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**BUREAU OF INDIAN STANDARDS**

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*भारतीय मानक मसौदा*

**अंतरिक्ष पद्धतियां - प्रक्षेपण यान सेवाओं के लिए अंतरिक्ष यान  
अंतर्पृष्ठ अपेक्षा दस्तावेज़**

*Draft Indian Standard*

**SPACE SYSTEMS — SPACECRAFT INTERFACE REQUIREMENTS DOCUMENT  
FOR LAUNCH VEHICLE SERVICES**

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**Air and Space Vehicles Sectional Committee, TED 14**

**Last date for receipt of comments is  
XX/XX/XXXX**

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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.

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.

## SCOPE

This document provides spacecraft (SC) organizations with the general format for presenting the interface requirement document (IRD) for launch vehicle services. The IRD provides a list of the major technical requirements spacecraft agencies provide to launch vehicle (LV) agencies when submitting an application for launch services.

The IRD addresses the definition of the SC mission, the mechanical and electrical interfaces, the overall environment requirements (mechanical, thermal, cleanliness, radio-electrical), the SC development and test programme and, finally, launch range facilities and support requirements.

This document is applicable to all existing commercial LV and related launch facilities so as to permit SC contractors to prepare a single interface requirement document for a given SC mission, independently of the LV contractor to be selected.

The IRD, as defined in this document, includes the basic SC input data needed by LV agencies to prepare the interface control document defined in ISO 15863.

**FOR COMPLETE TEXT OF THE DOCUMENT KINDLY REFER ISO 17401 : 2023 or CONTACT:**

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