ANNUAL REPORT 2025

NSAI TECHNICAL COMMITTEES (NSAI/ETC "ELECTROTECHNICAL COMMITTEE")

Contents

1 Chair Statement

As we enter 2026, I am pleased to present my report for 2025. I can report that the NSAI Electrotechnical Committee and sub committees continue to grow. The NSAI/ETC has 16 highly active technical committees.

We continue to have good participation at our meetings with membership and activity growing across the technical committees.

Electricity and electronic technologies play an ever-greater role in the developing world. These technologies can only function efficiently via standardisation which provides the framework for products and systems to function to the benefit of the developed and developing worlds. The challenges of climate change and digital transformation can only be addressed with good standardisation. The standardisation community in Europe and internationally brings together diverse interests, forges consensus and provides solutions to the challenges. Digital transformation is also re-shaping the future with advances in telecommunications and data handling in ways we could have never imagined. These advances present challenges in terms of implementing the technologies and ensuring the safety of users.

The International Electrotechnical Commission (IEC) General Meeting in September 2025 was attended by nearly 2000 experts from 166 countries. IEC membership includes around 170 countries representing 99% of the world's population and impacts nearly 20% of global trade in value. The IEC General Meeting was held in New Delhi with three themes:

- enabling an all-electric and connected society,
- fostering a sustainable world, and
- leading on trust, inclusion and collaboration.

The meeting recognised the importance of delivering an all-electric and connected society for all societies worldwide which also strengthens the role of IEC Standards as the world moves towards a digital and low carbon future the all-electric and connected society.

Electricity is central to a sustainable future:

It is the most transportable, controllable and clean, particularly if generated through renewable sources. Renewables now represent over 40% of electricity production in Ireland and it is very important contributor to the journey to decarbonisation.

European Committee for Electrotechnical Standardization (CENELEC) has a strategic agenda for 2021-2030 within the context of the twin digital and green transitions, to ensure that our standardisation systems and services drive a transformative growth trajectory that Europe has embarked upon. CENELEC is optimizing the way they create value for customers and stakeholders in a rapidly changing world. European Union (EU) and European Free Trade Association (EFTA) recognize and use the strategic value of the European standardization system.

The European Committee for Standardization (CEN), CEN-CENELEC Work Programme highlights three horizontal business topics:

- Accessibility,
- Sustainability, and
- Conformity Assessment.

The CEN and CENELEC Strategy 2030 identifies five strategic goals for CEN and CENELEC to focus on:

1. EU and EFTA to recognize and use the strategic value of the European standardization system

2. Customers and stakeholders of CEN and CENELEC to benefit from state-of-the-art digital solutions
3. The use and awareness of CEN and CENELEC deliverables to increase
4. The CEN and CENELEC system to be the preferred choice for standardization in Europe
5. The leadership and ambition of CEN and CENELEC at the international level to be strengthened

In addition to existing mandates to produce standards supporting EU Directives, CENELEC is supporting standardisation in cyber security and artificial intelligence.

This is the subject of new European legislation in the form of the Cyber Resilience Act (CRA) and the Artificial Intelligence (AI) Act. One of the most significant milestones this year was the launch of the Radio Equipment Directive (RED) cybersecurity requirements on August 1, 2025. This marks a major step forward in ensuring the security and resilience of radio equipment in an increasingly connected world. The existing CENELEC standards will be subsumed into the CRA.

The EU AI Act is the world's first comprehensive law for Artificial Intelligence, to ensure AI systems in Europe are safe, transparent, and respect fundamental rights.

CEN and CENELEC has decided to cooperate with the EU FP10 10th Framework Programme for R&D&I. CEN and CENELEC will coordinate input from members and technical bodies to address new areas of standardisation and to address the challenges facing the production of standards to support EU Directives. One subject that is being advanced is a project to help with the EC concern regarding alternative test methods for Electromagnetic Compatibility (EMC) emissions testing.

