



NSAI

ANNUAL REPORT 2021

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

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1 Chairman’s Statement

The year 2021 started with the first meeting held in January and the usual committee works. Immediately in the beginning of the year the committee discussed the promotion and participation at IEC and CLC mirror committees. Furthermore, the committee members reached out into the industry and were able to gain further participation in the technical committee. This was of utmost importance as some members retired from the committee. It was agreed to have bi-monthly remote meetings to discuss important issues. Emphasis was given early in the year to develop understanding of the use of i2i to help staying up to date on standards and providing remote access. This helped in the participation on discussions around the “IEC TC 121-Switchgear and Controlgear and their assemblies for low voltage”-committee and works on other subcommittees in IEC. It was also positive to see further engagement in this area and extending the participation into the “Maintenance of IEC 61439-3”.

Various technical queries from academia and industry were resolved and support was given enabling the clarification of such. The committee discussed the development of their core function and how it links to other organisations. This led into developing an outline presentation demonstrating the impact NSAI/ETC/TC 04 can have and how it engages with the CRU, HSA, ESB, CEN, CLC, RECI and so on.

This work can also support and enhance the understanding within the various public and private entities to participate in technical committees such as this.

The year was again challenging with the ongoing Covid 19 pandemic, but the perseverance of the committee members enabled a successful completion of 2021.

Dr. Marios Zarifakis

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:

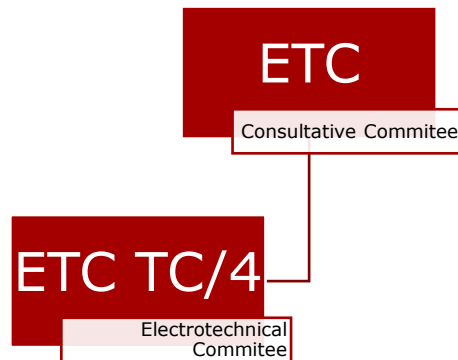
Committee Name	Committee Title	Membership
IEC/TC 121	Switchgear and controlgear and their assemblies for low voltage	P-Member
IEC/SC 121A	Low-voltage switchgear and controlgear	P-Member
IEC/SC 121B	Low-voltage switchgear and controlgear assemblies	P-Member
CLC/TC 121A	Low-voltage switchgear and controlgear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

CLC/SR 121	Switchgear and controlgear and their assemblies for low voltage	NC Official
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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	Role
ABB	National committee member
AECI	National committee member
Capital Switch Gear	National committee member
CEI	National committee member
Collen	National committee member
EMDA / EIFI	National committee member
ESB	National committee member
ESB	National chairperson
ESTA	National committee member
Hager	National committee member
J. B. Barry and Partners Limited	National committee member
NSAI	National secretary
RFE	National committee member
Schneider Electric	National committee member
Siemens	National committee member
SK biotek Ireland	National committee member
ABB	National committee member

5 Summary of 2021 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	20 th January 2021	N0598
2	24 th of March 2021	N0600
3	26 th May 2021	N0605
4	21 st July 2021	N0616
5	29 th September 2021	N0625
6	24 th November 2021	N0635

5.1.2 National Work

No national work was carried out by the committee in 2021.

5.2 International/Regional

5.2.1 Meetings

Committee members attend the following international meetings in 2021:

Committee Name	Location	Date	No. of Attendees
CLC/TC 121A	Virtual	2021-12-02 & 2021-12-03	2
CLC/SR 121B			N/A
CLC/SR 121			N/A
IEC/TC 121			N/A
IEC/SC 121A			N/A
IEC/SC 121B			N/A
IEC / TC 121 / WG 1			N/A
IEC / TC 121 / WG 2			N/A
IEC / TC 121 / SC 121B / MT 4			N/A
IEC / TC 121 / SC 121A / MT 5			N/A
IEC / TC 121 / SC 121A / MT 6			N/A
IEC / TC 121 / SC 121A / MT 8			N/A
IEC / TC 121 / SC 121A / MT 9			N/A
IEC / TC 121 / SC 121A / AG4			N/A
IEC / TC 121 / SC 121B / MT 2			N/A
IEC / TC 121 / SC 121B/ MT 6			N/A
IEC / TC 121 / SC 121B / MT 7			N/A
IEC / TC 121 / SC 121B / MT 8			N/A

5.2.2 International/Regional Voting

The committee have actively voted on 16 documents in 2021 and have submitted 12 sets of comments.

IEC/SC 121: Ireland has actively voted 4 times in 2021.

IEC/SC 121A: Ireland has actively voted 10 times in 2021.

IEC/SC 121B: Ireland has actively voted 2 times in 2021.

Body	Vote Reference	Comments Submitted	Decision	WIID
IEC	121/78/NP	No	Abstain	
IEC	121/81/Q	Yes	Approve	
IEC	121/82/Q	Yes	Approve	
IEC	121/84/Q	Yes	Approve	
IEC	121A/394/Q	Yes	Approve	
IEC	121A/430/Q	Yes	Approve	
IEC	121A/434/Q	Yes	Approve	
IEC	121A/433/CD	No	Abstain	
IEC	121A/435/DC	No	Abstain	
IEC	121A/448/Q	Yes	Approve	
IEC	121A/450/Q	Yes	Approve	
IEC	121A/451/Q	Yes	Approve	
IEC	121A/452/Q	Yes	Approve	
IEC	121A/453/Q	Yes	Approve	
IEC	121B/126/DTR	Yes	Approve	
IEC	121B/136/DTR	No	Abstain	

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 2009/125/EC - Establishing a framework for the setting of ecodesign requirements for energy-related products
- I.S. 10101:2020- 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

The Committee identified the following Irish national Standards for review:

- ET 214 "Guide to the selection and use of Residual Current Devices"
 - It was agreed by the Committee in 2021/09/29 that this document would be withdrawn in line with the ET 101 to I.S. 10101 transition. This decision is being put to the NSAI/ETC Committee at their next meeting which is in February 2022.

7 Work programme for 2022 onwards

- Committee to meet every 2nd month.
- Build upon improved engagement with CENELEC and IEC mirrored committees in 2022
- Expand membership to ensure the committee gets the benefit of diverse industry expertise at all meetings.
- Core Function mapping of Key stakeholders

8 Additional Information

No additional information.