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BUREAU OF INDIAN STANDARDS

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भारतीय मानक मसौदा

अंतरिक्ष प्रणालियाँ— संरचनात्मक डिज़ाइन — भारित और प्रेरित वातावरण

Draft Indian Standard

SPACE SYSTEMS — STRUCTURAL DESIGN — LOADS AND INDUCED ENVIRONMENT

ICS: 49.140

Air and Space Vehicles Sectional Committee, TED 14 **Last date for receipt of comments is**
07/02/2025

NATIONAL FOREWORD

(Identical Clause to be added later)

The text of ISO standard has been proposed as suitable 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:

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

This standard also makes reference to National Annex 'A'

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.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 2022 'Rules for rounding off numerical values (*second revision*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

SCOPE

This International Standard defines the principles used to determine loads and the induced environment during the service life of a space flight vehicle and its components, taking account of the notions of probability, combined loads, corresponding safety factors and lifecycle.

NATIONAL ANNEX A

Clause/ Subclause

Modifications

2.10 Safety Factors

Add 'Measurement inaccuracies' in note