The requirement for European public access to harmonised European standards referenced in EU legislation is being addressed by CENELEC and Member states, with specified standards being made available on-line for free viewing. However, the number of new harmonised standards being published remains limited due to slow progress in complying with the harmonised assessment process. The requirement that standards referenced in legislation should be made publicly available raised copyright issues within the Standardisation system.

For the electrotechnical sector, 2026 promises to be a year of progress and growth. Our experts are giving their commitment and valuable collaboration to standardisation and are supporting the European and IEC policy priorities with excellent participation from Irish industry. Thanks to the work of our many experts, we will continue our long tradition in supporting Irish industry to access world markets and meet the challenges presented by new technologies.

John McAuley

Chair of NSAI/ETC Committee

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.

3 Scope of TC

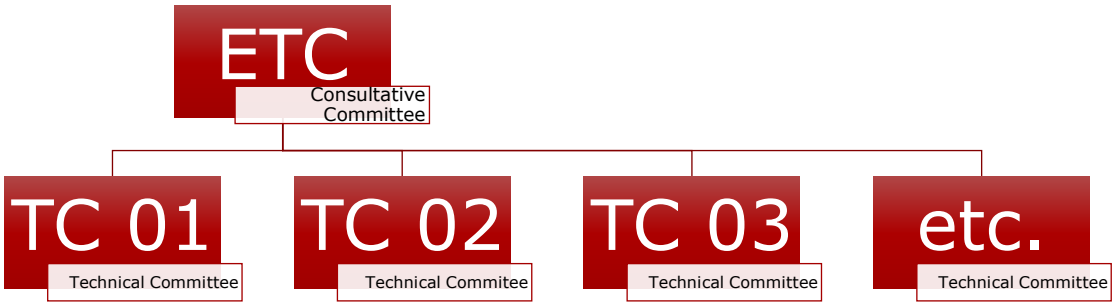
The NSAI/ETC extends to all areas of electro-technology covered by the IEC and CENELEC, and to the extent from time to time agreed with NSAI, certain areas of the work of the European Telecommunications Standards Institute (ETSI), the International Organization for Standardization (ISO) and the European 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/TC 01	Safety of household and similar electrical appliances
NSAI/ETC/TC 02	Electrical Installations
NSAI/ETC/TC 03	Power installations exceeding 1kV (1.5kV dc)
NSAI/ETC/TC 04	Switchgear, control gear and associated equipment
NSAI/ETC/TC 06	Equipment for potentially explosive atmospheres
NSAI/ETC/TC 10	Electrical equipment in medical practice
NSAI/ETC/TC 11	Safety of Electronic Equipment within the field of Audio/Video, Information Technology and Communication Technology
NSAI/ETC/TC 12	Electronic Communications Systems
NSAI/ETC/TC 13	Alarm systems
NSAI/ETC/TC 14	Electric cables
NSAI/ETC/TC 15	Human exposure to electromagnetic fields
NSAI/ETC/TC 16	Electromagnetic Compatibility
NSAI/ETC/TC 18	Marine energy - Wave, tidal and other water current converters
NSAI/ETC/TC 20	Smart Grids, Renewables, Electric Vehicles and Energy Efficiency
NSAI/ETC/TC 21	Electrostatics
NSAI/ETC/TC 22	Environmental Standardization for Electrical and Electronic Products and Systems
NSAI/ETC/RCDTF	Residual Current Devices Task Force

4 Structure and Membership

4.1 Structure

The Figure below illustrates the structure of the Committee:



4.2 Members

The table below lists the members represented on the committee for the year:

