



भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

BUREAU OF INDIAN STANDARDS

(Ministry of Consumer Affairs, Food & Public Distribution, Govt. of India)

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Review Document

Basic Details

1.	Sectional Committee No. & Title:	TED 14 - Aircraft, Space Vehicles, Air Cargo Handling and Aircraft Electrical Equipment
2.	IS No :	IS 10241 : Part 2 : 1982
3.	Title :	Specification for electrical cables for aircraft: Part 2 pren type electric cables
4.	Date of Previous Review:	March, 2021

Review Analysis

5.1 Status of standard(s), if any from which assistance had been drawn in the formulation of this IS.

S.No.	Standard (No.)	Standard (Title)	Whether the standard has since been revised	Major changes	Action proposed
1	BS: 2E 21: 1957	Pren type electric cables for aircraft	Assistance had been derived from BS: 2E 21: 1957 issued by British Standards Institution. The standard has been withdrawn by BSI. The members are requested to comment whether IS 10241 (Part-2):1982 is required to be continued keeping in view the latest practices.	Assistance had been derived from BS: 2E 21: 1957 issued by British Standards Institution. The standard has been withdrawn by BSI. The members are requested to comment whether IS 10241 (Part-2):1982 is required to be continued keeping in view the latest practices.	Assistance had been derived from BS: 2E 21: 1957 issued by British Standards Institution. The standard has been withdrawn by BSI. The members are requested to comment whether IS 10241 (Part-2):1982 is required to be continued keeping in view the latest practices.

5.2 Status of standard referred in the IS.

S.No.	Referred standards (No.)	Referred standards (Title)	Since revised IS no. of the corresponding IS	Changes in the referred Standards since last review of IS	Changes in the referred standard which are affecting the standard under review	Action proposed
1	IS 8130:1976	Specification for conductors for insulated electric cables and flexible cords.		The standard is revised as IS 8130:2013/ IEC 60228 (2004) Conductors for insulated electric cables and flexible cords - Specification (Second Revision)	Cl. 4 (Materials) of IS 10241 (Part-2):1982 and Cl. 9 (Tests) are needed to be revised in view of IS 8130:2013/ IEC 60228 (2004)	Reference of IS 8130:2013/ IEC 60228 (2004) in materials clause may be made. Similarly all test methods clauses under Cl. 9 may be revisited
2	IS 9968 Part 1 : 1981	Specification for elastomer insulated cables: Part I For working voltages up to and including 1 100 volts.	9968 Part 1: 1988	This standard had been revised as IS 9968 : Part 1:1988 with three amendments	Cl. 9.14 Spark Test on Core	The test method may be updated as per IS 9968 : Part 1:1988

5.3 Any other standards available related to the subject & scope of the standard being reviewed (International/regional/other national/association/consortia, etc or of new or revision of existing Indian Standard).

S.No.	Standard (No.)	Standard (Title)	Provisions that could be relevant while reviewing the IS	Action proposed
1	na	na	na	na

5.4 Technical comments on the standard received, if any.

S.No.	Source	Clause of IS	Comment	Action proposed
No entry made in this table				

5.5 Information available on relevant technical developments

S.No.	Source	Development	Relevant clause of the IS under review that is likely to be impacted (Clause & IS No.)	Action proposed
No entry made in this table				

5.6 Issues arising out of changes in any related IS or due to formulation of new Indian Standard.

S.No.	Related IS (revised or new)	Related IS Title	Provision in the IS under review that would be impacted & the clause no. or addition of new clause/provision	Changes that may be necessary in the Standards under review	Action proposed
No entry made in this table					

5.7 Any consequential changes to be considered in other IS.

S.No.	Related IS to get impacted	Related IS Title	Requirements to be impacted
No entry made in this table			

Other Details

6.	Any other observation:	Please refer attached ARP report
7.	Upload Supporting Document(s)	
	7.1 ARP Report	IS 10241 part 2.pdf
	7.2 Draft Document	No Document Uploaded
8.	Recommendations - On the basis of the analysis of the info available as mentioned above consideration of sectional committee is solicited on the following aspects of the IS under review:	it is recommended that IS 10241 (Part-2):1982 may be reviewed keeping in view the technological advancements in the sector and the current manufacturing practices followed by industry