



**NSAI**

# ANNUAL REPORT 2025

NSAI TECHNICAL COMMITTEES  
(NSAI/ETC/TC 15 HUMAN  
EXPOSURE TO  
ELECTROMAGNETIC FIELDS)

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## 1 Introduction

NSAI/ETC/TC 15 serves the telecommunication, ICT, and power transmission sectors in Ireland. The protection of the general consumer and users of electrical products that emit electromagnetic fields from 0 Hz to 300 GHz are addressed by the standards programme of this committee. This includes products such as mobile phones, laptops, tablets, medical devices, electric vehicles and other products that may emit EMF. Transmitting devices using Radio frequency are also under the remit of this committee.

The main activity for this committee is to monitor and provide input on the International (IEC) and European (CENELEC) standards developed to assess electromagnetic fields associated with human exposure or in the Human Environment. Some of the standards produced are listed in the Official Journal of the European Union as harmonized standards under the Radio Equipment Directive and Low Voltage Directive.

The industry currently has 5 experts involved in international work.

## 2 Scope of TC

NSAI/ETC/TC 15 provides a national forum for the review and contribution to the development of standards in the area of Electromagnetic fields and Human Health. The main focus of this committee is the work of CLC/TC 106X and IEC/TC 106.

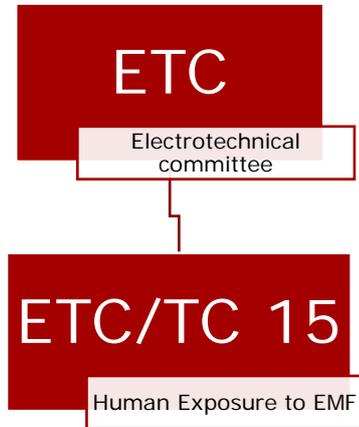
Members of TC also play a role in promoting best practice nationally in relation to use of appropriate standards to ensure safety for human exposure to electromagnetic fields.

The committee mirrors the following international committees:

Committee Name	Committee Title	Membership Type
<b>IEC/TC 106</b>	Methods for the assessment of electric, magnetic and electromagnetic fields associated with human exposure	P Member
<b>CLC/TC 106</b>	Electromagnetic fields in the human environment	N/A

### 3 Structure and Membership

#### 3.1 Structure



#### 3.2 Members

The table below lists the members represented on the committee in 2025:

Organisation	Role
Compliance Engineering Ireland	Chairperson
NSAI	Secretary
Compliance Engineering Ireland	Committee member
ESB	Committee members (x2)
Johnson Controls	Committee member
2RN	Committee member
Environmental Protection Agency	Committee members (x2)
EIR	Committee member
Dell	Committee member
Apple	Committee members (x3)
Intel	Committee member
Vodafone	Committee member
ComReg	Committee member

### 4 Summary of 2025 Activities

#### 4.1 National

NSAI/ETC/TC 15 met twice in 2025 with a strong attendance at both meetings.

##### 4.1.1 Meetings

Committee members participated in the following national meetings.

Meeting No.	Date	Minutes Reference
1	13 <sup>th</sup> May	N1084
2	7 <sup>th</sup> October	N1086

## 4.1.2 National Work

NSAI/ETC/TC 15 had no national deliverables in 2025. The committee's focus is on participation in International Standards development.

## 4.2 International/Regional

### 4.2.1 Meetings

Committee members attended CENELEC (CLC) meetings as follows:

Committee Name	Date	No. of Attendees
CLC TC 106X	21 <sup>st</sup> May	6
CLC TC 106X	4 <sup>th</sup> December	3

### 4.2.2 International/Regional Work

NSAI/ETC/TC 15 members participate on the following IEC/TC 106 and CLC/TC 106X working groups.

Name	Title
CLC/TC 106X/WG 1	Mobile phones and base stations
CLC/TC 106X/WG 2	Anti-theft devices
CLC/TC 106X/WG 7	Broadcasting
CLC/TC 106X/WG 15	EMF and implants
CLC/TC 106X/WG 17	EMF assessment in the electricity supply industry
CLC/TC 106X/WG 21	Basic standards and generic standards
IEC/TC 106X/WG 8	Assessing methods for assessment of contact current related to human exposures to electric, Magnetic and electromagnetic fields
IEC/TC 106X/WG 9	Assessing methods for assessment of Wireless Power Transfer (WPT) related to human exposures to electric, magnetic and electromagnetic fields

In addition to the above, NSAI/ETC/TC 15 members contribute to the development of international and regional standards in 2025 by advising NSAI on voting positions.

### 4.2.3 International/Regional Voting

IEC/TC 106: Ireland voted on all documents closed in 2025 with a 100% overall voting record.

CLC/TC 106X: Ireland voted on all documents closed in 2025 with a 100% overall voting record.

### 4.2.4 International/Regional Standards Reviewed

The work programme of CLC/TC 106X and IEC/TC 106 were monitored during 2025, with draft standards reviewed as necessary.

## 4.3 Regulatory Development/Update

CLC/TC 106X publishes standards concerned with the following European Directives.

- Directive 2014/30/EU - Electromagnetic Compatibility (EMC)

- Directive 2014/35/EU - The Low Voltage Directive (LVD)
- Directive 2014/53/EU – Radio Equipment Directive (RED)

These directives do not specify limits and rely on standards to specify correct and safe limits. The standards developed by CLC/TC 106X, when cited in the Official journal of the European union can be used to demonstrate compliance with these directives.

## 5 Irish Publications/Reviews

### 5.1 Publications

The Committee did not publish any national deliverables in 2025.

### 5.2 Reviews

The committee did not carry out any reviews of Irish national deliverables in 2025.

## 6 Work programme for 2026 onwards

NSAI/ETC/TC 15 plans to continue to monitor the work of CLC/TC 106X and IEC/TC 106. National experts nominated to working groups under CLC/TC 106X will contribute to their work programmes.