



**NSAI**

# ANNUAL REPORT 2020

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

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## 1 Chairman’s Statement

The year 2020 started with the usual first meeting in January and the usual committee works. The nomination for a new chairperson and the drive to increase the participation in the committee was the primary focus at the time. Communications on the introduction of the I.S. EN 61439 series of standards and the withdrawal of the ETCI ET201 documents were on the agenda as well as the introduction of the National Rules for Electrical Installations. Discussions were held on IEC documents and decisions on voting on IEC documents was a focus on the meeting held in the NSAI offices.

A decision to hold bimonthly online remote meetings to discuss such matters was taken. Nobody knew at the time that all meetings for the year would be held online. With the challenges arising in the early spring, the decision was taken to do the all the meetings for the foreseeable future as online meetings. Initially, this presented the committee members with challenges on how to use remote conferencing software as well as individual connectivity issues. The committee even with the challenges presented by the Corona Virus pandemic, continued in the effort to promote participation in IEC mirror committees and in the drive to expand the participation of the industry experts.

Within the year we saw the departure of the NSAI Secretary, Mr James Clarke, who supported the committee over the last years. The role of Committee Secretary was taken over by Ms. Amanda-Jane Gainford (NSAI) who with her professional support guided the committee through this difficult year.

The committee saw the withdrawal of ETCI ET208, code of practice for the design, selection and erection of LV switchboards for residential applications which was in line with the transition from ETCI ET101, National Rules for Electrical Installations, to I.S. 10101.

## 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:

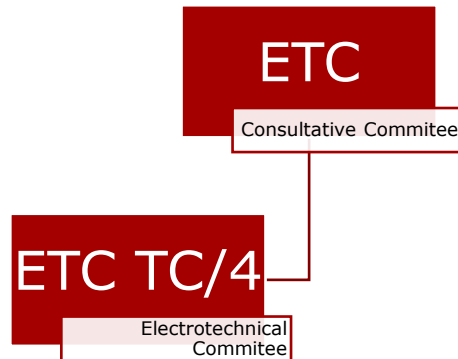
Committee Name	Committee Title	Membership
<b>IEC/TC 121</b>	Switchgear and controlgear and their assemblies for low voltage	P-Member
<b>IEC/SC 121A</b>	Low-voltage switchgear and controlgear	P-Member
<b>IEC/SC 121B</b>	Low-voltage switchgear and controlgear assemblies	P-Member
<b>CLC/TC 121A</b>	Low-voltage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

Name	Organisation	Role
Ahmed Attia	(J. B. Barry and Partners Limited)	Committee Member
Amanda-Jane Gainford	(NSAI)	National Secretary
Brian Kelly	(SK)	Committee Member
Dermot McClannon	(AECI)	Committee Member
Eirin Madden	(Schneider Electric)	Committee Member
Ian Checkley	(RFE)	Committee Member
James Clarke	(NSAI)	Committee Member
Jan Bednarik	(ESB)	Committee Member
Jim McGuinness	(ESTA)	Committee Member
Jonathan Dunne	(CEI)	Committee Member
Luke Killeen	(Hager)	Committee Member
Marios Zarifakis	(ESB)	National Chairperson
Mark Keogh	(EMDA) / (EIFI)	Committee Member
Michael Sinkey	(Capital Switch Gear)	Committee Member
Paul Hyland	(ABB)	Committee Member
Simon Clarke	(Collen)	Committee Member
Tom Weafer	(Hager)	Committee Member

## 5 Summary of 2020 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	22 <sup>nd</sup> January 2020	<a href="#">N0568</a>
2	25 <sup>th</sup> May 2020	<a href="#">N0579</a>
3	1 <sup>st</sup> October 2020	<a href="#">N0586</a>
4	2 <sup>nd</sup> December 2020	<a href="#">N0592</a>

#### 5.1.2 National Work

No national work was carried out by the committee in 2020.

### 5.2 International/Regional

#### 5.2.1 Meetings

Two committee members attend international meetings in 2020:

Committee Name	Location	Date	No. of Attendees
CLC/TC 121A	Virtual	3 <sup>rd</sup> & 4 <sup>th</sup> December 2020	2 (PH, AJG)
IEC/TC 121/SC 121B/MT 2	Copenhagen	2 <sup>nd</sup> to 5 <sup>th</sup> February 2020	1 (PH)

\*\* IEC TC121 plenary meetings take place on a bi-annual basis. No plenary meetings held in 2019. No plenary meeting held in 2020 due to Covid-19.

#### 5.2.2 International/Regional Voting

The committee actively voted on 9 documents in 2020.

IEC/SC 121A: Ireland has actively voted 2 times in 2020.

IEC/SC 121B: Ireland has actively voted 3 times in 2020.

IEC/TC 23: Ireland has actively voted 4 times in 2020.

