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BUREAU OF INDIAN STANDARDS

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भारतीय मानक मसौदा

अंतरिक्ष पद्धतियां – अंतरिक्ष यान-से-प्रक्षेपण-वाहन अंतर्पृष्ठ नियंत्रण दस्तावेज़

Draft Indian Standard

Space Systems — Spacecraft-To-Launch-Vehicle Interface Control Document

ICS: 49.140

Air and Space Vehicles Sectional Committee, TED 14 Last date for receipt of comments is
28/08/2024

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.

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

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 14303 Space systems — Launch-vehicle-to-spacecraft interfaces	Doc (22925) / ISO 14303 : 2002 Space systems — Launch-vehicle-to-spacecraft interfaces (<i>under development</i>)	Identical under dual 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.

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

The purpose of this International Standard is to provide spacecraft (SC) and launch vehicle (LV) organizations with the general format for presenting the interface control document (ICD) that verifies and controls the compatibility between SC and LV for a dedicated mission. This International Standard addresses the definition of the mission, the compatibility of the SC with the LV environment, including all mechanical, electrical, radio frequency, and electromagnetic aspects related to SC to LV and SC to launch range interfaces, verification analyses and tests for the induced environment, and the necessary facilities and support for launch range operations.

FOR COMPLETE TEXT OF THE DOCUMENT KINDLY REFER ISO 15863: 2003 or CONTACT:

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