REVIEW ANALYSIS OF INDIAN STANDARD

(To be submitted to the Sectional Committee)

- 1. Sectional Committee No. & Title: LITD 24 (Magnetic Components, Ferrite Materials, Piezoelectric and Frequency Control Devices Sectional Committee)
- **2. IS No:** IS 14870 : 2000
- **3. Title:** Transformers and inductors for use in electronic and telecommunication equipment Measuring methods and test procedures
- **4. Date of review:** September, 2024
- 5. Review Analysis
- i) Status of standard(s), if any from which assistance had been drawn in the formulation of this IS.

| Standard (No. & Title) | Whether the standard has since been revised | Major changes | Action proposed |
|--|--|---|---|
| IEC 61007:1994 Transformers and inductors for use in electronic and telecommunicati on equipment - Measuring methods and test procedures | The latest version of this International Standard has been revised by IEC 61007:2020 Transformers and inductors for use in electronic and telecommunicati on equipment - Measuring methods and test procedures | This edition includes the following significant technical changes with respect to the previous edition: a) scope: the application of the scope of IEC 61007 was extended; b) Clause 2: added new references and updated the references; c) Clause 3: new definitions were added in 3.3, and in 3.7 the voltage-time product was redefined; d) test procedures were updated: | The standard may be revised accordingly |

| 1) addition of test |
|-------------------------|
| method: |
| AC resistance (in |
| 4.4.1.2); short-circuit |
| power test (in |
| 4.4.3.4); efficiency |
| (in 4.4.3.5); |
| phase unbalance (in |
| 4.4.5.7); amplitude |
| unbalance (radio |
| frequency) (in |
| 4.4.5.8); |
| transformation ratio |
| by impedance (in |
| 4.4.7.1); coefficient |
| of coupling (in |
| 4.4.7.2); |
| cross-talk (in 4.4.10); |
| 2) modification of |
| test method: |
| Insulation resistance |
| (an error range of the |
| testing voltage, in |
| 4.4.2.3); |
| 3) deletion of test |
| method: |
| Effective resistance; |
| e) environmental test |
| procedures: new |
| references were |
| added; |
| f) Annexes A to G |
| were added |
| <u> </u> |

ii) 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 |
|---|---|---|-----------------------------------|
| IEC 27: Letter symbols to be used in electrical technology | This Indian standard has been withdrawn and superseded by IS 3722 (Part 1): 2023 | Superseded by IS 3722 (Part 1): 2023 | Latest version may be referred |
| IEC 44-4 (1980) Instrument trans- | IS 11322: 1985 Withdrawn | Withdrawn | The corresponding |

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|--|---|---|--|
| formers — Part 4: Measurement of partial discharge | | | standard for the routine test may be referred from the latest standard. There is an IS/IEC 60270: 2000 High - Voltage test techniques - Partial discharge measurements which may be referred for the same. |
| IEC 50 International Electrotechnical Vocabulary | IS 1885 (Series) Electrotechnical vocabulary | | The referred standard is undated hence no action is required |
| IEC 68-1 (1988) Environmental testing — Part 1: General and guidance Amendment 1 (1992 | This Indian standard has been withdrawn and superseded by IS/IEC 60068-1 : 2013 Environmental Testing Part 1 General and Guidance | The main changes with respect to the previous edition are listed below: – updated normative reference list; – indication of normative and informative and informative Annex C, Environmental test tailoring. | Latest version may be referred |
| IEC 68-2-1 (1990) Environmental testing — Part 2: Tests — Tests A: Cold Amendment 1 (1993) | This International Standard is adopted as IS/IEC 60068-2- 1:2007 Environmental Testing Part 2 Tests Section 1 Test A: Cold | No Change | No Action Required |
| IEC 68-2-2 (1974) Environmental testing — Part 2: Tests —Test B: Dry | This International Standard is adopted as | No Change | No Action Required |

| | TO TELO COO CO | 1 | T 1 |
|---|--|---|-----------------------------------|
| heat Amendment 1 (1993) | IS/IEC 60068-2-2: 2007 Environmental Testing Part 2: Tests - Test B | | |
| | Section 2: Dry | | |
| IEC (0.2.2 (10.50) | Heat This | This edition | T |
| IEC 68-2-3 (1969) Environmental testing — Part 2: Tests — Test Ca: Damp heat, steady state | International Standard is replaced by IEC 60068-2- 78:2012 Environmental testing - Part 2- | includes editorial and format changes with respect to the previous edition: The test chamber from IEC 60068-3- | Latest version may be referred |
| | 78: Tests - Test Cab: Damp heat, | 6 has been introduced. | |
| IEC 68-2-6: 1982, Environmental testing - Part 2: Tests - Test Fc and guidance: Vibration (sinusoidal) | The latest version of this international standard is adopted as IS/IEC 60068-2- 6: 2007 Environmental Testing Part 2 Tests Section 6 Test Fc: Vibration sinusoidal | The major changes with regard to the previous edition concern: - The agreed wording from IEC technical committee 104 meeting held in Stockholm:2000 on the testing of soft packages. - Reference to the latest version of IEC 60068-2-47: Mounting - Simplification of the layout of the standard by replacing some tables with text. - Addition of the test report requirements (see Clause 13). | Latest version may be referred |
| IEC 68-2-7 (1983) Environmental testing — Part 2: Tests — Test Ga and guidance: Acceleration, steady state | The latest version of this international standard is adopted as IS/IEC 60068-2-7: 1983 | No Change | No Action Required |