National **CHAIR**	CEI	Compliance Engineering Ireland Ltd.
National **PRESIDENT**	NSAI	National Standards Authority of Ireland
National **SECRETARY**	NSAI	National Standards Authority of Ireland
ASSISTANT SECRETARY	NSAI	National Standards Authority of Ireland
National committee member	ACEI	Association of Consulting Engineers of Ireland
	AECI	Association of Electrical Contractors Ireland
	AEW	Association of Electrical Wholesalers
	CCPC	Competition and Consumer Protection Commission
	CIBSE	Chartered Institution of Building Services Engineers
	Comreg	Commission for Communications Regulation
	CRU	Commission for Regulation of Utilities
	DCC	Dublin City Council
	TUD	Technological University Dublin
	ECA	Electrical contractors Association in Ireland
	EIFI	Electrical Industries Federation of Ireland
		Eir
	EMDA	Electrical manufactures and Distributors Association
	ESB	Electricity Supply Board
	HSA	Health & Safety Authority
	IET	Institution of Engineering & Technology
		Independent Consultant
	NSAI	National Standards Authority of Ireland
	OPW	Office of Public Works
		Safe Electric
	SOLAS	Future Education and Training
National committee Observer		Chair NSAI/ETC/RCDTF
		Chair NSAI/ETC/TC 01
		Chair NSAI/ETC/TC 02
		Chair NSAI/ETC/TC 03
		Chair NSAI/ETC/TC 04
		Chair NSAI/ETC/TC 06
		Chair NSAI/ETC/TC 10
		Chair NSAI/ETC/TC 11

Chair NSAI/ETC/TC 12
Chair NSAI/ETC/TC 13
Chair NSAI/ETC/TC 15
Chair NSAI/ETC/TC 18
Chair NSAI/ETC/TC 20
Chair NSAI/ETC/TC 21

5 Summary of 2025 Activities

5.1 National

5.1.1.1 Meetings

Committee Members attended the following National meetings in NSAI as follows:

Meeting No.	Date	Minutes Reference
1	2025-02-27	N0289
2	2025-05-08	N0303
3	2025-09-11	N0312

NSAI/ETC/WG 01 "HV & LV earthing Systems" did not hold any meetings in 2025.

5.1.2 National Work

Highlights and decisions for 2025 included:

- Three national Hybrid meetings in NSAI offices and using MS Teams took place, meaning a total of Twenty-Seven meetings have now taken place since the formation of the NSAI Electrotechnical Committee on the 20th March 2017.
- The committee welcomed a Solas representative onto the committee.
- The IEC General meeting took place in New Delhi, India with good Irish representation at the meeting, both on the governance and technical side.
- NSAI continues to participate in the CENELEC BT and various working groups under the CENELEC BT.
- NSAI continues to participate in the high-level forum (HLF) which was established in Europe to work on the Annual Union Work Programme.
- The EISP travel fund was used 13 times in 2025, to allow Irish experts to attend and participate in international meeting.

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
179th CENELEC BT	Stockholm	11th & 12th March 2025	1
180th CENELEC BT	Prague	3rd & 4th June 2026	1
181st CENELEC BT	Brussels	14th & 15th October 2025	1
89th IEC General meeting	New Delhi	15th – 20th September 2025	6 (in person)

5.2.2 International/Regional Work

Highlights for 2025 included:

- NSAI/ETC/TC 01 continue to contribute to the work of IEC TC 61 & CLC TC 61, and also IEC TC 59 & CLC TC 59.

- NSAI/ETC/TC 02 John Clare was appointed as the Chair of NSAI/ETC/TC 02 Committee on the 15th of May 2025 for a 3-year term. The NSAI/ETC/TC 02 Queries group continue to address questions raised by the industry in relation to the National Rules for Electrical installations, answering 28 queries in 2025. Members of the committee travelled to participate in both IEC & CLC meetings. This increased engagement has led to Irish requirements being included in the standards currently under development.

  A selection of NSAI/ETC/TC 02 members took part in the IEC White Label beta testing pilot. This collaboration with IEC enables NSAI to offer digital SMART platforms to our customers. It is hoped that:

  - End users will benefit from digital standards whose content is tailored to their needs and constantly maintained up to date.
  - Manufacturers will integrate Smart Standards into their entire product and service lifecycles to accelerate development at a lower cost and ensure compliance with the latest applicable regulations.
  - Regulators will be part of the Smart ecosystem to ensure consistency between market driven standardization and policy guided regulations.
  - Standards developers will focus on content creation in a much more effective way by using advanced digital tools automating processes over the whole development lifecycle.

