



NSAI

ANNUAL REPORT 2018

NSAI TECHNICAL COMMITTEES
(TCS)

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1 Chairman's Statement

This year marks a productive first year in the context of the NSAI Electrotechnical Committee (ETC) and its underlying technical committees. The electrotechnical standards function was competently provided by the Electrotechnical Council of Ireland (ETCI) since 1970, an organisation that successfully established an efficacious network of technical committees. With the transition of ETCI committees to NSAI in 2017, hundreds of Irish experts continue to provide their experience on a voluntary basis for the benefit of Ireland's electrotechnical industry.

The NSAI ETC covers the all aspects of electrotechnical standardisation. We encounter standards throughout all aspects of our daily lives. These standards cover many areas including electrical installations, household products, internet devices, mobile phones, energy systems and cars. The development of standards for products and services is essential for ensuring consumers benefit from greater convenience, compatibility, efficiency, safety and environmental performance characteristics. For example, some of the standards produced by the ETC are required to support the safety of our electrical installations. Standards are mandated by many European Directives, ensuring the freedom of movement of goods and services across the European Union and worldwide.

The world today is experiencing a wave of innovation as part of the 4th Industrial Revolution. Innovation is being driven by new emerging technologies in the field of electrical and electronic engineering. 100 plus experts on the technical committees of the ETC continue to actively participate in establishing standards to support the standardisation of emerging technologies and industries. We are grateful to all our experts who volunteer their time and the NSAI who efficiently provide the secretariat function to our committees.

2 Introduction

NSAI has established the consultative Electro Technical Committee (ETC) to advise NSAI on technical and policy matters concerning Ireland's membership of the International Electrotechnical Commission (IEC) and European Committee for Electrotechnical Standardization (CENELEC), the formulation of Irish Standards and the establishment and maintenance of the infrastructure of NSAI national mirror Technical Committee. The membership of the ETC is composed of key stakeholders/collective bodies that provide an authoritative and representative voice or policy role in the electrical sector.



The industry currently has 543 number of experts involved in international work

3 Scope of TC

The NSAI ETC extends to all areas of electro-technology covered by the IEC and CENELEC, and to the extent from time to time agreed with NSAI, certain areas of the work of the European Telecommunications Standards Institute (ETSI), the International Organization for Standardization (ISO) and the European Committee for Standardization (CEN) or other relevant standards organisations.

The committee does not mirror international committees; Its function is to provide oversight to the following technical committees

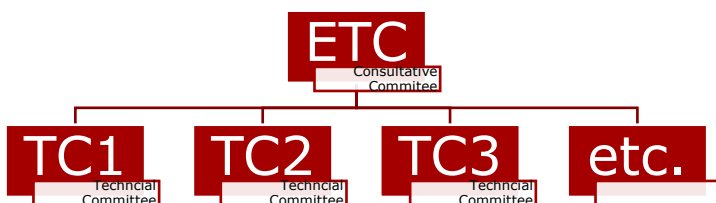
Committee Name	Committee Title
NSAI ETC TC1	Safety of Electrical Appliances

NSAI ETC TC2	Electrical Installations less than 1kV
NSAI ETC TC3	Power Installations exceeding 1kV
NSAI ETC TC4	Switchgear and Controlgear
NSAI ETC TC6	Equipment for Potentially Explosive Atmospheres
NSAI ETC TC10	Electrical Installations in Medical Locations
NSAI ETC TC11	Safety of Electronic Equipment
NSAI ETC TC12	Electronic Communication Systems
NSAI ETC TC13	Alarm Systems
NSAI ETC TC14	Electric Cables
NSAI ETC TC15	Human Exposure to EMF
NSAI ETC TC16	Electromagnetic Compatibility
NSAI ETC TC18	Marine Energy Wave, Tidal
NSAI ETC TC19	Insulators and Surge Arresters
NSAI ETC TC20	Smart Grids, Renewables, Electric Vehicles
NSAI ETC TC21	Electrostatics
NSAI ETC TC22	Environmental Standardisation for Electronic and Electronic Products and Systems

4 Structure and Membership

4.1 Structure

The Figure below illustrates the structure of the Committee:



4.2 Members

The list below are the members for the year

Organisation	Name	Role
Compliance Engineering Ireland	McAuley, John	Chairperson
NSAI	Hickey, Stewart	Secretary
Independent Consultant	Buckley, Gerard	Member

