

*For Comments Only*

**BUREAU OF INDIAN STANDARDS**

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**भारतीय मानक मसौदा**

**अंतरिक्ष प्रणाली — योग्यता मूल्यांकन**

**Draft Indian Standard**

**Space Systems — Qualification Assessment**

ICS: 49.140

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

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**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:

- 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 place, are listed below along with their degree of equivalence for the edition indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 14300-1 : 2011 Space systems — Programme management — Part 1: Structuring of a project	Doc (22361)/ ISO 14300-1 : 2011 Space Systems — Programme Management — Part 1 Structuring Of A Project ( <i>under development</i> )	Identical under single numbering

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 21349 Space systems — Project reviews	Doc (22366)/ ISO 21349 : 2023 Space Systems — Project Reviews ( <i>under development</i> )	Identical under single numbering
ISO 10795: 2019 Space systems — Programme management and quality — Vocabulary	18338 : 2023 /ISO 10795: 2019 Space systems — Programme management and quality — Vocabulary	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**

This document establishes general rules for qualification assessment of space systems and products used in space systems against their functional and technical specifications. It establishes general requirements for determining system or product readiness for any stage of the life cycle. This includes, for example, readiness for development, manufacture, test, operation, modification, or disposal.

This document is applicable to systems and products used in flight or ground support and to products at all levels in a product tree. It applies to systems and products consisting of hardware, software, facilities, materials, methods, processes, procedures or any combination of these.

It establishes common:

- a) General requirements for qualification assessment of item readiness;
- b) Approaches to qualification.

This document is intended for use as the basis for a design justification plan. It is intended to be used either in establishing an agreement for such a plan between a customer and a supplier or as the basis for a supplier's internal qualification practices.

**FOR COMPLETE TEXT OF THE DOCUMENT KINDLY REFER ISO 15865: 2022 or CONTACT:**

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