- NSAI/ETC/TC 03 members have travelled to participate in IEC & CLC meetings. Members attended the IEC/TC 99 Plenary meeting in person and members attended the CLC/TC99x plenary both in person and remote. Two members of the committee continue in their role a convenor of IEC/PC/128/WG 1 and IEC/PC/127 with other members participating on these WGs. IEC published TS 63527:2025 Safe management and operation of electrical installations. Members of the committee have been active in IEC in the drafting of this Technical Specification.

- NSAI/ETC/TC 04 Several members of the committee are active at both IEC and CLC level.

- NSAI/ETC/TC 06 The committee had a presentation on Certification & Inspection of Assemblies by Sean Clarke General Manager of Ex Veritas in April and a Lightning Protection Technology for Explosive Atmospheres (Electric Field Stabilization (EFS)) Presentation by Stephen Horsley in November. The WG within this committee continue to try to produce guidance which is hosted on the HSA website. The Subcommittee NSAI/ETC/TC 06/SC 01 are very active in CEN/TC 305.

- NSAI/ETC/TC 10 experts actively contribute to the work of IEC TC 62 and CLC TC 62, with extensive involvement in the working groups drafting the next edition of IEC 60601-1. Members also contribute to key projects in the area of Software for Medical devices and Artificial intelligence.

- NSAI/ETC/TC 11 continue to contribute to the work of IEC TC 108 & CLC TC 108X. Work continues in CLC/TC 108X to harmonise the 4th edition of EN IEC 62368-1:2024, with the work closely followed by members of NSAI/ETC/TC 11.

- NSAI/ETC/TC 12 continues to participate in IEC TC 46, IEC TC 86, with a primary focus on IEC TC 100 and CLC/TC 100X. 2025 saw the longstanding Chairperson of NSAI/ETC/TC 12 step down. NSAI thanked them for their contribution to the committee and standardisation activities over the years.

- NSAI/ETC/TC 13 the committee continues to participate in CENELEC TC 79 and is particularly active in the review of EN 50131-1 "Alarm systems - Intrusion and hold-up systems - Part 1: System requirements" which is fundamental to CLC/TC 79 and is undergoing an extensive review and restructure. NSAI has now withdrawn S.R. 45 "Remote monitoring of CCTV systems" and the committee will continue its review of S.R. 25 "Alarm Receiving Centres - Alarm Handling Procedures".

- NSAI/ETC/TC 14 the committee initiated a revision to I.S. 201-4:2013, Part 4: PVC and low smoke halogen free sheathed cables for fixed wiring in 2024.

- NSAI/ETC/TC 15 continues to monitor and contribute to the work programmes of IEC/TC 106, CLC/TC 106X and their working groups, including holding the convenorship of CLC/TC 106X/WG 2. Members attended meetings of IEC/TC 106 and CLC/TC 106X throughout 2025.

- NSAI/ETC/TC 16 The committee are active and continue to participate in CENELEC and IEC work. The Chair attended the 70th Plenary meeting of CENELEC TC 210 in Brussels on the 13th & 14th of May 2025 and the 71st Plenary meeting of CENELEC TC 210 in Milano, Italy (remotely). Member of the committee attended plenary meetings for CLC TC 47x on the 21st of January, IEC TC 47 in November in Japan, CLC TC 8x on the 26th of November, CLC TC 47x on the 4th of June. A full list of meetings attended is contained within the annual report.

- NSAI/ETC/TC 18 NSAI experts continue to play a leading role in the work of IEC/TC 114. The IEC/TC 114 plenary meeting for 2025 was held in Dublin, Ireland and was co-hosted between NSAI and Dublin City University (DCU). National delegations from over a dozen countries, met in NSAI offices and on the DCU campus from the 14th – 17th of April 2025. The committee contributed to the publication of IEC TS 62600-201:2025 - Marine energy - Wave, tidal and other water current converters - Part 201: Tidal energy resource assessment and characterization.

- NSAI/ETC/TC 20 following efforts in 2024 and 2025 to descope areas with no engagement, it remains the committee with the largest number of international counterparts within the ETC sector. This reflects the extensive scope of its work and stands as a testament to the dedication and hard work of its members.

