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भारतीय मानक प्रारूप

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

NATIONAL FOREWORD

This draft Indian Standard which is identical with ISO 15865: 2022 ‘Space Systems — Qualification Assessment’ issued by International Organization for Standardization (ISO), will be 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.

ISO 15865 was prepared by Technical Committee ISO/TC 20, Aircraft and space vehicles, Subcommittee SC 14, Space systems and operations.

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.

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:

<i>International Standard/ Other Publication</i>	<i>Title</i>
ISO 14300-1: 2011	Space systems — Programme management — Part 1: Structuring of a project
ISO 21349	Space systems — Project reviews
ISO 10795	Space systems — Programme management and quality — Vocabulary

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.

In reporting the result of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off it shall be done in accordance with IS 2: 1960 ‘Rules for rounding off numerical values (*revised*)’.

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 REFFR ISO 15865: 2022 or CONTACT:

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