



**NSAI**

# ANNUAL REPORT 2023

NSAI TECHNICAL COMMITTEES  
(NSAI/ETC/TC 21  
"ELECTROSTATICS")

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## 1 Chair Statement

We would like to thank members for their participation in NSAI ETC TC 21 this year and Amanda-Jane for her continued work in role as secretary.

NSAI ETC TC 21, The National Electrostatics Technical Committee has had quite an active year in standards development.

NSAI ETC TC 21 was represented in Paris this year for the WG and IEC TC101 plenary. Extensive discussion took place at the WG16 and WG5 meetings on the standards IEC 61340-6-2 and the IEC 61340-5-x series. IEC 61340-6-2 covers "Electrostatic control in healthcare - "commercial and public facilities" and deals with Electrostatics more so in everyday life. The standard has developed to be more substantive, and its success will be determined by the uptake in the architecture sector. IEC 61340-5-x series concerns itself with the protection of electronic devices, primarily in manufacturing. This work is developed in parallel with the 61340-4-x series which covers test methods. 4-11 for instance concerns control composite IBC in manufacturing and deals with limiting risk in ATEX explosive atmospheres.

The Committee continues to be represented on working groups with 4 members.

NSAI ETC TC 21 also added two new members this year with extensive knowledge of Electronics Manufacturing and Electrostatics.

We would also like to thank the continued liaison Brian Curtis from NSAI ETC TC06 Explosive Atmosphere Committee.

We look forward to working together in 2024.

Happy New Year

Lewis Brien

Chair of NSAI/ETC/TC 21.

## 2 Introduction

NSAI/ETC/TC 21 was established to coordinate the national input to the work of IEC TC 101 Electrostatics with reference to:

- Standardisation in the field of electrostatics to provide general guidance on test methods to evaluate the generation, retention and dissipation of electrostatic charges.
- Ascertaining the effect of electrostatic discharges.
- Methods of simulation of electrostatic phenomena for testing purposes.
- Requirements for design and implementation of handling areas or procedures, equipment, and materials used to control or eliminate electrostatic hazards or undesirable effects.

### 3 Scope of TC

The work of NSAI/ETC/TC 21 serves the needs of all sectors of Irish industry with the requirement to control electrostatic phenomena. This includes enterprises working the electronics sector, occupational and process safety and electrostatic nuisance management.

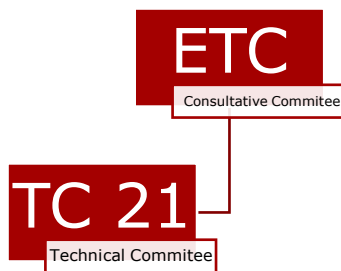
The committee mirrors the following international committee:

Committee Name	Committee Title
IEC TC 101	Electrostatics
CLC/SR <sup>1</sup> 101	Electrostatics

## 4 Structure and Membership

### 4.1 Structure

The Figure below illustrates the structure of the Committee:



### 4.2 Members

2023 welcomed new members to the committee. The table below provides the names of the members for the year:

Organisation	Role
<b>Analog</b>	National Committee Member
<b>Compliance Engineering Ireland</b>	<b>National Chairperson</b>
<b>Consultant</b>	National Committee Member
<b>Dell</b>	National Committee Member
<b>Independent Consultant</b>	National Committee Member
<b>Kostal</b>	National Committee Member
<b>Veolia Energy Services</b>	National Committee Member -Liaison
<b>NSAI</b>	<b>National Secretary</b>

<sup>1</sup> <https://boss.cenelec.eu/TechnicalStructures/Pages/SR>

## 5 Summary of 2023 Activities

### 5.1 National

#### 5.1.1 Meetings

The Committee members attended virtually the following national meetings:

Meeting No.	Date	Minutes Reference
1	2023-02-04	<a href="#">N0559</a>
2	2023-05-09	<a href="#">N0565</a>
3	2023-09-12	<a href="#">N0572</a>
4	2023-11-28	<a href="#">N0579</a>

#### 5.1.2 National Work

The committee met 4 times in 2023 and are focused on allowing Irish experts’ participation in the development of the IEC 61340 series of standards by IEC TC 101.

The IEC 61340 series is comprised of five parts:

- Part 1 – General,
- Part 2 – Measurement methods in electrostatics,
- Part 3 – Methods for simulating electrostatic effects,
- Part 4 – Standard test methods for specific applications and
- Part 5 – Protection of electronic devices from electrostatic phenomena.

### 5.2 International/Regional

#### 5.2.1 Meetings

Committee members attend the following international IEC meetings in 2023.

Committee Name	Location	Date	No. of Attendees
IEC/TC 101 Plenary	Paris, France	2023-07-07	1
IEC/ TC 101/WG 5	Paris, France	2023-07-03	1
		2023-07-04	1
IEC/ TC 101/WG 16	Virtual		N/A
IEC/ TC 101/WG 16	Paris, France	2023-07-03	1

#### 5.2.2 International/Regional Work

NSAI/ETC/TC 21 monitors the work of IEC TC 101

#### 5.2.3 International/Regional Standards Reviewed

The committee provided comments to

101/683/CD - IEC TS 61340-5-6 ED 1 Electrostatics - Part 5-6: Protection of electronic devices from electrostatic phenomena – Process Assessment Techniques

101/682/DTS - IEC TS 61340-6-2 ED1 Electrostatics - Part 6-2: Electrostatic control in healthcare, commercial and public facilities – Public spaces and office areas.

## 5.2.4 International/Regional Voting Results

The committee have actively voted on 4 documents in 2023 and have submitted 2 sets of comments.

Active votes were broken down as 3 for IEC documents and 1 for CENELEC documents.

Body	Vote Reference	Comments Submitted	Decision	WIID
IEC	101/679/CDV	No	Approve	
CLC	prEN IEC 61340-5-1:2023	No	Approve	75859
IEC	101/682/DTS	Yes	Approve	
IEC	101/683/CD	Yes	Approve	

## 5.3 Regulatory Development/Update

None.

## 6 Irish Publications/Reviews

### 6.1 Publications

The Committee did not publish any deliverables this year.

### 6.2 Reviews

The Committee carried out no reviews of Irish national deliverables.

## 7 Work programme for 2024 onwards

The committee have agreed to meet once/quarter in 2024. It was accepted that any matters concerning a committee member in relation to a standard can be discussed between committee members on a technical level, via email or phone. If action is required, the matter can be sent to secretary to enact or query further. The chair is open to contact at any stage to aid or discuss.

## 8 Additional Information

None.