- NSAI/ETC/TC 21 The committee held 4 meetings in 2025, and the Chair attended the IEC TC 101, Electrostatics Plenary meeting.

- NSAI/ETC/TC 22 The committee currently has not secretary in NSAI, however members of the committee continue to engagement with IEC/TC 111 & CLC/TC 111X. The committee continued to review draft standards.

- NSAI/ETC/RCDTF the members of this group are small, but they are actively involved in IEC/TC 23E & CLC/TC 23E. The Task force worked on the adoption of IEC 61008-2-2:2024 and IEC 61009-2-2:2024 as I.S. Standard.

- NSAI continue to be represented at the CENELEC Technical Board (BT). Amanda-Jane Gainford is NSAI CENELEC BT Permanent Delegate.
- NSAI continue as members of the IEC Forum Organising committee.
- NSAI attended the IEC Forum during the General meeting, along with several governance meetings. Amanda-Jane Gainford was appointed as the convenor of the IEC Forum.
- NSAI had 2 technical experts attend technical meetings held during the IEC General meeting. 2 NSAI staff attended governance meetings.
- NSAI had 2 young professionals participate in the IEC Young Professionals Programme in New Delhi.

5.2.3 IEC P & O Membership Status

In 2025 NSAI Membership status was changed from a Participating to Observer Member on the following 1 technical committee.

Committee	Description
TC 59/SC 59N	Electrical air cleaners for household and similar purposes

In 2025 NSAI Membership status was changed from an Observer Member to a Participating Member on the following 2 technical committees.

Committee	Description
IEC/SC 61C	Safety of refrigeration appliances for household and commercial use
IEC/SC 61D	Appliances for air-conditioning for household and similar purposes

In 2025 NSAI Membership status was changed from a member to not a member on the following 1 technical committee.

Committee	Description
IEC/TC 95	Measuring relays and protection equipment.

NSAI are currently a P "Participating" member to 59 IEC Technical committees and an O "Observer" member in 65 IEC Technical Committees. Total 124.

Committee	Description	Status
TC 1	Terminology	P-Member
TC 2	Rotating machinery	P-Member
TC 4	Hydraulic turbines	O-Member
TC 5	Steam turbines	O-Member
TC 7	Overhead electrical conductors	O-Member
TC 8	System aspects of electrical energy supply	P-Member
TC 8A	Grid Integration of Renewable Energy Generation	P-Member
TC 8B	Decentralized electrical energy systems	P-Member

TC 8D	Meteorological Services and Technologies for Electric Power Systems	P-Member
TC 10	Fluids for electrotechnical applications	O-Member
TC 11	Overhead lines	O-Member
TC 15	Solid electrical insulating materials	O-Member
TC 17	High-voltage switchgear and controlgear	O-Member
TC 17A	Switching devices	O-Member
TC 17C	Assemblies	O-Member
TC 20	Electric cables	O-Member
TC 22	Power electronic systems and equipment	O-Member
TC 22G	Adjustable speed electric power drive systems (PDS)	P-Member
TC 23	Electrical accessories	O-Member
TC 23B	Plugs, socket-outlets and switches	O-Member
TC 23E	Circuit-breakers and similar equipment for household use	P-Member
TC 23G	Appliance couplers	O-Member
TC 23H	Plugs, Socket-outlets and Couplers for industrial and similar applications, and for Electric Vehicles	O-Member
TC 23J	Switches for appliances	O-Member
TC 25	Interconnection of information technology equipment	P-Member
TC 27	Industrial electroheating and electromagnetic processing	O-Member
TC 31	Equipment for explosive atmospheres	P-Member
TC 31G	Intrinsically-safe apparatus	P-Member
TC 31J	Classification of hazardous areas and installation requirements	P-Member
TC 31M	Non-electrical equipment and protective systems for explosive atmospheres	P-Member
TC 33	Power capacitors and their applications	O-Member
TC 36	Insulators	O-Member
TC 36A	Insulated bushings	O-Member
TC 37	Surge arresters	P-Member
TC 37A	Low-voltage surge protective devices	O-Member
TC 37B	Components for low-voltage surge protection	O-Member
TC 40	Capacitors and resistors for electronic equipment	O-Member
TC 42	High-voltage and high-current test techniques	O-Member
TC 41	Internet of Things and Digital Twin	P-Member
TC 44	Safety of machinery - Electrotechnical aspects	P-Member
TC 45B	Radiation protection instrumentation	O-Member
TC 46	Cables, wires, waveguides, RF connectors, RF and microwave passive components and accessories	O-Member
TC 46A	Coaxial cables	O-Member
TC 46C	Wires and symmetric cables	O-Member
TC 46F	RF and microwave passive components	O-Member
TC 47	Semiconductor devices	P-Member
TC 47A	Integrated circuits	P-Member
TC 47D	Semiconductor devices packaging	P-Member
TC 47E	Discrete semiconductor devices	P-Member
TC 48B	Electrical connectors	O-Member
TC 51	Magnetic components, ferrite and magnetic powder materials	O-Member
TC 56	Dependability	P-Member

