

**TR IEC/TS 62600-1:2023**  
**IEC/TS 62600-1:2020, IDT**  
(ICS 27.140)

**TECHNICAL REFERENCE**

**Marine energy – Wave, tidal and other water  
current converters**

– Part 1: Vocabulary

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## National Foreword

This Technical Reference (TR) was prepared by the Working Group on Marine Energy set up by the Technical Committee on Power System and Utilisation under the purview of the Electrical and Electronics Standards Committee.

This TR is an identical adoption of IEC/TS 62600-1:2020, “Marine energy – Wave, tidal and other water current converters – Part 1: Vocabulary” published by the International Electrotechnical Commission.

This TR is a provisional standard made available for application over a period of three years. The aim is to use the experience gained to update the TR so that it can be adopted as a Singapore Standard. Users of the TR are invited to provide feedback on its technical content, clarity and ease of use. Feedback can be submitted using the form provided in the TR. At the end of the three years, the TR will be reviewed, taking into account any feedback or other considerations, to further its development into a Singapore Standard if found suitable.

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# TECHNICAL SPECIFICATION



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## Marine energy – Wave, tidal and other water current converters – Part 1: Vocabulary





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67 000 electrotechnical terminology entries in English and French extracted from the Terms and Definitions clause of IEC publications issued since 2002. Some entries have been collected from earlier publications of IEC TC 37, 77, 86 and CISPR.



# TECHNICAL SPECIFICATION



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## Marine energy – Wave, tidal and other water current converters – Part 1: Vocabulary

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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## CONTENTS

FOREWORD .....	3
INTRODUCTION .....	5
1 Scope .....	6
2 Normative references .....	6
3 Terms and definitions .....	6
Bibliography.....	17
Figure 1 – Six degrees of freedom – Floating device .....	8
Figure 2 – Six degrees of freedom – Submerged device .....	8
Figure 3 – Equivalent diameter calculations for various projected capture areas .....	10
Figure 4 – Principal flow direction .....	13

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**MARINE ENERGY – WAVE, TIDAL AND OTHER  
WATER CURRENT CONVERTERS –****Part 1: Vocabulary****FOREWORD**

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Technical Specification are subject to review within three years of publication to decide whether they can be transformed into International Standards.

IEC TS 62600-1 which is a Technical Specification, has been prepared by IEC technical committee 114: Marine energy – Wave, tidal and other water current converters.



This 2<sup>nd</sup> edition cancels and replaces the 1<sup>st</sup> edition published in 2011, and its Amendment 1, published in 2019. This edition constitutes a technical revision.

This edition includes the following significant technical changes from the previous edition:

- a) Approximately 45 % of the original terms which were either not in use, used only in a glossary sense, or which are commonly understood and found in other references were removed.
- b) Thirteen (13) terms considered more general than tidal were moved up from IEC TS 62600-200 and added.
- c) Eight (8) terms that were added in Amendment 1 to IEC TS 62600-1 were incorporated alphabetically.
- d) Six (6) additional new terms were added.

The text of this Technical Specification is based on the following documents:

Draft TS	Report on voting
114/330/DTS	114/342/RVDTS

Full information on the voting for the approval of this Technical Specification can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 62600 series, published under the general title *Marine energy – Wave, tidal and other water current converters*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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## INTRODUCTION

This Technical Specification has been developed as a tool for the international marine energy community, to assist in creating clarity and understanding. The wave, tidal and water current energy industry has recently experienced a period of rapid growth and sector development. With this expansion, it became apparent that a document defining the terms used within the sector was required. The aim of this document is to present clear and consistent language that will aid the development of programs, projects, and future standards.

This document lists the terms that the marine energy industry uses. It is an evolving document that will change as new terms and symbols are added. The terminologies herein have been harmonized with IEC 60050 and other IEC documents as far as possible. The document does not constitute a full glossary of terms used in the marine energy community.

# MARINE ENERGY – WAVE, TIDAL AND OTHER WATER CURRENT CONVERTERS –

## Part 1: Vocabulary

### 1 Scope

This part of IEC 62600 defines the terms relevant to marine energy. For the purposes of this document, sources of ocean and marine renewable energy are taken to include primarily devices that convert wave, tidal and other water current energy into electrical energy, although other conversion methods, systems and products are included.

Terms relating to conventional dam and tidal barrage, offshore wind, marine biomass, and salinity gradient energy conversion are not included in the scope of this document.

This document is intended to provide uniform terminology to facilitate communication between organizations and individuals in the marine energy industry and those who interact with them.

### 2 Normative references

There are no normative references in this document.