



ANNUAL REPORT 2025

NSAI TECHNICAL COMMITTEES
(NSAI/ETC/TC 4 – SWITCHGEAR,
CONTROL GEAR AND
ASSOCIATED EQUIPMENT)

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1 Chair Statement

In terms of new members and IEC International meetings hybrid, the NSAI ETC TC 4 team had a very successful 2025.

NSAI ETC TC 4 attempted to carry out meetings face-to-face allowing for a better relationship and a more positive outcome (team building). This was not a success and reverted to the on-line meetings. Committee members continue to grow in strength, with an array of experts from all areas of switchgear, control gear, and associated equipment industry.

The committee agreed again that four meetings will take place in 2026, with the hybrid option, unfortunately due to the unavailability of the chairperson the final meeting in December 2025 was postponed until February 2026.

Areas to be followed are IEC 61439 part 1, 2 and 2025 saw focus on the prosumer units and how they may evolve in the coming years and therefore much focus was based on the IEC 61439 part 3.

There was no IEC face to face international meetings this year. NSAI ETC TC 4 committee members have continued to open dialogue and discussions on new areas we should keep an eye on. There has been a mindset shift in the committee where smaller groups are volunteering to undertake small tasks in relation to topic discussed at the table.

Committee members showed great contribution, experience, and interest to NSAI ETC TC 04 future goals.

Many Thanks to all involved and I look forward to 2026.

Paul Hyland

Chair of NSAI ETC TC 04.

2 Introduction

NSAI/ETC/TC 4 is the national mirror committee responsible for coordinating Ireland's engagement in the development of international standards for low-voltage switchgear including their assemblies.

3 Scope of TC

To support the development of national and international Standards for low-voltage switchgear and controlgear equipment for industrial, commercial, and similar use rated below or equal to 1 kV a.c. and 1,5 kV d.c. electromechanical as well as semiconductor (solid state) equipment. The scope includes open and enclosed separate items of equipment as well as assemblies which are the combinations of items of equipment into complete functional units.

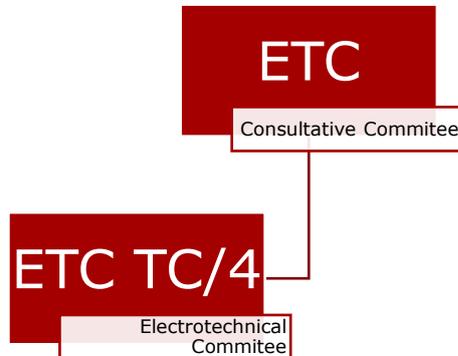
The committee mirrors the following international committees:

Committee Name	Committee Title
IEC/TC 121	Switchgear and controlgear and their assemblies for low voltage
IEC/SC 121A	Low-voltage switchgear and controlgear
IEC/SC 121B	Low-voltage switchgear and controlgear assemblies
CLC/TC 121A	Low-voltage switchgear and controlgear
CLC/SR 121B	Low-voltage switchgear and controlgear assemblies
CLC/SR 121	Switchgear and controlgear and their assemblies for low voltage

4 Structure and Membership

4.1 Structure

The Figure below illustrates the structure of the Committee:



4.2 Members

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

Organisation	Role
ABB	National chairperson
AECI	National committee member
Anord Mardix	National committee member
BCEI	National committee member
Collen	National committee member
EMDA / EIFI	National committee member
ESB	National committee member
ESTA	National committee member
Finning	National committee member
Hager	National committee member
Hanley Energy	National committee member
Hitachi Energy	National committee member
NSAI	National secretary
RFE	National committee member
Schneider Electric	National committee member
Siemans	National committee member
SK biotek Ireland	National committee member
Vertiv	National committee member

5 Summary of 2025 Activities

5.1 National

5.1.1 Meetings

The committee members opted for Hybrid meetings in 2025; however 2 meetings were held fully virtual and the 1 meeting in hybrid form. The hybrid meeting used MS Teams and NSAI offices. The committee members attended the following national meetings:

Meeting No.	Date	Minutes Reference
1	2025/03/07	N0735
2	2025/06/27	N0746
3	2025/10/03	N0750

5.1.2 National Work

The committee are following the international work at IEC and CENELEC. The aim of the committee is to ensure Irish requirements are included in the international work and therefore no additional national work is required. The committee assisted in providing a response to a technical query in relation to IEC 61439-2.

5.2 International/Regional

5.2.1 Meetings

Committee members attend no international meetings in 2025.

5.2.2 International/Regional Work

Members of the committee attended virtually maintenance teams and working group meetings.

5.2.3 International/Regional Standards Reviewed

The committee continue to review standards as they arise in IEC & CLC.

The committee has been actively attending IEC meeting in relation to IEC TC 121 PT 63482.

