

BUREAU OF INDIAN STANDARDS

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*भारतीय मानक मसौदा*

जहाज और समुद्री प्रौद्योगिकी — जहाज पर साइबर सुरक्षा का आकलन

*Draft Indian Standard*

**SHIPS AND MARINE TECHNOLOGY — ASSESSMENT OF ONBOARD  
CYBER SAFETY**

ICS: 47.020.01

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**Last Date for Comments:** 18/08/2024

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Shipbuilding Sectional Committee, TED 17

## NATIONAL FOREWORD

This draft Indian Standard which is identical with ISO 23799: 2024 ‘Ships and marine technology — Assessment of onboard cyber safety’ issued by International Organization for Standardization (ISO), will be adopted by the Bureau of Indian Standards on the recommendations of Shipbuilding Sectional Committee and after approval of the Transport Engineering Division Council.

The text of ISO standard is proposed for publication as an Indian Standard without deviations. Certain terminologies and conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words ‘International Standard’ appear referring to this draft standard, they should be read as ‘Indian Standard’.
- b) Comma (,) has been used as a decimal marker, while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this draft standard, reference appears to certain International Standard for which Indian Standard also exist. The corresponding Indian Standard, which are to be substituted in their respective places, is listed below along with their degree of equivalence for the edition indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 31000 Risk management — Guidelines	IS/ISO 31000: 2018 / ISO 31000: 2018  Risk management - Guidelines (First Revision)	Identical under single numbering

The technical committee may also review the provisions of following International Standards referred in this draft standard and decide if these are acceptable for use in conjunction with this standard:

<i>International Standard</i>	<i>Title</i>
IEC 31010	Risk management — Risk assessment techniques

Attention is drawn to the possibility that some of the elements of this standard may be the subject of patent rights. The Bureau of Indian Standards shall not be held responsible for identifying any or all such patent rights.

Annex A informative part of this standard.

### **SCOPE**

This document establishes the elements of onboard cyber risk assessment and specifies requirements for the assessment process, assessment preparation, risk identification, risk analysis and risk evaluation.

This document applies to the risk assessment of onboard cyber systems based on network technologies which mainly include bridge systems, cargo management systems, propulsion and machinery management and power control systems, access control systems, passenger or visitor servicing and management systems, passenger-facing networks, core infrastructure systems, administrative and crew welfare systems and communication systems.

**FOR COMPLETE TEXT OF THE DOCUMENT KINDLY REFER ISO 23799: 2024 or CONTACT:**

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