13. User interface, controls and switches
14. Fire safety for all -

Evacuation and emergency exits

1. Environmental conditions in buildings
2. Accommodation
3. Cultural, leisure and sport buildings
4. Administrative, service and employment buildings
5. Outdoor and urban areas
6. Transport facilities

## Accessibility and usability of the built environment – Functional requirements - Cont

## Top 6 lines show section 16 and 17 of the document and reads 16.1 General 16.2 Hotels, 16.3 Student accommodation and 116.4 Adaptable housing. Directly below this is a Diagram Description automatically generated which is high level guidance over 5 pages Finally below this is Section 16.4 of the document and reads as follows 16.4.6 Stairs in dwellings 16.4.7 Internal doors 16.4.8 Internal layout 16.4.9 Toilets and bathrooms 16.4.10 Kitchen 16.4.12 Outdoor space including gardens, terraces and balconies

# Why develop a Standard for Universal Design Dwellings?, Ruth O’Reilly

## Sustainable Cities and Communities

SDG 11: Make cities and human settlements **inclusive**, safe, resilient and sustainable.

## Census 2016

* 27.5% of households in Ireland with at least one person with a disability
* Increasing percentage of older people in our population – 15% in 2020, to reach 18% by 2030, 27% by 2050

## Housing Continuum

**An image of the housing with care continuum taken from the Age Friendly Ireland website. Looking at different types of housing - from living in mainstream housing in the community to supportive housing, to nursing home or other long-term care. 
Focus - looking at how we can extend the range of users of mainstream housing in the community – we know for example that research shows that the majority of people want to remain in their own home as they age, however this desire however is often challenged by their home not being suitable – essentially a mismatch between the person’s needs and preferences and the design of their home. 
**

## Part M, Minimum Requirements

**M1** Adequate provision shall be made for people to access and use a building, its facilities and its environs.

**TGD M 0.1 General**

The requirements of Part M (M1 – M5) aim to ensure that regardless of age, size or disability:

* New buildings other than dwellings are **accessible and usable**……
* New dwellings are **visitable**.

## Housing Options for our Ageing Population

**Action 4.6:** In partnership with industry, introduce measures to ensure that over a five year period delivery is increased to ensure that 30% of all new dwellings

are built to incorporate universal design principles to accommodate our ageing population.

## National Housing Strategy for Disabled People

Theme 1 – Accessible Housing and Communities

Outcomes: There is an increase in the provision of accessible housing for disabled people by the setting of local, need-related targets for all social housing providers using a universal design approach, as appropriate.

## Local Authority Development Plans

(source: Age Friendly Ireland)

**Carlow:** 5% min in excess of 20

**Dublin City:** 25% of apartments in excess of 10

**Donegal (draft):** 30% in excess of 7 (less than 7, at least 1 unit)

**Fingal (draft):** 10% Excess of 100 units (private) 30% social

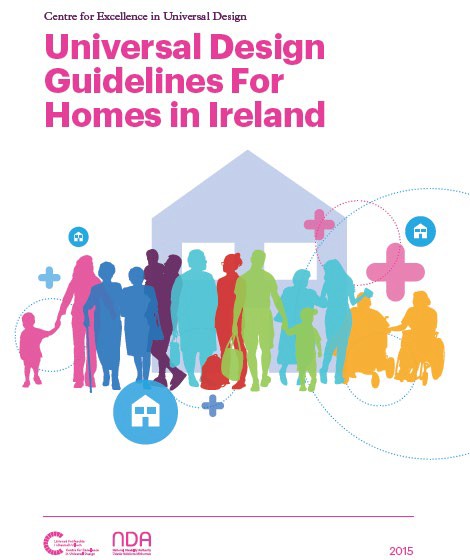
**Meath:** 5% in excess of 20 units

**Roscommon:** Minimum 10% in excess of 10 units

**Westmeath:** Minimum of 5% in excess of 20 units

**Wexford:** 20% of residential schemes in excess of 5

## Universal Design Guidelines for Homes in Ireland



## Examples of Additional Sources

Dementia Friendly Dwellings for People with Dementia, their Families and Carers, NDA

Best Practice Access Guidelines Designing Accessible Environments, IWA

Housing Design Guidelines for Occupational Therapists, AOTI

Selected European and international standards and guidelines

## Title and Scope of New Standard

## Title

Universal Design Dwellings – Requirements and recommendations.

