***भारतीय मानक***

***Indian Standard***

**TED 17 (24281) F**

**ISO 21984: 2018**

**पोत एवं समुद्री प्रौद्योगिकी — पोत-विशेष पर रहने की सम्भावना के बारे मे कंपन के मापन मुल्यांकन एवं रिपोर्टिंग के दिशा - निर्देश**

(*प्रथम पुनरीक्षण*)

**SHIPS AND MARINE TECHNOLOGY – GUIDELINES FOR MEASUREMENT EVALUATION AND REPORTING OF VIBRATION WITH REGARD TO HABITABILITY ON SPECIFIC SHIPS**

( *First Revision* )

ICS 17.160; 47.020.01

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भारतीय मानक ब्यूरो

BUREAU OF INDIAN STANDARDS

मानक भवन, 9 बहादुर शाह ज़फर मार्ग, नई दिल्ली 110002

MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG

NEW DELHI 110002

[www.bis.gov.in](http://www.bis.org.in) [www.standardsbis.in](http://www.standardsbis.in)

**November 2024 Price Group**

Shipbuilding Sectional Committee, TED 17

NATIONAL FOREWORD

This Indian Standard which is identical with ISO 21984: 2018 ‘Ships and marine technology – Guidelines for measurement, evaluation and reporting of vibration with regard to habitability on specific ships’ issued by International Organization for Standardization (ISO), was adopted by the Bureau of Indian Standards on the recommendations of the Shipbuilding Sectional Committee and approval of the Transport Engineering Division Council.

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

1. Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’.
2. 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 adopted standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the edition indicated:

|  |  |  |
| --- | --- | --- |
| *International Standard* | *Corresponding Indian Standard* | *Degree of Equivalence* |
| ISO 2041  Mechanical vibration, shock and condition monitoring — Vocabulary | IS/ISO 2041: 2018  Mechanical vibration, shock and condition monitoring — Vocabulary (*First* *Revision*) | Identical under single numbering |
| [ISO 2631-1](https://www.iso.org/obp/ui/en/#iso%3Astd%3Aiso%3A2631%3A-1%3Aen)  Mechanical vibration and shock — Evaluation of human exposure to whole-body vibration — Part 1: General requirements | IS 13276 (Part 1): 2000  / ISO 2631-1: 1997  Mechanical vibration and shock - Evaluation of human exposure to whole body vibration: Part 1 General requirements (First Revision) | Identical under dual numbering |
| ISO 2631-2  Mechanical vibration and shock — Evaluation of human exposure to whole-body vibration — Part 2: Vibration in buildings (1 Hz to 80 Hz) | IS/ISO 2631-2: 2003  Mechanical vibration and shock - Evaluation of human exposure to whole body vibration: Part 2 Vibration in buildings (1 Hz To 80 Hz) | Identical under single numbering |
| ISO 8041  Human response to vibration - Measuring instrumentation (This Standard has been revised IS 8041 – 1 : 2017) | IS/ISO 8041-1: 2017  Human response to vibration - Measuring instrumentation Part 1 General purpose vibration meters | Identical under single numbering |

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, B & C are for informative only.

In reporting the result of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off it shall be done in accordance with IS 2 : 2022 ‘Rules for rounding off numerical values (*second revision*)’