



SESKO

Vuorovesi- ja aaltoenergiamuuntimien standardointi

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IEC TC 114 Marine energy – Wave, tidal and other water current converters

To prepare international standards for marine energy conversion systems.

The primary focus will be on conversion of wave, tidal and other water current energy into electrical energy, although other conversion methods, systems and products are included.

The standards produced by TC 114 will address:

- terminology;**
- management plans for technology and project development;**
- performance measurements of marine energy converters;**
- resource assessments;**
- design and safety including reliability and survivability;**
- deployment, commissioning, operation, maintenance, retrieval and decommissioning;**
- electrical interface, including array integration and / or grid integration;**
- testing laboratory, manufacturing and factory acceptance;**
- additional measurement methodologies and processes.**

Basics for RE systems standardization

Terms and definitions

IEC TS 62600-1:2020 Marine energy - Wave, tidal and other water current converters - Part 1: Vocabulary

Evaluation local primary energy resources

IEC TS 62600-101:2015 Marine energy - Wave, tidal and other water current converters - Part 101: Wave energy resource assessment and characterization

RE system design requirements

IEC TS 62600-2:2019 Marine energy - Wave, tidal and other water current converters - Part 2: Marine energy systems - Design requirements

RE system energy conversion performance

IEC TS 62600-100:2012 Marine energy - Wave, tidal and other water current converters - Part 100: Electricity producing wave energy converters - Power performance assessment

RE system grid connection

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IEC TC 114 Work programme (7)

Marine energy - Wave, tidal and other water current converters

- IEC TS 62600-2 ED3 Part 2: Marine energy systems - Design requirements
- IEC TS 62600-100 ED2 Part 100: Electricity producing wave energy converters - Power performance assessment
- IEC TS 62600-101 ED2 Part 101: Wave energy resource assessment and characterization
- IEC TS 62600-103 ED2 Part 103: Guidelines for the early stage development of wave energy converters - Best practices and recommended procedures for the testing of pre-prototype devices
- IEC TS 62600-200 ED2 Part 200: Electricity producing tidal energy converters - Power performance assessment
- IEC TS 62600-201 ED2 Part 201: Tidal energy resource assessment and characterization
- IEC TS 62600-41 ED1 Measurement and characterization of biofouling accumulation

Uusiutuvan energiajärjestelmien sertifiointi



IECRE - RENEWABLE ENERGY

IEC SYSTEM FOR CERTIFICATION TO STANDARDS RELATING TO EQUIPMENT FOR USE IN RENEWABLE ENERGY APPLICATIONS

<https://www.iecre.org/>

IECRE Sectors: [Solar PV Energy](#), [Wind Energy](#), [Marine Energy](#)

IEC [Standards](#) operated by the IECRE: TC 82, TC 88, TC 114

Reference material:

- [Rules, Operational Documents & Guides](#)
- [Presentations & Promotional Materials](#)
- [IECRE certificates](#)

SESKO SR 114 MERIENERGIA – VUOROVESI- JA AALTOENERGIAMUUNTIMET

IEC TC 114 toimintaan osallitutaan SESKOn seurantaryhmässä SR 114
SR 114 sisältyy SESKOn Puhdas Energia -kampanjaan 2022/2023

Näin pääset mukaan toimintaan:

- Täytä [yhteydenottolomake](#) SESKOn verkkosivuilla tai sähköposti [Arto Sirviölle](#)
- SESKOn toimisto lähettää esitäytetyn liittymislomakkeen
- Palauta lomake täydennettynä ja allekirjoitettuna sähköpostin liitteenä.
- Saat käyttäjätunnukset standardoinnin palveluihin (IEC/CLC/SESKO).
- Perehdytys standardoinnin prosesseihin ja rutiineihin.

Yhteystiedot

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