5.2.4 International/Regional Voting

NSAI/ETC/TC 04 vote on all documents at IEC and CENELEC documents using a default voting strategy. The committee have actively voted on 23 documents in 2025 and have submitted 1 set of comments.

IEC/TC 121: Ireland has actively voted 10 times in 2025.

IEC/TC 121 SC 121A: Ireland has actively voted 8 times in 2025.

IEC/TC 121 SC 121B: Ireland has actively voted 5 times in 2025.

Body	Vote Reference	Comments Submitted	Decision	WIID
121	121/186/Q	No Comment		
121	121/189/DC	No Comment		
121	121/190/DC	No Comment		
121	121/191/Q	Comments	Approved	

121	121/194/CDV	Abstain
121	121/197/DC	No Comment
121B	121/198/DC	No Comment
121	121/224/FDIS	Abstain
121	121/226/DC	No Comment
121	121/233/CDV	Abstain
121	121/234/DC	No Comment
121A	121A/635/CDV	Abstain
121A	121A/639/CDV	Abstain
121A	121A/640/CDV	Abstain
121A	121A/645/FDIS	Abstain
121A	121A/646/FDIS	Abstain
121A	121A/648/Q	No Comment
121A	121A/682/CD	No Comment
121A	121A/688/CD	No Comment
121B	121B/207/Q	No Comment
121B	121B/210/CD	No Comment
121B	121B/221/DC	No Comment
121B	121B/222/DC	No Comment

5.3 Regulatory Development/Update

NSAI/ETC/TC 4 should remain aware of the following Regulations and Directives;

- Directive 2014/30/EU - Electromagnetic Compatibility (EMC)
- Directive 2014/35/EU - The Low Voltage Directive (LVD)
- Directive 2012/27/EU - Energy efficiency
- I.S. 10101:2020+A1:2025- The National Rules for Electrical Installations

6 Irish Publications/Reviews

6.1 Publications

The committee did not publish any deliverables this year.

6.2 Reviews

No National reviews conducted this year.

7 Work programme for 2026 onwards

The committee will continue to explore the following areas for 2026:

- Committee to meet every quarter in 2026, first meeting in February.
- Expand membership to ensure the committee gets the benefit of a diverse industry expertise at all meetings.
- Consider the Prosumer distribution board of the future.
- I.S. 10101 update interaction, where NSAI ETC TC 04 has cross over.

- The committee will continue to attend and contribute at the IEC & CLC level throughout 2026 by reviewing, inputting Irish comments and voting on the various stages of standards development.

7.1 IEC Work Programme:

The number of work programmes taking place in the relevant IEC committees are listed and detailed below:

- IEC TC 121 3 work programmes,
- IEC TC 121A 11 work programmes,
- IEC TC 121B 3 work programmes.

IEC	Project Reference	Title	Document Reference	Working Group	Fcst. Publ. Date
121	PNW 121-239 ED1	Low-voltage switchgear and controlgear - Product data and properties for information exchange - Engineering data - Part 2-4: 3D position of the product interfaces	121/239/NP	WG 3	2028-06
121	IEC 62683-1 ED2	Low-voltage switchgear and controlgear - Product data and properties for information exchange - Part 1: Catalogue data	121/237/FDIS	WG 3	2026-03
121	IEC 63058 ED1	Switchgear and controlgear and their assemblies for low voltage - Environmental aspects	121/233/CDV	WG 2	2026-11
121A	IEC 60947-1 ED7	Low-voltage switchgear and controlgear - Part 1: General rules	121A/710/CDV	MT 5	2027-01
121A	IEC 60947-5-2 ED5	Low-voltage switchgear and controlgear - Part 5-2: Control circuit devices and switching elements - Proximity switches	121A/706/RR	WG 3	2028-06
121A	IEC 60947-5-3 ED3	Low-voltage switchgear and controlgear - Part 5-3: Control circuit devices and switching elements - Requirements for proximity devices with defined behaviour under fault conditions (PDDB)	121A/716/FDIS	WG 3	2026-05
121A	IEC 60947-5-5 ED2	Low-voltage switchgear and controlgear - Part 5-5: Control circuit devices and switching elements - Electrical emergency stop device with mechanical latching function	121A/699/FDIS	WG 3	2026-02
121A	IEC 60947-6-1 ED4	Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment	121A/711/FDIS	MT 18	2026-03
121A	IEC 60947-7-2 ED4	Low-voltage switchgear and controlgear - Part 7-2: Ancillary	121A/707/CDV	MT 8	2027-02

