



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 8705 : 1978
3.	Title :	Specification for static invertors for aircrafts
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 2G-196	Specification for static invertors	no	nil	retain as cross referred standard
2	MIL-I-27273H	Specification for invertor, power, static, issued by USA, Department of Defence.	no	nil	retain as cross referred standard
3	MIL-I-7032F	Specification for invertors, aircraft, issued by USA, Department of Defence.	no	nil	retain as cross referred standard

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 : 2-1260	Rules for-rounding off numerical values (revised).		nil	nil	nil
2	IS : 7854-1975*	*Specification for voltages and frequency for aircraft electrical systems.		nil	nil	nil

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	ETSO-C73	FAA Standard -Minimum performance standards for Airborne static Electrical Power Inverters	all clauses	Suggested to make this as referred standard

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
1	General	nil	NA	nil

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:	nil
7.	Upload Supporting Document(s)	

7.1 ARP Report	ARC 460-1 pdf.pdf
7.2 Draft Document	Proposed changes in IS 8705-1.docx

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:	Changes/recommendations proposed is uploaded under "draft Document please. The project was reviewed by the HOD of TED on 09.06.2021 along with team .As per the advise of reviewing officer, submitted the proposed changes in the standard along with research papers available on the subject on Intranet vide mail dt. 27.07.2021 .
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