**REVIEW ANALYSIS OF INDIAN STANDARD**

1. **Sectional Committee No. & Title:** TED 14: Air and space vehicles sectional committee
2. **IS No:** IS 6753:1972
3. **Title:** Code for identification of aircraft pipelines
4. **Date of review:** September 2024
5. **Review Analysis**
6. **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** |
| 1. ISO/R 12 - 1970“Identification of aircraft pipelines”
 | 1. Revised
 | 1. 4 new identification markers have been added in the revised standard
 | 1. Additional identification markers may be incorporated in the Indian Standard.
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1. **Status of standards referred in the IS**

|  |  |  |  |
| --- | --- | --- | --- |
| **Referred standards****(No. & Title)** | **IS No. of this standards since revised** | **Changes that are of affecting the standard under review** | **Action proposed** |
| IS 5 : 1961“Colours for ready mixed paints” | IS 5 : 2007 | No effect on the standard under review | Reference to IS 5 : 1961 may be updated to IS 5 : 2007. |

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** |
| MIL-STD 1247D (USA Department of Defense) – Markings, functions and hazard designations of hose, pipe, and tube lines for aircraft missile, and space systems | Identification markers for following pipe systems have been covered in the standard that are not covered in the Indian Standard under review:1. Vacuum
2. Battery activator
3. Drinking water
4. Waste water
5. Filtered air
 | Additional identification markers may be incorporated in the Indian Standard. |

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

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| --- | --- | --- | --- |
| **Source** | **Clause of IS** | **Comment** | **Action proposed** |
| Nil | NA | NA | NA |

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** |
| Publicly available maintenance manuals and training manuals. | Practice of usage of distinct markers for vacuum pipes, battery activator pipe system, drinking water pipes, waste water pipes and filtered air pipes, is being followed as industry standard. | Cl. 2.2.1, 2.2.3, 3.4.1 Figure 1, Table 1 | Identification markers as elaborated at Sr. No. 7 may be incorporated in the standard. |

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** |
| Nil | NA | NA | NA |

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

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

1. **Any other observation:**

Nil

1. **Recommendations:**

In view of above, it is recommended that the standard may be amended for incorporate the following changes:

1. (Page – 2) Following entries may be in the Table 1:

|  |  |  |
| --- | --- | --- |
| Vacuum | Wavy lines – continuous pattern | 23 |
| Battery activator | Ellipse with radiating lines | 24 |
| Drinking Water | H2O | 25 |
| Waste water | Chain – continuous pattern | 26 |
| Filtered air | NBC | 27 |

1. (Page – 3) Following may be added in Figure 2:

 (1) (2) 

 (3) (7) 

 (7) (5) (7) 

 (6) (1) 

 (2) (6) 