TC 57	Power systems management and associated information exchange	P-Member
TC 59	Performance of household and similar electrical appliances	P-Member
TC 59C	Electrical heating appliances for household and similar purposes	P-Member
TC 59D	Performance of household and similar electrical laundry appliances	P-Member
TC 59F	Surface cleaning appliances	O-Member
TC 59L	Small household appliances	O-Member
TC 59M	Performance of electrical household and similar cooling and freezing appliances	O-Member
TC 59N	Electrical air cleaners for household and similar purposes	O-Member
TC 61	Safety of household and similar electrical appliances	P-Member
TC 61B	Safety of stationary cooking appliances for household use, and microwave appliances for household and commercial use	O-Member
TC 61C	Safety of refrigeration appliances for household and commercial use	P-Member
TC 61D	Appliances for air-conditioning for household and similar purposes	P-Member
TC 61H	Safety of electrically-operated farm appliances	O-Member
TC 61J	Safety of electrical motor-operated cleaning appliances for commercial use	O-Member
TC 62	Medical equipment, software, and systems	P-Member
TC 62A	Common aspects of medical equipment, software, and systems	P-Member
TC 62B	Medical imaging equipment, software, and systems	O-Member
TC 62C	Equipment for radiotherapy, nuclear medicine and radiation dosimetry	O-Member
TC 62D	Particular medical equipment, software, and systems	P-Member
TC 64	Electrical installations and protection against electric shock	P-Member
TC 65	Industrial-process measurement, control and automation	P-Member
TC 65A	System aspects	P-Member
TC 65B	Measurement and control devices	O-Member
TC 65C	Industrial networks	O-Member
TC 66	Safety of measuring, control and laboratory equipment	P-Member
TC 68	Magnetic alloys and steels	O-Member
TC 69	Electrical power/energy transfer systems for electrically propelled road vehicles and industrial trucks	P-Member
TC 70	Degrees of protection provided by enclosures	O-Member
TC 76	Optical radiation safety and laser equipment	O-Member
TC 77	Electromagnetic compatibility	P-Member
TC 77A	EMC - Low frequency phenomena	P-Member
TC 77B	High frequency phenomena	P-Member
TC 77C	High power transient phenomena	O-Member
TC 78	Live working	P-Member
TC 79	Alarm and electronic security systems	O-Member
TC 80	Maritime navigation and radiocommunication equipment and systems	O-Member
TC 81	Lightning protection	P-Member

