**REVIEW ANALYSIS OF INDIAN STANDARD**

**(To be submitted to the Sectional Committee)**

1. **Sectional Committee No. & Title:** Automotive Body, Chassis and Accessories Evaluation Sectional Committee, TED 6
2. **IS No:** IS 9290: 1979
3. **Title in English:** Specification For Aircraft Fuel Servicing Vehicles
4. **Title in Hindi: विमान ईंधन सर्विसिंग वाहनों के लिए विशिष्टता**
5. **ICS No.**
6. **Date of review:**
7. **Review Analysis**
8. **Amendment to be incorporated, if any:** No
9. **Status of standard(s), if any from which assistance had been drawn in the formulation of this IS.**

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| **Standard**  **(No. & Title)** | **Whether the standard has since been revised** | **Major changes** | **Action proposed** |
| This standard is purely indigenous and No assistance has been taken from any existing Indian Standards at the time of its formulation. | | | |

1. **Status of standards referred in the IS**

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| --- | --- | --- | --- |
| **Referred standards**  **(No. & Title)** | **IS No. of this standards since revised** | **Changes that are of affecting the standard under review** | **Action proposed** |
| IS 5797: 1970  Specification for electrically bonded aircraft fuelling rubber hose | IS 5797 : 2022 ISO 1825:2017  Rubber Hoses and Hose Assemblies for Aircraft Ground Fuelling and Defuelling Specification (Fifth Revision)  This standard was first published in 1970 and covered hoses suitable for working pressure up to 1 MPa. First revision was published in 1982 and covered hoses suitable for working pressure up to 1.75 MPa. These versions covered only one type of hose, electrically bonded, primarily meant for fuelling aircarft which might also be used for low speed defuelling. The second revision covered four types of hoses, namely, electrically bonded, non-electrically bonded, non-electrically bonded with anti-static cover and hose for high speed defuelling purpose. The third revision was published in 1994, where construction of hose with metallic wire helix had been included and the requirements for maximum mass per unit length and test condition for conducting vacuum resistance for metallic wire helix type hoses had been included. In preparation of the third revision, assistance was drawn from ISO/DP 1825 ‘Rubber hoses — Aircraft ground refuelling without static wire (non-collapsible)’ and BS 3158: 1985 ‘Rubber hoses and hose assemblies for aircraft ground fuelling and defuelling’. Fourth revision of this standard was carried out to completely align it with ISO 1825: 2010 and publish under dual numbering system. The title was also aligned with that of the ISO Standard. | The fifth revision of this standard has been undertaken to align it with the latest version of ISO 1825: 2017 under dual numbering system.  The main changes in this revision are as follows:  a) The normative references have been updated; and  b) Fuel discoloration test has been added to bring the document in line with EI 1529. | Reference should be changed toIS 5797 : 2022 ISO 1825:2017 |
| IS 7264: 1974  Dimensions for aircraft pressure refuelling connection | No revision has made ever since. |  | No action is proposed. |

1. **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)**

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| **Standard**  **(No. & Title)** | **Provisions that could be relevant while reviewing the IS** | **Action proposed** |
| **-** | **-** | **-** |

1. **Technical comments on the standard received, if any**

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| **Source** | **Clause of IS** | **Comment** | **Action proposed** |
| Comments are sought from the Committee members. | | | |

1. **Information available on technical developments that have taken place (on product/processes/practices/use or application/testing/input materials, etc)**

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| **Source** | **Development** | **Relevant clause of the IS under review that is likely to be impacted**  **(Clause & IS No.)** | **Action proposed** |
| The technical comments are invited from the members of TED 6 | | | |

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

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| **Related IS and its Title**  **(revised or new)** | **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** |
| **-** | **-** | **-** | **-** |

1. **Any consequential changes to be considered in other IS**

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| **Related IS to get impacted** | **Requirements to be impacted** |
| **-** | **-** |

1. **Any other observation:** The revision will essentially take care of the following:
2. Publication of standards in A4 size and latest format.
3. Introduction of Hindi title on the first cover page.
4. Introduction of ICS no. in place of UDC no. on first cover page.
5. Copyright details and name/address of the institution and other details as per the latest practice.
6. Style of forward to be as per the latest practice, indicating all previous versions, and introducing a para on the current revision.
7. Introduction of Clause 2 ‘References’ (as per the latest format), and accordingly renumbering of all subsequent clauses.
8. 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.
9. Use of latest style, manner and wordings, etc. such as ‘Annex’ for ‘Appendix’.
10. Corrections of editorial/typographical mistakes in the existing standards.
11. Removal of informatory list of standards at the end, if any.
12. Updation of back cover page with mention of new document number, current details of information shared therein including BIS offices.
13. **Recommendations:** In view of above, it is recommended that IS 9290: 1979 may be revised incorporating the above mentioned changes and other changes as deemed fit by the committee.