



NSAI
Standards

Annual Report 2018

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:

- IEC TC 8 – Systems aspects of electrical energy supply
- IEC TC13 – Electrical energy measurement and control
- IEC TC21 – Secondary cells and batteries
- IEC SC22F – Power electronics for electrical transmission and distribution systems
- IEC TC23/SC23H – Industrial plugs and socket outlets
- IEC TC 57 – Power systems management and associated information exchange
- IEC TC 69 – Electric road vehicles and electric industrial trucks
- IEC TC 82 – Solar photovoltaic energy systems
- IEC TC 88 – Wind Energy
- IEC TC 95 – Measuring relays and protection equipment
- IEC TC 120 – Electrical Energy Storage Systems
- CLC TC 8X – Systems aspects of electrical energy supply
- 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 2018

The committee had some changes to the membership during the year with some members retiring and being replaced by some new ones. Overall the number of members participating in the work of the committee has increased.

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.

At each of the committee meetings, presentations were provided on a range of interesting and current topics including I-SEM (Integrated Single Electricity Market), Dingle Smart Grid Project and Battery Storage. This provided a unique opportunity for the members to address questions to the experts and find out more about interesting and emerging technologies.

3. NSAI ETC TC 20 Membership 2018

Name	Organisation represented	Role
Gerard Buckley	Utility Consultancy Partners	National chairperson
Noleen Campbell	NSAI	National secretary
Kieran Beausang	ESBI	National committee member
Martin Betz	Glen Dimplex	National committee member
Tomas Blodau	Consulting Engineer	National committee member
Raymond Byrne	DKIT	National committee member
Gerard Eastwood	The Institution of Engineering and Technology IET	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	NUIG	National committee member
Kenny McDonnell	ENERCON	National committee member

Eugene McKeown	RPS Group	National committee member
Brendan McMahon	ESB	National committee member
Conor Mullaney	Glen Dimplex	National committee member
Liam Mulligan	Consultant	National committee member
Martin Murnane	Analog	National committee member
Michael O'Donovan	CIT	National committee member
John O'Halloran	ABB	National committee member
Hugh O'Kelly	Mott McDonald	National committee member
Anthony Walsh	ESB	National committee member
Sean McGuinness	EPRI	National observer
Kevin Niall	ESB	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 WG15	Bremen, Germany	25-28 June 2018	Tomas Blodau
IEC PT 61400-12-4	Madrid, Spain	11-13 Sept 2018	Tomas Blodau
IEC Young Professionals Programme	Busan, South Korea	22-24 Oct 2018	Kieran Beausang

5. National Meetings

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

Meeting No.	Date	Minutes Reference
1	21 Feb 2018	N0611
2	31 May 2018	N0616
3	03 Oct 2018	N0623

6. Programme for Coming Year 2019

The committee plans to incorporate a site visit into each of its meetings in 2019. 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:

