

Ships and marine technology — ECS databases — Content, quality, updating and testing

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National foreword

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Summary of pages

This document comprises a front cover, an inside front cover, the ISO title page, pages ii to v, a blank page, pages 1 to 14, an inside back cover and a back cover.

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qualité, mise à jour et essais*



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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.

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ISO 19379 was prepared by Technical Committee ISO/TC 8, *Ships and marine technology*, Subcommittee SC 6, *Navigation*.

Introduction

This International Standard covers the content, quality, updating and testing of an Electronic Charting System (ECS) Database. This International Standard does not cover the system (hardware and operating software) on which the ECS Database is used. Its purpose is to clearly define the *minimum* acceptable requirements for electronic chart data to support a system of electronic charts with maximum safety, efficiency and convenience. The three requirements, contents, quality and updating, seriously impact the safety of navigation. Hence the provisions of this International Standard that define these requirements are made with care, consistent with concerns for navigational safety. All three of the requirements lend themselves to precise description, definition and measurement. Hence it is reasonable to rely on a Standard to assure a major contribution to navigation safety when using a compliant electronic chart.

ECS are Electronic Chart Systems that electronically display the real-time vessel position and relevant nautical chart data and information from the ECS Database on a display screen, but do not meet all of the IMO requirements for ECDIS and are not intended to satisfy the SOLAS Chapter V requirement to carry a navigational chart.

National regulatory authorities may wish to require compliance with this International Standard for data used in ECS or other electronic navigation systems regulated by their countries.