TC 86	Fibre optics	O-Member
TC 86A	Fibres and cables	O-Member
TC 86B	Fibre optic interconnecting devices and passive components	O-Member
TC 86C	Fibre optic systems, sensing and active devices	O-Member
TC 88	Wind energy generation systems	P-Member
TC 94	Electrical relays	O-Member
TC 99	Insulation co-ordination and system engineering of high voltage electrical power installations above 1,0 kV AC and 1,5 kV DC	P-Member
TC 100	Audio, video and multimedia systems and equipment	P-Member
TC 101	Electrostatics	P-Member
TC 106	Methods for the assessment of electric, magnetic and electromagnetic fields associated with human exposure	P-Member
TC 108	Safety of electronic equipment within the field of audio/video, information technology and communication technology	P-Member
TC 110	Electronic displays	O-Member
TC 111	Environmental standardization for electrical and electronic products and systems	P-Member
TC 114	Marine Energy Conversion Systems	P-Member
TC 115	High Voltage Direct Current (HVDC) transmission for DC voltages above 100 kV	P-Member
TC 116	Safety of motor-operated electric tools	O-Member
TC 120	Electrical Energy Storage (EES) systems	P-Member
TC 121	Switchgear and controlgear and their assemblies for low voltage	P-Member
TC 121A	Low-voltage switchgear and controlgear	P-Member
TC 121B	Low-voltage switchgear and controlgear assemblies	P-Member
TC 122	UHV AC transmission systems	O-Member
TC 124	Wearable electronic devices and technologies	O-Member
TC 127	Low-voltage auxiliary power systems for electric power stations and substations	P-Member
TC 128	Safe management and operation of electrical installations	P-Member
CISPR	International special committee on radio interference	P-Member
CIS/A	Radio-interference measurements and statistical methods	O-Member
CIS/B	Interference relating to industrial, scientific and medical radio-frequency apparatus, to other (heavy) industrial equipment, to overhead power lines, to high voltage equipment and to electric traction	O-Member
CIS/D	Electromagnetic disturbances related to electric/electronic equipment on vehicles and internal combustion engine powered devices	O-Member
CIS/F	Interference relating to household appliances, electric tools, electrical lighting equipment, and similar apparatus	O-Member
CIS/H	Limits for the protection of radio services	O-Member
CIS/I	Electromagnetic compatibility of information technology equipment, multimedia equipment and receivers	P-Member
BDC	IEC/ISO Joint Systems Committee on Bio-digital Convergence (IEC/ISO JSyC BDC)	O-Member
SET	Sustainable Electrified Transportation	P-Member
Smart Cities	Electrotechnical aspects of Smart Cities	O-Member
Smart Energy	Smart Energy	O-Member

5.2.4 International/Regional Standards Reviewed

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

IEC Systems Committee for Sustainable Electric Transport (SyC SET)

NSAI have an expert sitting on the IEC Systems committee for SET. This experts' reports are presented to the NSAI/ETC Committee.

In 2025, our expert attended the following SyC SET meeting:

- 17th – 19th June 2025 – Norway (Oslo) (attended remotely)

5.2.5 International/Regional Voting Results

Each of the Technical committees listed in the Electrotechnical Sector have actively voted as listed in their annual reports on relevant IEC and CENELEC documents open for vote. In addition to these votes NSAI have voted on all CEN/BT & CENELEC/BT documents open for vote.

5.3 Regulatory Development/Update

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

6 Irish Publications/Reviews

6.1 Publications

NSAI adopted the following standards in the electrotechnical area:

- 355 as I.S. EN IEC
- 42 as I.S. EN
- 1 as I.S. EN ISO/IEC
- 4 as I.S. EN IEC/IEEE
- 1 as I.S. EN IEC/ASTM
- 7 as NSAI/HD
- 5 as NSAI/CLC/TR
- 4 as NSAI/CLC/TS
- 3 as NSAI/CWA
- 8 as NSAI/CLC IEC/TS
- 1 as NSAI/CLC ISO/IEC/TS
- 1 as I.S. 10101:2020+A1:2024/AC2:2025

NSAI published did not publish any standards in the electrotechnical area in 2024.

6.2 Reviews

All review work carried out by NSAI/ETC Committees has been documented in the relevant Annual report within the electrotechnical sector. Each subcommittee reports on the review work which they have carried out to the main ETC committee during the meetings conducted throughout the year.

7 Work programme for 2026 onwards

For 2026, 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 input to the HLF activities.

8 Additional Information

No additional information.