***भारतीय मानक***

***Indian Standard***

 **TED 14 (22915) F**

 **IS XXXX: XXXX/ ISO 10784-1: 2011**

**अंतरिक्ष प्रणालियाँ— प्रारंभिक प्रचालन**

**भाग 1 अंतरिक्ष यान प्रारंभन और कमीशनिंग**

*(****पहला पुनरीक्षण****)*

**Space Systems — Early Operations**

**Part 1 Spacecraft Initialization and Commissioning**

 *( First Revision )*

 ICS: 49.100

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भारतीय मानक ब्यूरो

 BUREAU OF INDIAN STANDARDS

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 **November 2024 Price Group**

Air and Space Vehicles Sectional Committee, TED 14

NATIONAL FOREWORD

This Indian Standard which is identical with ISO 10784-1 : 2011 ‘Space Systems — Early Operations Part 1 Spacecraft Initialization and Commissioning’ issued by International Organization for Standardization (ISO), was adopted by the Bureau of Indian Standards on the recommendations of Air and Space Vehicles Sectional Committee and approval of the Transport Engineering Division Council.

This standard is one of a series of Standards on the Space systems — Early operations. Other standard in this series are:

|  |  |
| --- | --- |
| ISO 10784-2 : 2011 | Space systems — Early operations — Part 2 Initialization plan (*under development*) |
| ISO 10784-3 : 2011 | Space systems — Early operations — Part 3 Commissioning report (*under development*) |

The text of ISO standard has been approved 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:

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 Standard for which Indian Standard also exist. The corresponding Indian Standard, which is to be substituted in its respective place, is listed below along with its degree of equivalence for the edition indicated:

| *International Standard* | *Corresponding Indian Standard* | *Degree of Equivalence* |
| --- | --- | --- |
| ISO 10784-3:2011Space systems — Early operations — Part 3 Commissioning report | Doc (22916)/ISO 10784-3 : 2011Space systems — Early operations — Part 3 Commissioning report (*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:

|  |  |
| --- | --- |
| *International Standard* | *Title* |
| ISO 17566 : 2011 | Space systems — General test documentation |
| ISO 24113 : 2023 | Space systems — Space debris mitigation requirements |

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.