## Scope of new standard

The scope defines what the standard will include.

It also informs the reader of the document what is excluded from the standard.

## Scope of new standard (1)

This document specifies requirements and recommendations for new dwellings through a Universal Design approach – dwellings that can be accessed, understood and used by all people to the greatest extent possible, regardless of their age, size, ability or disability.

This document specifies requirements and recommendations for the design of accessible, usable, flexible and adaptable Universal Design Dwellings, ranging from apartments to individual houses.

## Scope of new standard (2)

It includes external access routes to dwellings, parking, communal areas, entrances and circulation areas within dwellings, key rooms and facilities within dwellings and private open spaces.

This document provides requirements and recommendations for two categories of Universal Design dwellings.

## Scope of new standard (3)

This document can be used for assessing the design of existing dwellings and to inform retrofit and refurbishments.

This document can be used for purpose-designed dwellings or residential facilities for older or disabled people but does not include requirements for assistance, health and social care facilities that may be required in these settings.

## Comfort Break Back in 10 mins

## Standards Development Process and Timelines, Tom Grey

## Intended users of this Standard

* Government departments and agencies
* Local Authorities
* Public and Private Procurement
* Built-Environment Design Professionals
* Builders & Developers
* Access Consultants
* And others

## Stakeholders participation at National level

All stakeholders/interested parties are encouraged to participate in this work [https://www.nsai.ie/standards/standards- committees/get-involved-in-standards- development/](https://www.nsai.ie/standards/standards-committees/get-involved-in-standards-development/)

NSAI process is that standards are developed by **consensus.**

## Expectations & Requirements for Engagement and participation

1. Through the NSAI National Committee NSAI/TC 023/SC 01/WG6 ” UD Dwellings”

* Attendance at meetings
* Participation in discussions
* Review of draft, submission of comments on the draft

## Consultation Phase

1. Public Consultation Phase (Public enquiry ) – open to persons outside the committee (NSAI/TC 023/SC 01/WG6 )

* Via consultation workshops
* Via the commenting phase
* NSAI open platform called ”Your Standards Your Say ( YSYS) -<http://www.nsainep.ie/>

## Timelines for the development of the Standard

**May 2023 – Kick off meeting of the** NSAI/TC 023/SC 01/WG6 ”UD Dwellings”

**May – September 2023** – Development of the draft content

**October 2023** – Finalisation of text & preparation for sending to Public Enquiry

**November 2023 – January 2024** – Public Enquiry /Consultation Period

**January 2024** – End of Public consultation period

**February – April 2024** – Review of comments submitted & updating of draft

**May – July 2024** - Finalisation of content of standard

**July - Oct 2024** – to editing, NSAI approval process

**November 2024** - **January 2025** – Publication

## Next Steps

Register your interest on the NSAI Membership platform [https://www.nsai.ie/standards/standards-committees/get-involved-in- standards-development/](https://www.nsai.ie/standards/standards-committees/get-involved-in-standards-development/)

**KICK OFF MEETING 2nd MAY 2023**

Work commences on developing the content of the proposed standard using a baseline document

**BETWEEN MEETINGS**

Committee members are required to review draft text, submit comments on draft text

**DURING MEETINGS**

Review comments submitted and agree revised text

Make notes/observations

## Participation in NSAI/TC 023/SC 01/WG6 ” UD Dwellings”

If you want to join this work and the Technical Committee

You need to Register on the NSAI Standards Membership platform

Register your interest in becoming a member of the Committee at this link :

[https://www.nsai.ie/standards/standards-committees/get- involved-in-standards-development/](https://www.nsai.ie/standards/standards-committees/get-involved-in-standards-development/)

Once registered , your application will be assessed.

## Q&A Session, Fíonnadh McGonigle

## Wrap Up, Ruth O’Reilly

## Meeting Dates – NSAI/TC23/SC1/WG6

Kick off Meeting - Tuesday 2nd of May, 14.30 to 16.00

2nd Meeting -Tuesday 30th May 14.30 to 16.30

Meetings will be held via Zoom

Further meetings will be planned in June through September

## Thank you all for participating

Questions to Elizabeth O’Ferrall, NSAI, [Elizabeth.OFerrall@nsai.ie](mailto:Elizabeth.OFerrall@nsai.ie)

## Close of Session