### 5.3 Regulatory Development/Update

NSAI 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. 10101:2020- 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:

- ET204 – "Code of Practice for Control Systems involving Programmable Electronic Products"
  - It was agreed by NSAI/ETC Committee in September 2020 that this document would be withdrawn in line with the ET 101 to I.S. 10101 transition.
- 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)
  - It was agreed by NSAI/ETC Committee in September 2020 that this document would be withdrawn in line with the ET 101 to I.S. 10101 transition.

## 7 Work programme for 2021 onwards

- Committee to meet every 2<sup>nd</sup> month.
- Build upon improved engagement with CENELEC and IEC mirrored committees in 2020
- Expand membership to ensure the committee gets the benefit of diverse industry expertise at all meetings.

## 8 Additional Information

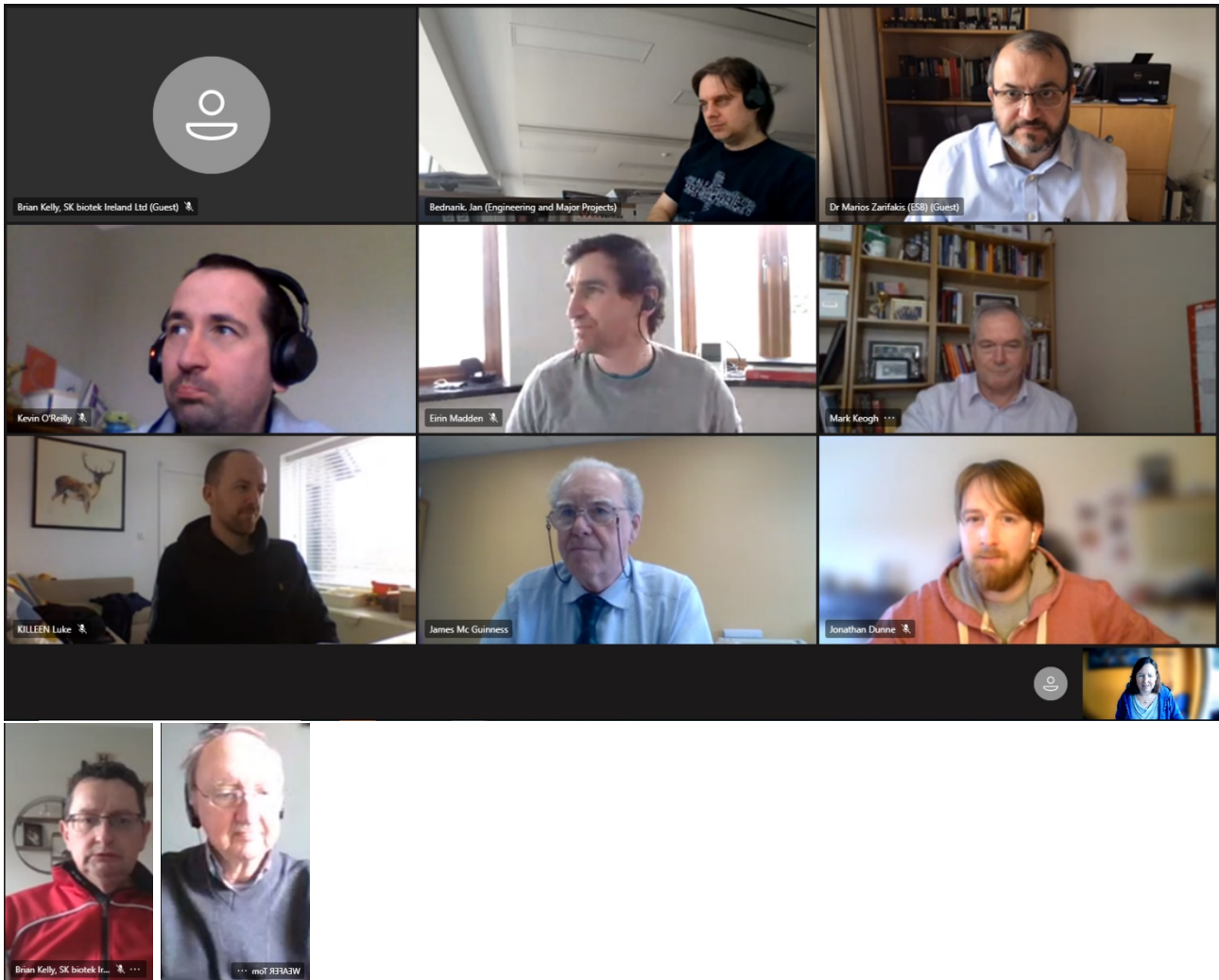


FIGURE 1 COMMITTEE PHOTO TAKEN AT A MS TEAMS COMMITTEE MEETING