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BUREAU OF INDIAN STANDARDS

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भाग 1 सामान्य आवश्यकताएं**

(आई एस 12043 का पहला पुनरीक्षण)

Draft Indian Standard

**SPECIFICATION FOR ELECTRICAL CONNECTORS FOR AIRCRAFT
PART 1 GENERAL REQUIREMENTS**

(First Revision of IS 12043)

ICS: 49.060

Air and Space Vehicles Sectional Committee, TED 14 **Last date for receipt of comments is
XX/XX/XXXX**

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Air and Space Vehicles Sectional Committee, TED 14

NATIONAL FOREWORD

This draft Indian Standard (First Revision) which is identical with ISO 1949 : 1987 ‘Aircraft — Electrical connectors — Design requirements’ 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.

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 1949 : 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:

- 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 1966 : 1973	Crimped joints for aircraft electric cables.
ISO 2100	Aircraft — Electrical connectors — Tests.
ISO/TR 2685	Aircraft - Environmental conditions and test procedures for airborne equipment - Resistance to fire in designated fire zones.
IEC Publication 50(581)	International Electrotechnical Vocabulary - Chapter 581: Electromechanical components for electronic equipment.
IEC Publication 130-1	Connectors for frequencies below 3 MHz - Part 1: General requirements and measuring methods.

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.

SCOPE AND FIELD OF APPLICATION

This International Standard lays down the general performance requirements and standardization principles for aircraft connectors. It is intended to cover types of connectors designed to use crimped, soldered and welded contacts accommodating aircraft cables. It does not define a particular type of connector dimensionally.

This International Standard outlines the basic design, mechanical and electrical requirements for the connectors and the basic environmental conditions of operation.

WARNING — As far as explosion proofness is concerned, the engaged connectors complying with this International Standard are not defined as explosion proof. They do constitute an explosion hazard and shall NOT be disengaged while carrying current.

FOR COMPLETE TEXT OF THE DOCUMENT KINDLY REFER ISO 1949 : 1987 or CONTACT:

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