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Ships and marine technology — Maritime education and training — Maritime career guidance

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 8, Ships and marine technology.

This first edition of ISO 24438 cancels and replaces the first edition (ISO/PAS 24438:2020) which has been technically revised.

The main changes are as follows:

- editorial changes throughout the document;
- in <u>Clause 5</u>, added a provision of general information for <u>Tables 1</u> to <u>11</u>;
- in <u>Table 9</u>, added a provision of "7. Maritime system and equipment expert".

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

The International Maritime Organization (IMO) has identified a strong need to recruit and retain seafarers globally. This document has been developed to help recruit new maritime professionals and to assist them, as well as existing maritime professionals, to enter and build their career paths for their professional achievement within the international maritime industry. Additionally, it aims to provide professional alternatives and information pertaining to existing maritime industry stakeholders who are faced with career path decisions due to industry evolution, personal circumstances or changes in professional goals in order to adapt to these changes.

The rationale of having a functional career guidance document is to provide a reference for possible me candit. occupations in the maritime industry, including minimum education and training requirements for a given occupation so that candidates can take the necessary steps to meet their goals.

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1 Scope

This document provides a powerful decision-making tool for persons that either have clear professional development goals or uncertainties related to the progression of their career paths, including minimum education and training requirements for many of the maritime-related occupations. It aims to assist candidates to take the necessary steps to meet their goals. This document seeks to assist professionals in (or those who would like to enter) the maritime sector, on board or ashore, in determining their professional goals, establishing how to achieve them through this proactive tool, taking into consideration:

- personal circumstances and academic background;
- previous work experience, knowledge and skills;
- short, medium and long-term ambitions;
- changing education and training requirements resulting from continual industry evolution;
- current and future job opportunities,
- impact of technology, and
- shifting personal interests, attitudes, abilities, and goals.

This document helps identify many of the potential jobs within the maritime industry, on board and ashore, in order to provide alternative career paths.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at https://www.iso.org/obp
- IEC Electropedia: available at https://www.electropedia.org/

4 Basic concept of maritime career guidance

4.1 General

The basic concept of this document is shown in <u>Figures 1</u> to <u>3</u>, which provide the general categories of many of the careers available in the maritime industry.