



**NSAI**

# ANNUAL REPORT 2018

**NSAI TECHNICAL COMMITTEES  
(NSAI ETC TC14 – ELECTRIC  
CABLES)**

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## 1 Chairman's Statement

2018 was a productive year for ETC TC14 as we continued to support and engage with ETC TC2 in the development of the "New Wiring Rules". I would like to thank members for confidence in nominating me as their new Chairperson in 2018 and I look forward to working with the committee in 2019.

## 2 Introduction

NSAI ETC TC14 is the national mirror committee responsible for coordinating the development of standards of low, medium and high voltage electric cables.

## 3 Scope of TC

To support the development of National and International Standards in the field of insulated conductors, cables and flexible cords and their accessories, for both low and high voltage. Furthermore, standards related to the data cable sector i.e. multicore, multipair and quad data communications cables are also within the scope of ETC TC14.

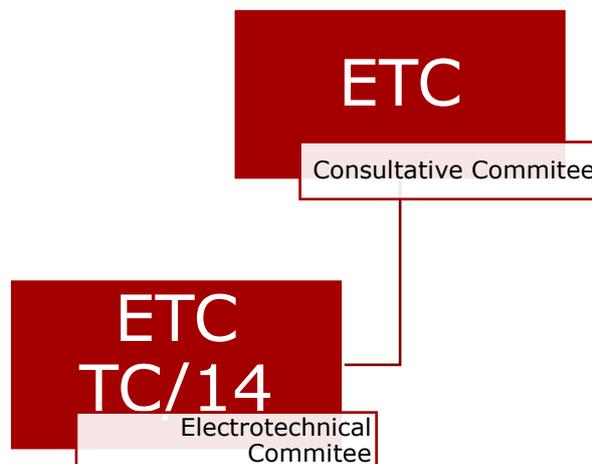
The committee mirrors the following international committees:

Committee Name	Committee Title
<b>CLC/TC 20</b>	Electric Cables
<b>IEC/TC 20</b>	Electric Cables
<b>CLC/TC 46X</b>	Communication Cables

## 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>CONDUCTIX</b>	Dominic Robinson	Chairperson
<b>ELAND CABLES</b>	Ivan Cleere	Committee Member
<b>BASEC</b>	Martin Jarvis	Committee Member
<b>LEDBURN CABLES</b>	Jack Ledwidge	Committee Member
<b>PRECISION CABLES</b>	Fergus O'Callaghan	Committee Member
<b>VARMING</b>	Gary Rafter	ETC TC2 Liaison

## 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	09 Oct 2018	N0512

#### 5.1.2 National Work

Recommendations were given to ETC TC2 in relation to minimum classifications under the Construction Products Regulation for guidance in development of the draft "New Wiring Rules".

### 5.2 International/Regional

#### 5.2.1 Meetings

Committee members did not attend any international meetings. Mirrored committee meetings that took place are listed below:

Committee Name	Location	Date	No. of Attendees
CLC/TC 20	Krakow, Poland	14+15 June '18	0
IEC/TC 20	Shanghai, China	5-9 November '18	0
CLC/TC 46X	Lisbon, Portugal	19+20 March '18	0

#### 5.2.2 International/Regional Voting

For CLC/TC20 the table below lists the documents that were voted on in 2018;

Reference	Title
EN IEC 60332-3-21:2018	Tests on electric and optical fibre cables under fire conditions - Part 3-21: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category A F/R
EN IEC 60332-3-22:2018	Tests on electric and optical fibre cables under fire conditions - Part 3-22: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category A
EN IEC 60332-3-23:2018	Tests on electric and optical fibre cables under fire conditions - Part 3-23: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category B
EN IEC 60332-3-24:2018	Tests on electric and optical fibre cables under fire conditions - Part 3-24: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category C
EN 60811-501:2012/A1:2018	Electric and optical fibre cables - Test methods for non-metallic materials - Part 501: Mechanical tests - Tests for determining the mechanical properties of insulating and sheathing compounds
EN 60811-501:2012/A1:2018	Electric and optical fibre cables - Test methods for non-metallic materials - Part 501: Mechanical tests - Tests for determining the mechanical properties of insulating and sheathing compounds
EN IEC 60332-3-25:2018	Tests on electric and optical fibre cables under fire conditions - Part 3-25: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category D
EN IEC 60332-3-10:2018	Tests on electric and optical fibre cables under fire conditions - Part 3-10: Test for vertical flame spread of vertically-mounted bunched wires or cables - Apparatus
EN IEC 60230:2018	Impulse tests on cables and their accessories
prHD 605 S3	Electric cables - Additional test methods
EN 50620:2017/prAA:2018	Electric cables - Charging cables for electric vehicles

CLC/TC 20 – Electric Cables documents voted on in 2018

For IEC/TC 20 Ireland voted on a total no. of 14 documents open in 2018 with a 100% overall voting record.

## 5.3 Regulatory Development/Update

ETC TC14 remain aware of the following Regulations and Directives;

- Low Voltage Directive (2014/35/EU) for cables from 50 V a.c. up to and including 1000 V a.c
- Construction Products Regulation (EU/305/2011) for all types of cables for general applications in construction works subject to reaction to fire requirements.

- Other legislation, including the Directive on the restriction of the use of certain hazardous substances (RoHS - (2011/65/ EU))
- Mandate M/443 - MANDATE TO CEN AND CENELEC CONCERNING THE EXECUTION OF STANDARDISATION WORK FOR HARMONIZED STANDARDS ON POWER, CONTROL AND COMMUNICATION CABLES RELATED TO THE FOLLOWING END USES:24/33: SUPPLY OF ELECTRICITY,26/33: COMMUNICATIONS,28/33: FIRE DETECTION AND ALARM
- ET101:2006 - 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 reviewed the following Irish national deliverables:

Proposed text for Clause 527 of the draft prI.S. 10101 – National Rules for Electrical Installations.

## 7 Work programme for 2019 onwards

At the meeting of ETC TC14 on the 9<sup>th</sup> of October 2018, members of the committee committed to the following work programme:

- To meet 3 to 4 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 TC14 Committee meeting that took place on the 9<sup>th</sup> of October 2018 in the NSAI, Santry.