Doc: TED 14 (22939) WC
ISO 15864 : 2021
July 2023

For Comments Only

BUREAU OF INDIAN STANDARDS

DRAFT FOR COMMENTS ONLY

भारतीय मानक मसौदा

अंतरिक्ष प्रणालियाँ — अंतरिक्ष यान, उपपद्धतियों और इकाइयों के लिए सामान्य परीक्षण विधियाँ

Draft *Indian Standard*

SPACE SYSTEMS — GENERAL TEST METHODS FOR SPACECRAFT, SUBSYSTEMS AND UNITS

ICS: 49.140

Air and Space Vehicles Sectional Committee, TED 14	**Last date for receipt of comments is 25/09/2023**

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Air and Space Vehicles Sectional Committee, TED 14

NATIONAL FOREWORD

(Formal Clause to be added later)

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 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 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 editions indicated. For undated references, the latest edition of the referenced document applies, including any corrigenda and amendment.

International Standard	*Corresponding Indian Standard*	*Degree of Equivalence*
ISO 14302 Space systems — Electromagnetic compatibility requirements	Doc (22924)/ ISO 14302 : 2022 Space systems — Electromagnetic compatibility requirement (*under development*)	Identical under dual numbering
ISO 14303 Space systems — Launch-vehicle-to-spacecraft interfaces	Doc (22925)/ ISO 14303 : 2002 Space systems — Launch-vehicle-to-spacecraft interfaces (*under development*)	Identical under dual numbering
ISO 14623 Space systems — Pressure vessels and pressurized structures — Design and operation	Doc (22979)/ ISO 14623 : 2003 Space systems — Pressure vessels and pressurized structures — Design and operation (*under development*)	Identical under dual numbering
ISO/IEC 17025 General requirements for the competence of testing and calibration laboratories	IS/ISO/IEC 17025 : 2017 General requirements for the competence of testing and calibration laboratories (*second revision*)	Identical under single numbering
ISO 23461 Space systems — Programme management — Non-conformance control system	Doc (22341)/ ISO 23461: 2010 Space Systems Programme Management Non-Conformance Control System (*under development*)	Identical under dual numbering

The technical committee has reviewed the provisions of following International Standards referred in this adopted standard and has decided that they are acceptable for use in conjunction with this standard. For undated references, the latest edition of the referenced document applies, including any corrigenda and amendment.

International Standard	*Title*
ISO 19924	Space systems — Acoustic testing
ISO 21494	Space systems — Magnetic testing

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.

In reporting the result of a test or analysis made in accordance with this standard, is to be rounded off, it shall be done in accordance with IS 2 : 2022 'Rules for rounding off numerical-values (*second revision*)'.

SCOPE

This document provides the baseline standard on the subject of testing at the system, subsystem and unit levels for applicable unmanned spacecraft programmes. It also provides the requirements for documentation associated with testing activities.

This document contains provisions for qualification and acceptance testing, or proto-flight testing (PFT). It assumes that hardware development is complete.

FOR COMPLETE TEXT OF THE DOCUMENT KINDLY REFER ISO 15864 : 2021 or CONTACT:

P. V. Srikanth
Scientist- D & Head
Transport Engineering Department
Bureau of Indian Standards
9 Bahadur Shah Zafar Marg
New Delhi 110 002
Email: ted@bis.org.in, hted@bis.org.in
Telefax: 011- 2323 6311