**REVIEW ANALYSIS OF INDIAN STANDARD**

1. **Sectional Committee No. & Title: TED 14 –** Air and Space Vehicles Sectional Committee
2. **IS No:**  IS 9156 : 1979
3. **Title in English:** Specification for dc generators for aircraft
4. **Title in Hindi:** विमान के लिए डीसी जनरेटर के लिए विशिष्टता
5. **ICS No:** 49.060
6. **Date of review: 16.12.2021**
7. **Review Analysis**
8. **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** |
| BS 2G 134 - 1970Specification for dc generators | No revision has been made |  | This version remains current. |

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 : 8946-1978General requirements for rotating electrical machinery for aircraft | No revision has been made since ever |  | No action is proposed |
| IS : 7854-1975Voltages and frequency for aircraft electrical systems | This referred standard has been withdrawn  |  | This standard has been withdrawn |
| IS 8252 : Part XIV:1982Environmental tests for aircraft equipment: Part 14 mechanical vibration | No revision has been made since ever |  | No action is proposed |
| IS 8252 : Part II – 1980Environmental tests for aircraft equipment: Part 2 temperature, pressure and humidity | No revision has been made since ever |  | No action is proposed |
| IS 8252 Part – XVIII – 1978Environmental tests for aircraft equipment: Part XVIII Magnetic influence (under preparation). | IS 8252 Part-18-1986IS 8252 was first issued in 1978. In this revision the performance requirement for the different classes of equipment has been specified. |  | Reference should be changed to IS 8252 Part- XVIII-1986 |
| IS 8252: Part-VI-1976Environmental tests for aircraft equipment: Part 6 waterproofness | No revision has been made since ever |  | No action is proposed |
| IS 8252: Part-X-1979Environmental tests for aircraft equipment: Part 10 salt mist | No revision has been made since ever |  | 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** |
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1. **Technical comments on the standard received, if any**

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| **Source** | **Clause of IS** | **Comment** | **Action proposed** |
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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** |
| Members of TED 14 among the Academia, Industry and Users are requested to give inputs on technical development that has been taken place on product/processes/practices/use or application/testing/input materials, etc. so that same can be incorporated in IS 9156 : 1979 and a revised version of IS can be issued. However, if this standard is not used by the industry due to being obsolete due to the advancements in manufacturing practices, same may be withdrawn.  |

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

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| **Related IS to get impacted** | **Requirements to be impacted** |
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1. **Any other observation:**

 The revision will essentially take care of the following:

1. Publication of standards in A4 size and latest format.
2. Introduction of Hindi title on the first cover page.
3. Introduction of ICS No. in place of UDC No. on first cover page.
4. Copyright details and name/address of the institution and other details as per the latest practice.
5. Style of Foreword to be as per the latest practice, indicating all previous versions, and introducing a Para on the current revision.
6. Introduction of Clause 2 'References' (as per the latest format), and accordingly renumbering of all subsequent clauses;
7. 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.

1. Use of latest style, manner and wordings, etc., such as 'Annex' for 'Appendix'.
2. Corrections of editorial/typographical mistakes in the existing standards.
3. Removal of informatory list of standards at the end, if any.
4. Updation of back cover page with mention of new document number, current details of information shared therein including BIS offices.
5. **Recommendations:** In view of above, it is recommended thatIS 9156 : 1979 may be reviewed keeping in view the technological advancements in the sector and the current manufacturing practices followed by industry.

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**(Ravindra Beniwal)**

**Scientist-C**

**Member Secretary, TED 14**