



NSAI

ANNUAL REPORT 2025

NSAI TECHNICAL COMMITTEES
(ETC/TC 10 ELECTRICAL
EQUIPMENT IN MEDICAL
PRACTICE)

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1 Chairpersons statement

This year we have seen tremendous collaboration and fruitful work on Electrical Equipment, Software and Systems used in medical practice, not least with the emergence of Artificial Intelligence that is impacting every facet of healthcare.

The committee representing this cohort of standards has made a significant contribution to the development and review of standards that improve safety and performance of medical healthcare.

The regulatory changes is a primary source of new standards, though so too is the growth in skillset arising from new technologies being adopted for improved health.

It has been my pleasure to work with the NSAI team and all the volunteers in each Technical Committee that I am fortunate to work with. The team are cross-functional from clinicians in medical practice, manufacturers of medical devices and suppliers of services from testing to distribution. The individual and collective drive to improve standards for all is a reflection of the values that underpin National Standards Organisations.

I would like to thank all participants of our committees, experts, liaisons and particularly representatives from NSAI, that make this work possible and do a lot of the heavy lifting. This allows the experts to achieve more through their participating contributions. Their dedication and support is essential to the success of this work.

I look forward to working with everyone again in 2026 and achieving great things for ETC TC 10.

2 Introduction

NSAI/ETC/TC 10 is the national mirror committee to IEC/TC 62 and its subcommittees, and CLC/TC 62, with responsibility for coordinating the development of standards for electrical equipment used in medical practice, in particular the IEC 60601 series of standards.

IEC 60601 standards improve safety in the use of medical electrical equipment by providing a body of standards that assist:

- Manufacturers in designing & assembling safe medical electrical equipment & systems;
- Manufacturers, test houses & regulatory authorities in assessing compliance with requirements set forth in the standard; and
- Health care professionals in managing the risks associated with use of these products.

2025 was another a busy year for NSAI/ETC/TC 10 which saw Irish experts contributing extensively to numerous significant projects ongoing in IEC/TC 62, including the next editions of IEC 60601-1 and IEC 62304, and several new standards relating to Artificial intelligence.

2025 also saw the widespread proliferation of Online standards development tools which have been embraced by the members of NSAI/ETC/TC 10 in the numerous international standards development projects being undertaken by members.

3 Scope of TC

NSAI TC ETC 10 provides a national focal point for the development of the IEC 60601 series of standards.

The goal of the IEC 60601 standards is to improve safety in the use of Medical equipment by providing a body of standards to assist manufacturers, users and patients alike.

ETC TC 10 is responsible for co-ordinating national participation in the work of IEC TC 62 and its 4 sub-committees and CLC TC 62.

Another function of ETC TC 10 is to provide expertise and assist in developments of IEC 60364 Part 7-710 - Requirements for special installations or locations - Medical locations and developments of National rules for electrical installations

The committee mirrors the following international committees:

Committee Name	Committee Title	Membership
IEC/TC 62	Medical equipment, software, and systems	P-Member
IEC/SC 62A	Common aspects of medical equipment, software, and systems	P-Member
IEC/SC 62B	Medical imaging equipment, software, and systems	O-Member
IEC/SC 62C	Equipment for radiotherapy, nuclear medicine and radiation dosimetry	O-Member
IEC/SC 62D	Particular medical equipment, software, and systems	P-Member
CLC/TC 62	Electrical equipment in medical practice	N/A

Additionally, the committee mirrors the following;

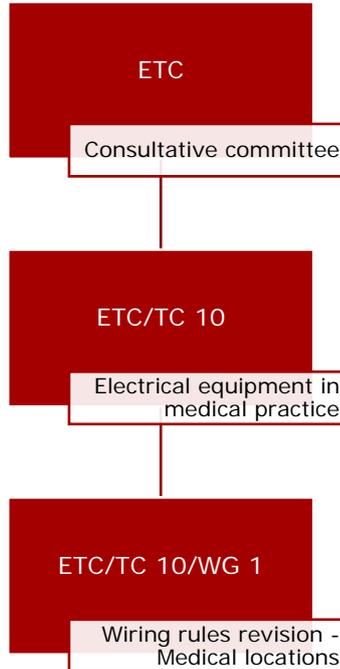
Committee Name	Committee Title
IEC/TC 64/MT40	Electrical installations and protection against electric shock - Maintenance of IEC 60364-7-710 - Medical locations
CLC/TC 64/WG6	Medical locations

Members of NSAI/ETC/TC 10 are also participants on the above.

