



# ANNUAL REPORT 2019

NSAI TECHNICAL COMMITTEES  
(NSAI ETC TC4 – SWITCHGEAR,  
CONTROL GEAR AND  
ASSOCIATED EQUIPMENT)

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## 1 Secretariats Statement

After the re-launch of the committee in 2018, 2019 saw the NSAI ETC TC4 engage with developments in International Standards and support the NSAI ETC TC2 committee with the forthcoming publication of the "New Wiring Rules". Appointment of a new Chairperson will be the first item of business in the New Year.

## 2 Introduction

NSAI ETC TC4 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.

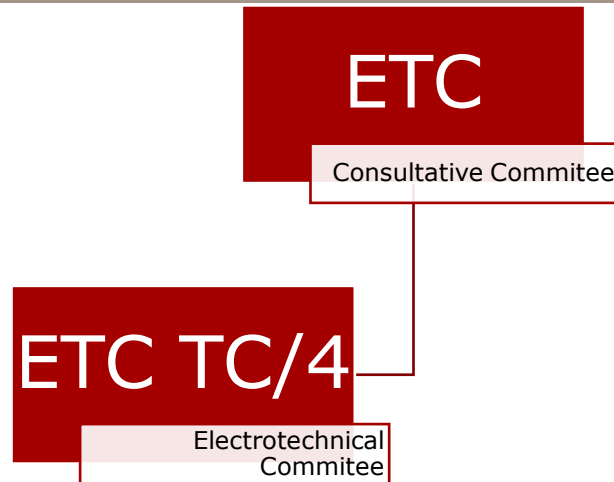
The committee mirrors the following international committees:

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

## 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
<b>EMDA/Schneider</b>	Mark Keogh	Interim Chair
<b>ESB</b>	Jan Bednarik	Committee Member
<b>RFE</b>	Ian Checkley	Committee Member
<b>CEI</b>	Jonathan Dunne	Committee Member
<b>SK Biotek</b>	Brian Kelly	Committee Member
<b>Hager</b>	Luke Killeen	Committee Member
<b>ESTA</b>	Jim McGuinness	Committee Member
<b>ASC Ltd.</b>	Noel Meehan	Committee Member
<b>Capital Switchgear</b>	Michael Sinkey	Committee Member
<b>Hager</b>	Tom Weafer	Committee Member
<b>ESB</b>	Dr. Mario Zarifakis	Committee Member
<b>ABB</b>	Paul Hyland	Committee Member
<b>JB Barry Consulting</b>	Ahmed Attia	Committee Member

## 5 Summary of 2019 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	29 January 2019	N0556
2	28 February 2019	N0558
3	27 May 2019	N0560
4	2 September 2019	N0563

## 5.1.2 National Work

During 2019 the committees focus was to support the NSAI ETC TC2 in the development of the next edition of the National Rules for Electrical Installation. NSAI ETC TC4 met on several occasions in Q1 of 2019 to review and submit comments on aspects of the document related to LV switchgear and assemblies.

## 5.2 International/Regional

### 5.2.1 Meetings

Paul Hyland (ABB) attended THE IEC SC121B MT2 meetings held in Berlin from the 8th to the 12th of July 2019. This MT is responsible for the maintenance of IEC 61439-1, IEC 61439-2, IEC/TR 61439-0, IEC/TR 60890 and IEC/TR 61641.

Committee members did not attend any other international meetings in 2019. Mirrored committee plenary meetings that took place in 2019 have been listed for information below\*\*:

Committee Name	Location	Date	No. of Attendees
CLC/TC 121A	Warsaw, Poland	3 <sup>rd</sup> + 4 <sup>th</sup> Dec '19	0

\*\* IEC TC121 plenary meetings take place on a bi-annual basis. No plenary meetings held in 2019.

### 5.2.2 International/Regional Voting

IEC/SC 121A: Ireland voted on a total no. of 12 documents open in 2019 with a 100% overall voting record.

IEC/SC 121B: Ireland voted on a total no. of 2 documents open in 2019 with a 100% overall voting record.

CLC/TC 121A: Ireland voted on a total no. of 12 documents open in 2019 with a 100% overall voting record.

## 5.3 Regulatory Development/Update

ETC TC4 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. 10101:20XX - 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

NSAI ETC TC4 reviewed ET201:2005 and recommended withdrawal of the document as the IEC EN61439 series of Standards are the successor documents to this outdated ETCI document.

The Committee identified the following Irish national Standards for review in the future:

- ET204 – "Code of Practice for Control Systems involving Programmable Electronic Products"
- ET208 – "Code of Practice for the Design, Selection and Erection of LV Switchboards for Residential Applications". (Note: This falls under the remit of NSAI ETC TC2)

## 7 Work programme for 2020 onwards

- To meet 2 -4 times per annum
- Build upon improved engagement with CENELEC and IEC mirrored committees in 2019
- Expand membership to ensure the committee gets the benefit of diverse industry expertise at all meetings.

## 8 Additional Information



Photo of the NSAI ETC TC44 Committee meeting that took place on the 26<sup>th</sup> of September 2018 in the NSAI, Santry.