



**NSAI**

# ANNUAL REPORT 2022

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

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## 1 Chair Statement

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

NSAI ETC TC 21, The National Electrostatics Technical Committee has had quite an active year with participation in the acceptance and development of 11 standards.

The Committee is also represented on working groups with 3 members. IEC TC 101 WG 16 for example is developing IEC 61340-6-2 "Electrostatic control in healthcare, commercial and public facilities" an interesting standard as the scope and reach is very broad but currently not very detailed.

Most of the standards work this year centred around electronics manufacturing, however the standard for IBC (Intermediate Bulk Containers) and Ionisation covers other manufacturing environments.

IEC TC 101 also adopted an ESD/ANSI Association standard SP 17.1 on process assessment techniques as a new document IEC 61340-5-6.

We would also like to thank Brian Curtis from NSAI ETC TC06 who has agreed to liaise with NSAI ETC TC21 on Electrostatics matters in Atex Environment.

We look forward to working together in 2023.

Merry Christmas

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 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.

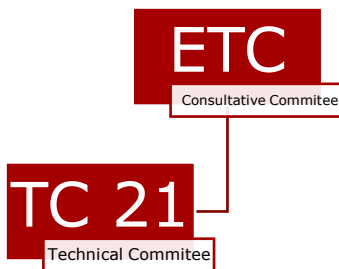
The committee mirrors the following international committee:

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

The table below provides the names of the members for the year:

Organisation	Role
<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>NSAI</b>	<b>National Secretary</b>
<b>PM Group Global</b>	National Committee Member

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

## 5 Summary of 2022 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	2022/02/08	<a href="#">N0539</a>
2	2022/05/10	<a href="#">N0542</a>
3	2022/09/13	<a href="#">N0547</a>
4	2022/11/08	<a href="#">N0551</a>

#### 5.1.2 National Work

The committee met 4 times in 2022 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 including

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 2022

Committee Name	Location	Date	No. of Attendees
IEC/TC 101 Plenary	Hybrid Kista Sweden	2022/07/01	LB, AJG
CLC/SR 101 Plenary			
IEC/ TC 101/WG 5			
IEC/ TC 101/WG 16			

#### 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 IEC 61340-4-9 ED 3, Electrostatics - Part 4-9: Standard test methods for specific applications - Garments - Resistive Characterization

### 5.2.4 International/Regional Voting Results

The committee have actively voted on 12 documents in 2022 and have submitted 4 sets of comments.

Active votes were broken down as 9 for IEC documents and 3 for CENELEC documents.

Body	Vote Reference	Comments Submitted	Decision	WIID
IEC	101/643/CDV	No	Approve	
IEC	101/648/Q	Yes	Approve	
IEC	101/650/CDV	No	Approve	
IEC	101/657/CD	Yes	Approve	
IEC	101/658/CD	Yes	Approve	
IEC	101/659/NP	No	Approve	
IEC	101/670/CD	Yes	Approve	
IEC	101/654/DPAS	No	Approve	
IEC	101/645/CDV	No	Approve	
CLC	prEN IEC 61340-4-7:2022	No	Approve	73839
CLC	prEN IEC 61340-4-9:2021	No	Approve	73837
CLC	EN 61340-4-6:2015/prA1:2022	No	Approve	73836

### 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 2023 onwards

The committee have agreed to meet once/quarter in 2023. 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.