4 Structure and Membership

4.1 Structure

The Figure below illustrates the structure of the Committee:



4.2 Members

The list below are the organizations represented on NSAI/ETC/TC 10 in 2025:

Organisation
Dundalk IT – Chairperson
NSAI - Secretary
Bender
Beaumont Hospital
Naas General Hospital
National Maternity Hospital
Mercury Engineering
Scholan Ireland
Tyndall Institute
St. Lukes Hospital
BD
St. James' Hospital
HSE Estates
Compliance Engineering Ireland
Resmed
Tallaght University Hospital
Stryker
Boston Scientific
Cosmo Pharma
Symphysis Medical
Independent Experts

5 Summary of 2025 Activities

5.1 National

5.1.1 Meetings

Committee members participated in following national meetings;

Meeting No.	Date	Minutes Reference
1	11 th February	N1199
2	29 th April	N1201
3	2 nd September	N1203
4	25 th November	N1206

5.1.2 National Work

NSAI/ETC/TC 10 had no national deliverables in 2025. The committee's focus is on participation in International Standards development.

5.2 International/Regional

5.2.1 Meetings

NSAI/ETC/TC 10 members continued their significant contribution in 2025 to the IEC/TC 62 work programme.

Committee members attended IEC meetings as follows:

Committee	Start	No of attendees
IEC/TC 62/AG SNAIG	2025-03-20	1
IEC/SC 62A/WG 47	2025-03-30	1
IEC/SC 62A/WG 48	2025-04-02	1
IEC/SC 62A/WG 39	2025-04-02	1
IEC/SC 62D/MT 23	2025-04-07	1
IEC/SC 62A/MT 49	2025-04-07	1
IEC/TC 62/AG SNAIG	2025-09-15	1
IEC/SC 62A/WG 48	2025-11-03	1
IEC/SC 62A/WG 47	2025-11-03	1
IEC/SC 62A	2025-11-03	1
IEC/TC 62	2025-04-02	1
IEC/SC 62D	2025-11-03	1
IEC/TC 62/PT 63450	2025-11-03	1
IEC/SC 62A/MT 49	2025-11-03	1
IEC/SC 62A/WG 48	2025-11-03	1
IEC/SC 62A/WG 39	2025-11-03	1
IEC/SC 62A/WG 43	2025-11-03	1
IEC/SC 62D/MT 23	2025-12-08	1

5.2.2 International/Regional Work

NSAI ETC TC10 monitors and advises in relation to NSAI's position on the work being undertaken by CENELEC and IEC in the areas of Medical equipment, software and systems.

In addition to active participation on numerous international standards development projects, NSAI/ETC/TC 10 members contributed to the development of international and regional standards in 2025 by advising NSAI on voting positions.

5.2.3 International/Regional Voting

IEC/TC 62: Ireland voted on all documents closed in 2025 with a 100% overall voting record.

IEC/SC 62A: Ireland voted on all documents closed in 2025 with a 100% overall voting record.

IEC/SC 62D: Ireland voted on all documents closed in 2025 with a 100% overall voting record.

CLC/TC 62: Ireland voted on all documents closed in 2025 with a 100% overall voting record.

The committee actively voted on 7 items in 2025.

Vote Reference	Committee	Decision	Comments Submitted
62A/1639/CD	IEC/SC 62A	Comments Only	No
62/540/NP	IEC/TC 62	Approve	No
CLC/TC 62 Decision 01/2025 to temporarily remove links to the medical devices mandate M/575 MDR and IVDR	IEC/TC 62	Approve	No
62/559/DPAS	IEC/TC 62	Approve	Yes
62/571/NP	IEC/TC 62	Approve	No
62/568/NP	IEC/TC 62	Approve	No
62D/2240/CD	IEC/TC 62A	Comments Only	Yes

5.2.4 International/Regional Standards Reviewed

The work programme of both CLC/TC 62 and IEC/TC 62, SC 62A, 62B, 62C & 62D were monitored during 2025.

5.3 Regulatory Development/Update

Standards supporting the Medical Device Regulation (MDR) and In Vitro Device Regulation (IVDR) are a key focus of the work programme for CLC/TC 62.

Members of NSAI/ETC/TC 10 recognise the challenges faced by CLC/TC 62 in developing robust, fit for purpose standards which may be used to provide a presumption of conformity with the aforementioned regulations, and are committed to assisting in this process where possible.

6 Irish Publications/Reviews

6.1 Publications

The committee did not publish any deliverables this year.

6.2 Reviews

The committee did not review any national documents.

7 Work programme for 2026 onwards

In 2026, ETC/TC 10 plans to continue to monitor the work of CLC/TC 62 and IEC/TC 62, SC 62A, SC 62B, SC 62C, SC 62D and continue contributing to various international standard development projects.