



NSAI

ANNUAL REPORT 2020

NSAI TECHNICAL COMMITTEES
(NSAI/ETC/TC 16)

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1 Chairman's Statement

The work of NSAI/ETC/TC 16 continues apace. With the constantly evolving usage of the electromagnetic spectrum it is ever more important to develop standards that ensure compatibility between products in a complex electromagnetic environment. New technologies such as 5G, wireless charging, renewable energy systems and power line transmission have resulted in new interference scenarios which require new standards.

Power line communication devices continue to be of interest to mitigate interference in the low radiofrequency ranges. The increase in use of photovoltaic generation systems has risen new issues with the measurement of electromagnetic fields that are being generated by the DC to AC converters. There has been concern for some time about the impact of cabling systems, such cable TV and computer monitor cables on the compliance of systems and work is ongoing to investigate a solution to the problem.

The standards developed by NSAI/ETC/TC 16 are also extremely important to support the EMC and Radio Equipment Directives which are undergoing a change in emphasis by the European Commission which requires ongoing management by the technical committee.

The European Commission decided during 2020 to undertake a review of the EMCD which will be published in 2021.

2 Introduction

NSAI/ETC/TC 16 focus on standardization related to electromagnetic compatibility across the entire frequency spectrum. Consideration extends to all aspects of the ability of equipment or a system to function satisfactorily in its electromagnetic environment without introducing intolerable electromagnetic disturbances to anything in that environment.

3 Scope of TC

NSAI/ETC/TC 16 prepare European standards in the field of electromagnetic compatibility across the entire frequency spectrum.

Standards are available from www.standards.ie.

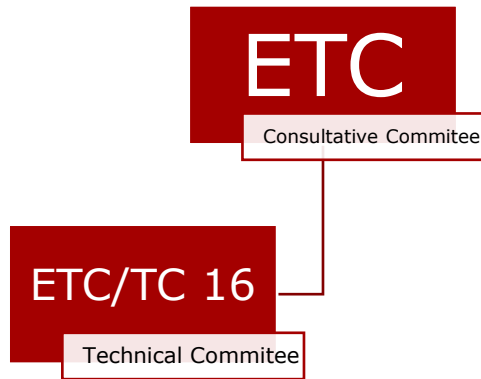
The committee mirrors the following international committees:

CLC TC 210;	Electromagnetic Compatibility (EMC)
CLC TC 8x	Only in relation to EN 50160
CLC TC 62	Only in relation to EN 60601-1-2
IEC TC 77;	Electromagnetic Compatibility
IEC ACEC;	Advisory Committee on Electromagnetic Compatibility
IEC CISPR;	International Special Committee on Radio Interference
IEC TC 47/SC 47A	Integrated Circuits

4 Structure and Membership

4.1 Structure

The Figure below illustrates the structure of the Committee:



4.2 Irish Industry/Sector

NSAI/EC/TC 16 is made up of manufacturers of electrical and electronic equipment, test houses, consultants, utilities, notified body, regulator, academia and equipment users.

4.3 Members

The table below provides the names of the committee members for the year 2020:

Name	Organisation	Role
Abhishek Ramanujan	(Analog)	Member
Amanda-Jane Gainford	(NSAI)	SECRETARY
Brendan Minish	(IRTS)	Member
Charles Twomey	(Independent)	Member
CJ Roy	(ESBI)	Member
Dave Newell	(Medtronic)	Member
Dries Neiryneck	(Decawave)	Member
John Ging	(EirGrid)	Member
John McAuley	(CEI)	CHAIR
Johnny Evans	(2RN)	Member
Michael O'Dwyer	(Apple)	Member
Naoise McSweeney	(E.M.T.)	Member
Noleen Campbell	(NSAI)	Member
Paul Reilly	(CEI)	Member
Peter Kelleher	(Dell)	Member
Rory McCafferty	(ComReg)	Member
Thomas O'Connell	(Intel)	Member
Thomas O'Toole	(Analog)	Member
Tom O'Brien	(E.M.T.)	Member

5 Summary of 2020 Activities

5.1 National

5.1.1 Meetings

Committee Members attended the following Virtual National meetings:

Meeting No.	Date	Minutes Reference
1	7 th December 2020	N0775

NSAI/ETC/TC 16 meetings meets twice a year usually just before the CENELEC TC 210 meeting. As a result of Covid-19 the CENELEC meeting schedule for May 2020 was cancelled so the committee met just once in 2020.

5.1.2 National Work

It was intended to hold at least two national committee meetings and attend TC meetings during 2020.