		equipment - Protective conductor terminal blocks for copper conductors			
121A	IEC 60947-7-4 ED3	Low-voltage switchgear and controlgear - Part 7-4: Ancillary equipment - PCB terminal blocks for copper conductors	121A/705/CDV	MT 8	2027-02
121A	IEC 60947-7-5 ED1	Low-voltage switchgear and controlgear - Part 7-5: Ancillary equipment - Terminal blocks for aluminium conductors	121A/715/RR	MT 8	2027-12
121A	IEC 60947-10 ED1	Low-voltage switchgear and controlgear - Part 10: Semiconductor circuit-breakers	121A/712/F DIS	PT 60947-10	2026-03
121A	IEC 62091 ED2	Low-voltage switchgear and controlgear - Controllers for drivers of stationary fire pumps	121A/704/CD	MT 20	2027-06
121A	IEC TR 63649 ED1	Low-voltage switchgear and controlgear - Determination, verification and validation of safety related performance characteristic	121A/678/CD	WG 3	2026-07
121B	IEC 61439-6 ED2	Low-voltage switchgear and controlgear assemblies - Part 6: Busbar trunking systems (busways)	121B/223/CDV	MT 3	2026-12
121B	IEC 61439-8 ED1	Low-voltage switchgear and controlgear assemblies - Part 8: Assemblies for use in photovoltaic installations	121B/224/F DIS	PT 61439-8	2026-03
121B	IEC TS 61641 ED1	Low-voltage switchgear and controlgear assemblies - Internal arc-fault protection of low-voltage switchgear and controlgear assemblies in accordance with the IEC 61439 series	121B/228/DTS	PT 61641	2026-05

7.2 CENELEC Work Programme:

The number of work programmes taking place in the relevant CENELEC committees are listed and detailed below:

- CLC TC 121A 11 work programmes,
- CLC SR 121 2 work programmes,
- CLC SR 121B 4 work programmes.

CLC TC	WI Number	Reference	Title
CLC TC 121A	75860	FprEN IEC 60947-10:2025	Low-voltage switchgear and controlgear - Part 10: Semiconductor circuit-breakers
CLC TC 121A	75933	FprEN IEC 60947-5-3:2026	Low-voltage switchgear and controlgear - Part 5-3: Control circuit devices and switching elements - Requirements for proximity devices with defined behaviour under fault conditions (PDDB)
CLC TC 121A	76180	FprEN IEC 60947-5-5:2025	Low-voltage switchgear and controlgear - Part 5-5: Control circuit devices and switching

			elements - Electrical emergency stop device with mechanical latching function
CLC TC 121A	77039	prEN IEC 60947-1:2026	Low-voltage switchgear and controlgear - Part 1: General rules
CLC TC 121A	77091	EN IEC 60947-6-2:202X/prAA	Low-voltage switchgear and controlgear - Part 6-2: Multiple function equipment - Control and protective switching devices (or equipment) (CPS)
CLC TC 121A	79510	FprEN IEC 60947-6-1:2025	Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment
CLC TC 121A	80318	prEN IEC 62091	Low-voltage switchgear and controlgear - Controllers for drivers of stationary fire pumps
CLC TC 121A	80403	prEN IEC 60947-7-2:2026	Low-voltage switchgear and controlgear - Part 7-2: Ancillary equipment - Protective conductor terminal blocks for copper conductors
CLC TC 121A	81962	prEN IEC 60947-7-4:2025	Low-voltage switchgear and controlgear - Part 7-4: Ancillary equipment - PCB terminal blocks for copper conductors
CLC TC 121A	82956	prEN IEC 60947-1:2026/prAA:2026	Low-voltage switchgear and controlgear - Part 1: General rules
CLC TC 121A	83083	prEN IEC 60947-5-2	Low-voltage switchgear and controlgear - Part 5-2: Control circuit devices and switching elements - Proximity switches
CLC TC 121A	76406	prEN IEC 63058:2025	Switchgear and controlgear and their assemblies for low voltage - Environmental aspects
CLC SR 121	77040	FprEN IEC 62683-1:2025	Low-voltage switchgear and controlgear - Product data and properties for information exchange - Part 1: Catalogue data
CLC SR 121	76406	prEN IEC 63058:2025	Switchgear and controlgear and their assemblies for low voltage - Environmental aspects
CLC SR 121B	74472	FprEN IEC 61439-4:2023	Low-voltage switchgear and controlgear assemblies - Part 4: Particular requirements for assemblies for construction sites (ACS)
CLC SR 121B	77076	prEN IEC 61439-6:2025	Low-voltage switchgear and controlgear assemblies - Part 6: Busbar trunking systems (busways)
CLC SR 121B	77696	FprEN IEC 61439-8:2025	Low-voltage switchgear and controlgear assemblies - Part 8: Assemblies for use in photovoltaic installations
CLC SR 121B	79616	EN IEC 62208:2023/prA11	Empty enclosures for low-voltage switchgear and controlgear assemblies - General requirements

8 Additional Information

No additional information.