



**NSAI**

# ANNUAL REPORT 2018

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

## Contents

1	Secretariats Statement.....	3
2	Introduction .....	3
3	Scope of TC.....	3
4	Structure and Membership .....	3
4.1	Structure .....	3
4.2	Members .....	4
5	Summary of 2018 Activities .....	4
5.1	National .....	4
5.1.1	Meetings .....	4
5.1.2	National Work .....	4
5.2	International/Regional .....	5
5.2.1	Meetings .....	5
5.2.2	International/Regional Voting .....	5
5.3	Regulatory Development/Update .....	5
6	Irish Publications/Reviews.....	5
6.1	Publications .....	5
6.2	Reviews .....	6
7	Work programme for 2019 onwards .....	6
8	Additional Information .....	6

## 1 Secretariats Statement

2018 saw the re-launch of NSAI ETC TC4 since the NSAI took over the function of developing and maintaining electrical Standards from the ETCI. The focus for 2019 will be to re-engage with developments in International Standards and support the ETC TC2 committee in 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 high-voltage and 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 also covers high-voltage switchgear and controlgear as well as their assemblies having a rated voltage above 1 kV a.c. and 1,5 kV d.c.

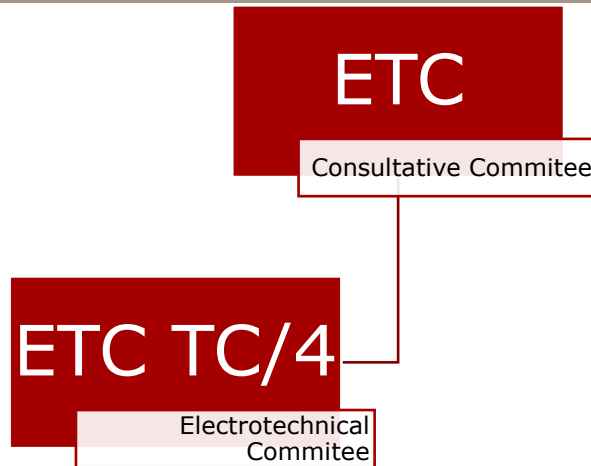
The committee mirrors the following international committees:

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>IEC/TC 17</b>	High-voltage switchgear and controlgear	O-Member
<b>IEC/SC 17A</b>	Switching devices	O-Member
<b>IEC/SC 17C</b>	Assemblies	O-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
<b>CLC/TC 17AC</b>	High-voltage switchgear and controlgear	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>ESBI</b>	Jan Bednarik	Committee Member
<b>RFE</b>	Ian Checkley	Committee Member
<b>Cundall</b>	Brendan Dervan	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

## 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	26 Sep' 2018	N0554

#### 5.1.2 National Work

During the transition of electro-technical Standards from the ETCI to NSAI, ET201 – "Code of Practice for the Design, Selection, and Erection of Low Voltage Switchboards for Industrial/Commercial Applications" and ET204 – "Code of Practice for Control Systems

involving Programmable Electronic Products" were highlighted as national work items that may or may not be continued into the future.

In relation to ET208 – " Code of Practice for the Design, Selection and Erection of LV Switchboards for Residential Applications" and specifically technical content on consumer units relevant to the National Wiring Rules, this falls under the remit of NSAI ETC TC2.

## 5.2 International/Regional

### 5.2.1 Meetings

Committee members did not attend any international meetings in 2018. Mirrored committee plenary meetings that took place in 2018 have been listed for information below:

Committee Name	Location	Date	No. of Attendees
IEC/TC 121	Busan, Korea	26 October '18	0
IEC/TC 121A	Busan, Korea	25 October '18	0
IEC/TC 121B	Busan, Korea	26 October '18	0
CLC/TC 121A	Milan, Italy	8 November '18	0

### 5.2.2 International/Regional Voting

IEC/SC 121A: Ireland voted on a total no. of 13 documents open in 2018 with a 100% overall voting record.

IEC/SC 121B: Ireland voted on a total no. of 1 document open in 2018 with a 100% overall voting record.

CLC/TC 17AC: Ireland voted on a total no. of 13 documents open in 2018 with a 100% overall voting record.

CLC/TC 121A: Ireland voted on a total no. of 12 documents open in 2018 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
- ET101:2008 - The National Rules for Electrical Installations
- prI.S. 10101:20XX - The National Rules for Electrical Installations (Draft)

## 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 in the future:

- ET201 – "Code of Practice for the Design, Selection, and Erection of Low Voltage Switchboards for Industrial/Commercial Applications"
- 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 2019 onwards

At the meeting of ETC TC4 on the 26<sup>th</sup> of September 2018, members of the committee committed to the following work programme:

- To meet 4 to 6 times per annum
- Improve engagement with CENELEC and IEC mirrored committees
- Expand membership to ensure the committee gets the benefit of diverse industry expertise at all meetings.
- Review the forthcoming revision of the National Rules for Electrical Installations

## 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.