5.2 International/Regional

5.2.1 Meetings

Committee Members attended international CENELEC (CLC) and IEC meetings as follows:

Committee Name	Location	Date	No. of Attendees
CLC TC 210	Virtual	8 th – 9 th December 2020	3 (JMCA, MO’D, AJG)

5.2.2 International/Regional Work

The May 2020 plenary meeting of CLC/TC TC210, which was to be held in Dublin, was cancelled due to the COVID-19 pandemic. The December plenary meeting was held virtually.

5.2.3 International/Regional Voting Results

NSAI/ETC/TC 16 propose a vote where required for IEC or CENELEC documents, which NSAI submits to the relevant bodies.

The committee actively voted on 8 documents in 2020.

- IEC/TC 77C: Ireland has actively voted 1 time in 2020.
- IEC/CISPR: Ireland has actively voted 3 times in 2020.
- IEC/CISPR/CIS/A: Ireland has actively voted 2 times in 2020
- IEC/CISPR/CIS/B: Ireland has actively voted 1 time in 2020
- IEC/CISPR/CIS/I: Ireland has actively voted 1 time in 2020

6 Work programme for 2021 onwards

It is intended to hold at least two committee meetings and attend WG meetings during 2021. The next plenary meetings of CLC/TC TC210 to be held in April 2021 virtually.

7 Additional Information

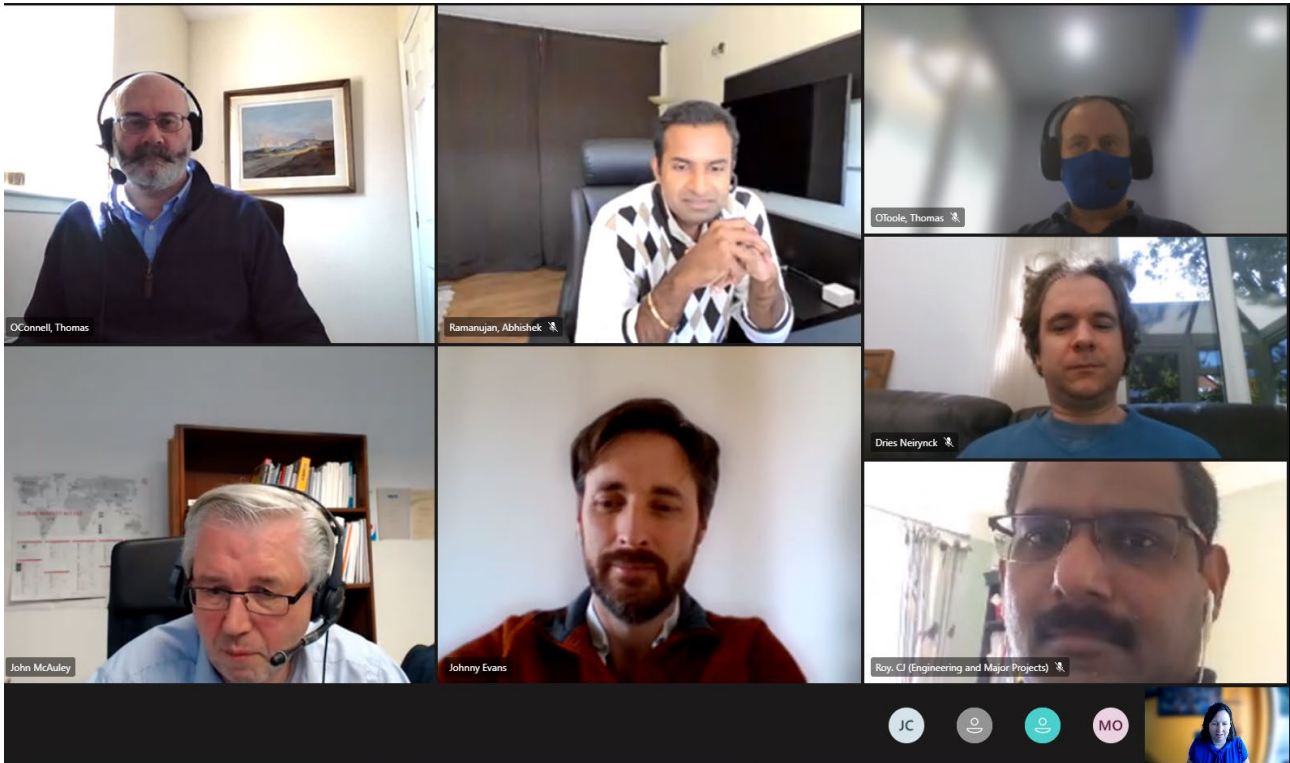


FIGURE 1 COMMITTEE GROUP PHOTOGRAPH TAKEN AT AN MS TEAMS COMMITTEE MEETING