

*For Comments Only*

**BUREAU OF INDIAN STANDARDS**

**DRAFT FOR COMMENTS ONLY**

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**भारतीय मानक मसौदा**

**विमान विद्युत कनेक्टर्स परीक्षण**

*( पहला पुनरीक्षण )*

**Draft Indian Standard**

**AIRCRAFT ELECTRICAL CONNECTORS TESTS**

*( First Revision )*

ICS: 49.100, 49.120

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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**

*(Formal Clause to be added later)*

This standard was originally published in 1987. The first revision of this standard has been undertaken to keep pace with the latest technological developments and align it with the latest version of ISO 2100: 1987.

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:

- 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 place, is listed below along with its degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 1949	Doc 14 (21442) : 2021/ ISO 1949: 1987	Identical under dual numbering

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
Aircraft — Electrical connectors — Design requirements.	Aircraft — Electrical Connectors — Design Requirements	

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</i>	<i>Title</i>
ISO 2669	Environmental tests for aircraft equipment — Steady state acceleration.
ISO/TR 2685	Aircraft — Environmental conditions and test procedures for airborne equipment — Resistance to fire in designated fire zones.
ISO 7137	Aircraft — Environmental conditions and test procedures for airborne equipment.11

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: 2022 'Rules for rounding off numerical values (*second revision*)'.

## **SCOPE**

This International Standard lays down the test procedures and performance requirements for aircraft electrical connectors.

**FOR COMPLETE TEXT OF THE DOCUMENT KINDLY REFER ISO 2100: 1987 or CONTACT:**

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