Health and Safety Authority	Delaney, Padraig	Member
Electrical Contractors Association	Downey, Sean	Member
Chartered Institution of Building Services Engineers (CIBSE)	Dunn, Charles	Member
Dublin City Council	Dunne, Paul	Member
Electrical Contractors of Ireland	Flanagan, Brian	Member
Association of Electrical Wholesalers of Ireland	Hand, Martin	Member
ESB Networks	Harney, Adrian	Member
Commission for Regulation of Utilities	Joyce, Loretta	Member
Electrical Manufacturers and Distributors Association	Keogh, Mark	Member
The Competition and Consumer Protection Commission (CCPC)	Kieran, Helen	Member
Registered Electrical Contractors of Ireland/Safe Electric	Martin, Pierce	Member
NSAI	McDonnell, Enda	Member
The Institute of Engineering and Technology (IET)	McLoughlin, Chris	Member
Commission for Communications Regulation (Comreg)	Moran, Peter	Member
Office of Public Works (OPW)	O'Sullivan, Jim	Member
Dublin Institute of Technology (DIT)	Sunderland, Keith	Member
NSAI	Tallon, Justin	Member
NSAI	Wylde, Yvonne	Member
Eir	Wynne, Owen	Member

5 Summary of 2018 Activities

5.1 National

5.1.1 Meetings

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

Meeting No.	Date	Minutes Reference
1	18 Jan 2017	N0007
2	8 May 2018	N0020
3	18 Sept 2018	N0025

5.1.2 National Work

Highlights and decisions for 2018 included:

- three national meetings at NSAI, meaning a total of six meetings have now taken place since the formation of the ETC on the 20th March 2017.

- Welcome of new members to the committee including the Competition and Consumer Protection Commission (CCPC), the Institute of Engineering and Technology (IET), the Chartered Institution of Building Services Engineers (CIBSE), Safe Electric and the Commission for Communications Regulation (Comreg).
- Thanks to Mr. Jim Rice for his many years' service as Chairman of ETCI's TC4 and his contribution to ETCI's Technical Management Committee and the ETC
- Approval of Amendment 3 concerning Supplies for Electric Vehicles to the National Wiring Rules (i.e. ET101:2008) published in May 2018.
- Development and approval of the Wiring Rules Fund Travel Guidance Instruction which establishes the basis for the funding and financial supports necessary to support the Electrical Installation Standards Programme (EISP).
- Approval of the nominations of Charles Dunn, Dominic Robinson and Ray Alcorn as the new Chairpersons of ETC TC2, ETC TC14 and ETC TC18 respectively.
- Approval of I.S.10101:20xx (i.e. the first new Wiring Rules Standard under NSAI) for public consultation in November 2018.

5.2 International/Regional

5.2.1 Meetings

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

Committee Name	Location	Date	No. of Attendees
158 th CENELEC BT	Brussels	7/8 Feb 2018	1
159 th CENELEC BT	Brussels	29/30 Mar 2018	1
CENELEC Annual meeting	Bled, Slovenia	20-22 June 2018	2
160 th CENELEC BT	Toulouse, France	10/11 Oct 2018	1
IEC General meeting	Busan, Korea	Oct 22-27 2018	4

5.2.2 International/Regional Work

Highlights for 2018 included:

- Briefing of the Permanent Delegate to the 158th meeting and 159th meeting of the CENELEC Technical Board (BT) held in Brussels on the 7/8 February and the 29/30 May respectively.
- ETC members participated in the selection of Young Professionals for the IEC Young Professionals Programme for which two Irish delegates travelled to the IEC Young Professionals Workshop held in Busan, (South Korea) in October 2018.
- Informing of the Permanent Delegate prior to the 160th meeting of CENELEC Technical Board (BT) held in Toulouse France on the 10/11 October 2018
- Briefing of the National Secretary in advance of the IEC Annual General Meeting held in Busan in October 2018

5.2.3 International/Regional Standards Reviewed

International/Regional standards reviewed are provided in respective technical committee (TC) reports.

5.2.4 International/Regional Voting Results

International/Regional voting results are provided in respective TC reports.

5.3 Regulatory Development/Update

Regulatory developments associated with each ETC TC are provided in respective TC reports.

6 Irish Publications/Reviews

6.1 Publications

The Committee published Amendment 3 to the National Wiring Rules (i.e. ET101:2008) concerning Supplies for Electric Vehicles this year.

6.2 Reviews

Approval of a new NSAI S\R publication based on the I.S. EN 61936-1-2010+A1-2014 with grey box additions showing deviations\special characteristics for Ireland.

Approval of I.S.10101:20xx for public consultation was successfully complete in November 2018. I.S.10101:20xx will be the first new Wiring Rules Standard published under NSAI in 2019.

7 Work programme for 2019 onwards

For 2019, NSAI ETC will continue its work in support of the Technical Committees, approve the circulation and publication of new NSAI publications, and provide direction to the Permanent Delegate to the CLC Technical Board. Members will advise NSAI concerning new Work Areas in electrotechnical standardisation and provide oversight in relation to technical committees' use of the ETC Travel Fund.

8 Additional Information

The photograph below was taken at NSAI on the 14th September 2018

