



NSAI

ANNUAL REPORT 2023

NSAI TECHNICAL COMMITTEES
(NSAI ETC TC18 – MARINE
ENERGY - WAVE, TIDAL AND
OTHER WATER CURRENT
CONVERTERS)

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1 Introduction

NSAI ETC TC18 is Ireland's National Mirror Committee of the [IEC/TC 114 - Marine energy - Wave, tidal and other water current converters](#). The IEC TC 114 was formed to prepare international standards for marine energy conversion systems. The group has grown from an initial small number to now having 18 Participating members and 12 Observing members spread across the globe.

2 Scope of TC

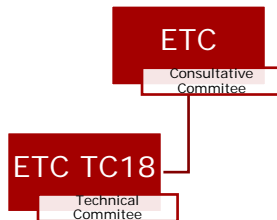
To support the preparation of international Technical Specifications for marine energy conversion systems. The primary focus is on the conversion of wave, tidal and other water current energy into electrical energy, although other conversion methods, systems and products are included. Tidal barrage, dam installations and offshore wind energy are excluded. The committee mirrors the following international committees:

Committee Name	Committee Title
IEC/TC 114	Marine energy - Wave, tidal and other water current converters

3 Structure and Membership

3.1 Structure

The Figure below illustrates the structure of the Committee:



3.2 Members

The table below identifies the organisations represented on the committee:

Organisation	Role
Exceedence	Chairperson
NSAI	National Secretary
DP Energy	Committee Member
BME Consulting	Committee Member
ARR Ltd	Committee Member
Pure Marine	Committee Member
SEAI	Committee Member
Wave Venture	Committee Member
ORPC	Committee Member
Bluewise Marine	Committee Member
Tidal Flyer	Committee Member

Organisation	Role
Open Ocean Energy	Committee Member
UCC	Committee Member
Techworks	Committee Member
Rockall Solutions	Committee Member
XOCEAN	Committee Member
UCC	Committee Member
CEI	Committee Member
G-Kinetic	Committee Member
NUI Galway	Committee Member
WaveRam	Committee Member
SSE	Committee Member
Techworks	Committee Member
PO Maritime	Committee Member
DCU	Committee Member
ESB	Committee Member

4 Summary of 2023 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 February 2023	N-XXX

4.1.2 National Work

NSAI ETC TC18 was not involved in any National deliverables in 2023. NSAI ETC TC18 supports all National stakeholders who have an interest in Marine Energy in benefitting from Standards being developed at IEC level.

4.2 International/Regional

4.2.1 Meetings

The IEC TC114 Plenary meeting for 2023 was held in Edinburgh, UK from the 19th to 20th of April 2023. 3 NSAI delegates participated in proceedings.

Members of the national committee continued to partake in technical body meetings throughout the year in a virtual capacity.

The next meeting of IEC TC114 is provisionally scheduled to take place in April 2024 in Jeju, KR.

4.2.2 International/Regional Work

No international technical specifications were published in 2023.

4.2.3 International/Regional Voting Results

IEC/TC 114: There were no new proposals open in 2023. This reflects the development stages that were underway during 2023. A number of stability dates due to be reached in 2023 were extended at the 2023 plenary. A higher number of formal ballots is anticipated for 2024.

5 Irish Publications/Reviews

5.1 Publications

The Committee did not publish any national deliverables in 2023.

5.2 Reviews

There are no existing national publications. No reviews were carried out in 2023.

6 Work programme for 2024 onwards

The number of NSAI ETC TC 18 experts engaged with IEC Standards development and active in IEC TC 114, remains the highest within the ETC sector. Ireland is ranked 5th, behind only the U.S., U.K., China, and Korea for number of active members in 2023. The IEC work programme for 2024 will see Irish experts continue to play a pivotal role in the development of International Standards for Marine Energy and the committee will seek to maintain the influence already established.