



ANNUAL REPORT 2025

NSAI TECHNICAL COMMITTEE
NSAI/ETC/TC 20 - "SMART GRIDS,
RENEWABLES, ELECTRIC VEHICLES
AND ENERGY EFFICIENCY"

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1 Introduction

NSAI/ETC/TC 20 was established as a national mirror committee to mirror the work of several European and international standards committees in the areas of smart grids, renewables, electric vehicles and energy efficiency.

2 Scope of TC

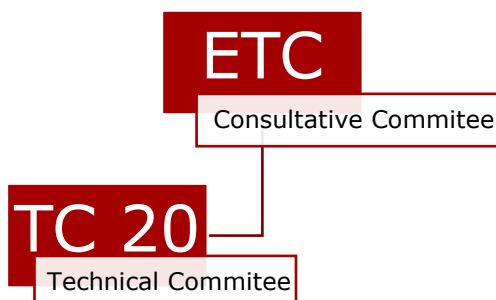
The scope of NSAI/ETC/TC 20 is to follow and contribute to the work of the CENELEC and IEC committees listed below.

Committee Name	Committee Title
CENELEC TC 8X	Systems aspects of electrical energy supply
IEC TC 8	Systems aspects of electrical energy supply
CENELEC TC 57	Power systems management and associated information exchange
IEC TC 57	Power systems management and associated information exchange
CENELEC TC 69X	Electric systems for electric road vehicles
IEC TC 69	Electrical power/energy transfer systems for electrically propelled road vehicles and industrial trucks
CENELEC TC 88	Wind Energy
IEC TC 88	Wind Energy
IEC TC 22	Power electronic systems and equipment
CENELEC TC 22X	Power Electronics
IEC TC 120	Electrical energy storage (EES) systems

3 Structure and Membership

3.1 Structure

The Figure below illustrates the structure of the Committee:



3.2 Member Organisations

The list below includes the member organisations at year end 2025:

Organisation	Role
ESB	Chairperson
NSAI	Secretary
Analog Devices International	Committee Member
BrightWind Analysis	Committee Member
CIMple Data	Committee Member
Munster Technological University	Committee Member
Dundalk Institute of Technology	Committee Member
EirGrid	Committee Member
Dept. of Environment, Climate & Comm.	Committee Member
Eninserv	Committee Member
ESBI	Committee Member
Evhacs	Committee Member
University of Galway	Committee Member
Sustainable Energy Authority of Ireland	Committee Member
University College Cork	Committee Member
TB Wind Energy Consultancy	Committee Member
University College Dublin	Committee Member
Technological University Dublin	Committee Member

4 Summary of 2025 Activities

4.1 National

4.1.1 Meetings

Committee members attended the following national meetings in NSAI as follows:

Meeting No.	Date	Minutes Reference
1	22 January 2025	N 780
2	11 June 2025	N 796

4.2 International/Regional

4.2.1 Meetings

Committee members attended various international and regional meetings throughout 2025, both virtually and in-person, across multiple working groups and technical committees.

4.2.2 International/Regional Work

NSAI experts contributed to the development of various standards and technical specifications related to the electrotechnical aspects of smart and renewable energy in 2025. Members of NSAI/ETC/TC 20 were involved in standards development work at both International and European levels, reviewing numerous standards throughout the year.

4.2.3 International/Regional Voting Results

NSAI/ETC/TC 20 via NSAI voted on a number of 59 ballots closed within IEC in 2025 and maintained a 100% overall voting record.

NSAI/ETC/TC 20 via NSAI voted on all parallel ballots to the IEC ballots counted above and all other ballots at CENELEC (regional) level in 2025, in line with the conditions of NSAI membership to CENELEC.

5 Irish Publications/Reviews

5.1 Publications

The Committee did not publish any deliverables this year.

5.2 Reviews

The Committee did not review any Irish national deliverables.

6 Work programme for 2025 onwards

The committee will continue to review its scope and structure in 2026 with a view to rationalising and improving engagement with international standardisation work.