



NSAI
Standards

Annual Report 2020

NSAI ETC TC 20

National Standards Authority of Ireland (NSAI)
Electrotechnical Committee (ETC) Technical Committee (TC) 20

Smart Grids, Renewables, Electric Vehicles, Energy Efficiency and Energy Storage

1. Scope

Working under the direction of the NSAI ETC Technical Management Committee, ETC TC20 is responsible for coordinating the Irish input to the standardization work of the IEC and CENELEC in the areas of smart grids, renewable energy, electric road vehicles, energy efficiency and energy storage.

1.1. International TCs Mirrored

These are the following committees mirrored in full or in part by the TC:

- CLC TC 8X – Systems aspects of electrical energy supply
- CLC TC13 – Electrical energy measurement and control
- CLC TC21X – Secondary cells and batteries
- CLC TC22X – Power electronics
- CLC TC23H – Industrial plugs and socket outlets
- CLC TC 57, IEC TC57 – Power systems management and associated information exchange
- CLC TC 64 – Electrical installations and protection against electric shock
- CLC TC 69X – Electric systems for electric road vehicles
- IEC TC 69 – Electrical power/energy transfer systems for electrically propelled road vehicles and industrial trucks
- IEC TC 72 – Automatic electrical controls
- CLC TC82, IEC TC 82 – Solar photovoltaic energy systems
- CLC TC 88, IEC TC 88 – Wind Energy
- CLC TC 95X – Measuring relays and protection equipment
- IEC TC 120 – Electrical Energy Storage (EES) Systems
- CEN-CLC-ETSI Smart Energy Grid Co-ordination Group (SEG-CG)
- CEN-CLC-ETSI Smart Meters Co-ordination Group (SM-CG)

1.2. Irish Industry/Sector

This TC follows topics related to Smart and Renewable Energy and its related electrical implications. This is a large and quite diverse area affecting the electricity sector for Ireland and Europe.

2. Review of the Year 2020

The committee had some changes to the membership during the year with some members retiring and being replaced by some new ones.

In line with the change of membership, the scope of this committee was reviewed, and it was felt that the area of renewables and energy storage is of more interest to the current members and to Ireland in general. This led to a review of the IEC and CENELEC committees which the group is following.

3. NSAI ETC TC 20 Membership 2020

Name	Organisation represented	Role
Gerard Buckley	Utility Consultancy Partners	National chairperson
Noleen Campbell	NSAI	National secretary
Kieran Beausang	ESB	National committee member
Martin Betz	Glen Dimplex	National committee member
Tomas Blodau	Consulting Engineer	National committee member
Patricia Brown	Electric Power Research Institute (EPRI) Europe	National committee member
Raymond Byrne	Dundalk Institute of Technology	National committee member
Gerard Eastwood	IET	National committee member
Robert Fenlon	UCD Connect	National committee member
John Fitzgerald	Impact 9	National committee member
Patrick Foley	ESB	National committee member
John Ging	Eirgrid	National committee member
Tony Hearne	ESB	National committee member
Gerard Hurley	NUI Galway	National committee member
Eugene McKeown	RPS Group	National committee member
Brendan McMahon	ESB	National committee member
Mohammad Mousavi	RPG Power Systems	National committee member
Conor Mullaney	Glen Dimplex	National committee member
Martin Murnane	Analog Devices	National committee member

Kevin O'Connor	ESB	National committee member
Michael O'Donovan	Cork Institute of Technology	National committee member
John O'Halloran	ABB	National committee member
Hugh O'Kelly	Mott McDonald	National committee member
Kevin Niall	ESB	National observer
<i>New Members</i>		
Robert Lynch	University of Limerick	National committee member
<i>Retired Members</i>		
Liam Mulligan	Consultant	National committee member
Laura Plunkett	Single Electricity Market Operator (SEMO)	National committee member
Sean McGuinness	EPRI	National observer

4. International Meetings

Committee members attended international CENELEC (CLC) and IEC meetings as follows:

Committee Name	Location	Date	Name of Attendee
IEC /TC 88/WG 15	Virtual Meeting	tbc	Tomas Blodau
IEC /TC 69	Virtual Meeting	February, 2020	Martin Murnane
IEC /TC 57	Virtual Meeting	14 May, 2020	John Ging
IEC /TC 120/ WG 01	Virtual Meeting	28 May, 2020	Hugh O'Kelly
IEC /TC 120/ WG 01	Virtual Meeting	14-15 July, 2020	Hugh O'Kelly
IEC /TC 88 /PT 61400-11-2	Virtual Meeting	8 September 2020	Eugene McKeown
IEC /TC 88 /PT 61400-11-2	Virtual Meeting	22 September 2020	Eugene McKeown
IEC /TC 88 /PT 61400-11-2	Virtual Meeting	12-13 October 2020	Eugene McKeown
CENELEC /TC 8X	Virtual Meeting	25 November 2020	Tony Hearne
IEC /TC 120/ WG 01	Virtual Meeting	2-4 December, 2020	Hugh O'Kelly

5. National Meetings

Committee members attended the following national meetings in NSAI as follows:

Meeting No.	Date	Minutes Reference
1	04 Mar 2020	N0648
2	27 Aug 2020	N0655

6. Programme for Coming Year 2021

The committee plans to give members the opportunity to host meetings at their own locations and to also incorporate a site visit when the COVID-19 restrictions have been removed. This will allow for, not only, a change of location to suit some distant members but also as an opportunity to gain some working knowledge of certain sectors.

7. Additional Information

The photo of the committee is below:

