

ICS 47.020.70

CCS U 65



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 37417-2019

**Maritime navigation and radiocommunication equipment and
systems - Track control systems - Operational and performance
requirements, methods of testing and required test results**

Issued on: May 10, 2019

Implemented on: December 1, 2019

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

Table of Contents

Foreword

1 Scope

2 Normative references

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the redrafting method to modify the use of IEC 62065.2014 "maritime navigation and radio communication equipment and system track control

System operation and performance requirements, test methods and required test results.

This standard has no structural change compared to IEC 62065.2014.

The technical differences between this standard and IEC 62065.2014 and their reasons are as follows.

--- Deleted Figure G.4 of IEC 62065.2014 to adapt to the technical conditions of our country.

This standard is proposed and managed by the National Marine Electrical and Electronic Equipment Standardization Technical Committee (SAC/TC531).

This standard was drafted. China Shipbuilding Industry Comprehensive Technology and Economic Research Institute, China Shipbuilding Technology Co., Ltd., China Shipbuilding Industry

Jiujiang Branch of the 707th Research Institute of the Group Company and the 707th Research Institute of China Shipbuilding Industry Corporation.

1 Scope

This standard specifies the relevant operations of the track control system recommended in accordance with Appendix 2 of Resolution MSC.74(69) of the International Maritime Organization (IMO).

And basic performance requirements, test methods and required test results. This standard considers IMO A.694 associated with IEC 60945.

(17) Resolution.

When this standard is inconsistent with the requirements of IEC 60945, the requirements of

this standard are preferred. This standard also refers to IMOMSC.302

(87) The relevant requirements of the Bridge Alarm Management (BAM) in the resolution.

Note. All references to IMO resolutions in this standard are printed in italics.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

IEC 60945 Maritime navigation and radiocommunication equipment and systems - General requirements test methods and test results

(Maritimenavigationandradiocommunicationequipmentandsystems-Generalrequirements-Meth-

Odsoftestingandrequiredtestresults)

IEC 61162 (all parts) Maritime navigation and radio communication equipment and systems digital interface (Maritimenavigationand

radiocommunicationequipmentandsystems-Digitalinterfaces)

Maritime navigation and radiocommunication equipment and systems - Digital interface - Part 1. Single and multi-speakers

(Maritimenavigationandradiocommunicationequipmentandsystems-Digitalinterfaces-Part 1.

Singletalkerandmultiplelisteners)

Maritime navigation and radiocommunication equipment and systems - Digital interface - Part 2. Single and multi-speakers,

High-speed transmission

(Maritimenavigationandradiocommunicationequipmentandsystems-Digitalinterfaces-

Part 2. Singletalkerandmultiplelisteners, high-speedtransmission)

Maritime navigation and radio communication equipment and systems - Integrated navigation systems - Part 2. Integrated navigation system modules

Structural operation and performance requirements, test methods and required test results (Maritimenavigationandradiocommunication-

equipmentandsystems-Integratednaviationsystems-Part 2.

ModularstructureforINS-Opera-

Tional and performance requirements, methods of testing and required test results)

IEC 62288 maritime navigation and radiocommunication equipment and systems

Requirements, test methods and required test results

(Maritime navigation and radiocommunication equipment and

systems-Presentation of navigation-related information on shipborne navigational displays-General

requirements-Method of testing and required results)

IEC 62616 Maritime Navigation and Radiocommunication Equipment and Systems Bridge Navigational Watch Alarm System (BNWAS) [Maritime

Navigation and radiocommunication equipment and systems-Bridge navigational watch alarm system

(BNWAS)]

IMOMSC.74(69) Resolution 2 of the Resolution Recommendations on Performance Standards for Track Control Systems (Recommendation on