



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 - Air and Space Vehicles Sectional Committee
2.	IS No :	IS 13153 : 1991
3.	Title :	Aerospace plain hexagon nuts (MJ Series) strength classification 1100 mpa maximum operating temperature 235°C - Specification
4.	Date of Previous Review:	March, 2017

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	ISO 8279-1985	Aerospace — Plain hexagon nuts with strength classification 1 100 MPa and maximum operating temperature 235 degrees C	This standard has been replaced by ISO 8279-2008		Reference should be changed to ISO 8279-2008
2	ISO 2859-1-1989	Sampling procedures for inspection by attributes — Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection	ISO 2859-1-1999 This second edition of ISO 2859-1 cancels and replaces the first edition (ISO 2859-1:1989) of which it constitutes a technical revision. Significant changes in this edition include: — a new procedure for switching from normal to reduced inspection; — a reference to skip-lot sampling as an alternative to reduced inspection; — the term		Reference should be changed to ISO 2859-1-1999

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 1572-1986	Electroplated coatings of cadmium on iron and steel (second revision)	No revision has been made since ever			No action is proposed
2	IS 10980 (Part 2) : 1984	Aerospace bolts and nuts (MJ threads) : Part 2 Dimensions for bolts and nuts	IS 10980 (Part 2) - 2014 IS 10980 (Part 2) was first published in 1984 in two parts. The first revision of this standard has been undertaken with a view to bring it in line with the latest version of ISO 5855 published in three parts. While Part 1 of this standard covers the General requirements of MJ Threads used in Aerospace construction; Part 2 covers the Limit dimensions for bolts and nuts and Part 3 covers Limit dimensions for fittings for fluid systems for aerospace construction.	IS 10980 (Part 2) - 2014 IS 10980 (Part 2) was first published in 1984 in two parts. The first revision of this standard has been undertaken with a view to bring it in line with the latest version of ISO 5855 published in three parts. While Part 1 of this standard covers the General requirements of MJ Threads used in Aerospace construction; Part 2 covers the Limit dimensions for bolts and nuts and Part 3 covers Limit dimensions for fittings for fluid systems for aerospace construction.		Reference should be changed to IS 10980 (Part 2) : 2014
3	IS 10980 (Part 1) : 1984	Aerospace bolts and nuts (MJ thread) : Part 1 Basic Profile	IS 10980 (Part 1) : 2014 IS 10980 (Part 1) was first published in 1984 in two parts. The first revision of this standard has been undertaken with a view to bring it in line with the latest version of ISO 5855 published in three parts. Other parts of this series are: Part 2 Limit dimensions for bolts and nuts Part 3 Limit dimensions for fittings for fluid systems for aerospace construction	IS 10980 (Part 1) : 2014 IS 10980 (Part 1) was first published in 1984 in two parts. The first revision of this standard has been undertaken with a view to bring it in line with the latest version of ISO 5855 published in three parts. Other parts of this series are: Part 2 Limit dimensions for bolts and nuts Part 3 Limit dimensions for fittings for fluid systems for aerospace construction		Reference should be changed to IS 10980 (Part 1) : 2014
4	IS 6725-1972	Aircraft lockwire	IS 6725-2008 IS 6725 was first published in 1972 based on ISO/R 245: 1962. The first revision of this standard is being brought out to align it with the latest edition of ISO 245: 1998 under dual numbering.	IS 6725-2008 IS 6725 was first published in 1972 based on ISO/R 245: 1962. The first revision of this standard is being brought out to align it with the latest edition of ISO 245: 1998 under dual numbering.		Reference should be changed to IS 6725 - 2008

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
No entry made in this table				

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:	a) Publication of standards in A4 size and latest format. b) Introduction of Hindi title on the first cover page. c) Introduction of ICS No. in place of UDC No. on first cover page. d) Copyright details and name/address of the institution and other details as per the latest practice. e) Style of Foreword to be as per the latest practice, indicating all previous versions, and introducing a Para on the current revision. f) Introduction of Clause 2 'References' (as per the latest format), and accordingly renumbering of all subsequent clauses; g) Updating the details of types/classes/grades/ratings, etc. as per the latest cross-referred standards, such as in case of reference to another standard for material and its grade where the grades have since been modified in the latest revision of the cross-referred standard. j) Use of latest style, manner and wordings, etc., such as 'Annex' for 'Appendix'. k) Corrections of editorial/typographical mistakes in the existing standards. m) Removal of informatory list of standards at the end, if any. n) Updation of back cover page with mention of new document number, current details of information shared therein including BIS offices.
7.	Upload Supporting Document(s)	
7.1 ARP Report		67_2202151644925223_ARP_Report.docx
7.2 Draft Document		67_2202151644925223_Draft_Document.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:	In view of above, it is recommended that IS 13153:1991 may be reviewed keeping in view the technological advancements in the sector and the current manufacturing practices followed by industry.