| Amendment 1 | Basic | | |
|--------------------|--------------------|--------------------------------------|------------------|
| (1986) | Environmental | | |
| | Testing | | |
| | Procedures Part | | |
| | 2: Tests - Test | | |
| | Ga and Guidance | | |
| | Section 7: | | |
| | Acceleration | | |
| | | | |
| IEC (0.2.10 (1000) | Steady State | TP1 | T atant annui an |
| IEC 68-2-10 (1988) | The latest | The main changes | Latest version |
| Environmental | version of this | with respect to the | may be referred |
| testing — Part 2: | international | previous edition | |
| Tests — Test J and | standard is | are listed below: | |
| guidance: Mould | adopted as | – Two test fungi | |
| growth | IS/IEC 60068-2- | replaced by two | |
| | 10:2018 | others | |
| | Environmental | Concentration of | |
| | testing - Part 2- | the spores defined | |
| | 10: Tests - Test J | for each test | |
| | and guidance: | fungus | |
| | Mould growth | – Spores | |
| | | suspension in | |
| | | mineral salt | |
| | | solution | |
| | | additionally | |
| | | introduced | |
| | | - Pre-conditioning | |
| | | of the specimens | |
| | | by damp heat | |
| | | | |
| | | storage prescribed | |
| | | - Supersonic | |
| | | aerosolization of | |
| | | the spores | |
| | | suspension as the | |
| | | preferred | |
| | | inoculation method | |
| | | introduced | |
| | | – Duration of | |
| | | incubation reduced | |
| | | from 84 days to 56 | |
| | | days | |
| | | – Extent of mould | |
| | | growth grade 2 | |
| | | split into grade 2a | |
| | | and grade 2b | |
| | | – Detailed | |
| | | information on | |
| | | methods of | |
| | | inoculation given | |
| | | in Annex B | |

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| | | – Annex E: flow- | |
| | | chart deleted | |
| IEC 68-2-13 (1983) | The latest | This edition | Latest version |
| Environmental | version of this | includes the | may be referred |
| testing — Part 2: | international | following | |
| Tests — Test M: | standard is | significant | |
| Low air pressure | adopted as | technical changes | |
| | IS/IEC 60068-2- | with respect to the | |
| | 13:2021 | previous | |
| | Environmental | edition: | |
| | Testing Part 2 | a) alignment with | |
| | Tests Section 13 | recently revised | |
| | Test M: Low air | parts of IEC | |
| | pressure | 60068-2; | |
| | | b) Clause 5: | |
| | | severities aligned | |
| | | with IEC 60721-2- | |
| | | 3 and IEC 60721-3 | |
| | | (all parts); | |
| | | c) addition of | |
| | | Ánnex A | |
| | | (guidance on | |
| | | selecting the | |
| | | duration of | |
| | | exposure). | |
| IEC 68-2-14 (1984) | The latest | The main changes | Latest version |
| Environmental | version of this | are as follows: | may be referred |
| testing — Part 2: | international | a) Updating of the | y |
| Tests — Test N: | standard is | figures for | |
| Change of | adopted as | clarification | |
| temperature | IS/IEC 60068-2- | purposes; | |
| Amendment 1 | 14:2023 | b) Updating of | |
| (1986) | Environmental | specimen | |
| (1)00) | Testing Part 2 | temperature(s) and | |
| | Tests Section 14 | severities as well | |
| | Test N: Change | as tolerances for | |
| | of Temperature | change of | |
| | (First Revision) | temperature tests; | |
| | (This ite vision) | and | |
| | | c) Revision of | |
| | | standardized | |
| | | requirements for | |
| | | test reports for | |
| | | _ - | |
| | | Lecte Ma and Mn | |
| IFC 68-2-17 (1078) | The latest | Tests Na and Nb. | I atest version |
| IEC 68-2-17 (1978) | The latest | The main changes | Latest version |
| Environmental | version of this | The main changes are as follows: | Latest version may be referred |
| Environmental testing — Part 2: | version of this international | The main changes are as follows: a) 'Survey of | |
| Environmental testing — Part 2: Tests — Test Q: | version of this international standard is | The main changes are as follows: a) 'Survey of sealing tests' has | |
| Environmental testing — Part 2: | version of this international | The main changes are as follows: a) 'Survey of | |

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|------------------------------|-------------------------|-----------------------------|-----------------|
| Amendment 4 | IS/IEC 60068-2- | content moved to a | |
| (1991) | 17:2023 | new 4 'General'; | |
| | Environmental | b) The scope has | |
| | Testing - Part 2 | been revised; | |
| | Tests � | c) The figures have | |
| | Section 17 Test | been updated for | |
| | Q: Sealing (First | clarification | |
| | Revision) | purposes; | |
| | 1to vision) | d) All non-SI units | |
| | | have been | |
| | | removed; and | |
| | | e) The information | |
| | | · · | |
| | | to be given in the relevant | |
| | | | |
| | | specification has | |
| TEG (0.2.20.1.2.2.2 | - T | been revised. | |
| IEC 68-2-20: 1979, | The latest | This edition | Latest version |
| Environmental | version of this | includes the | may be referred |
| testing - Part 2: | international | following | |
| Tests - Test T: | standard is | significant | |
| Soldering | adopted as | technical changes | |
| Amendment 2 | IS/IEC 60068-2- | with respect to the | |
| (1987) | 20:2021 | previous | |
| | Environmental | edition: | |
| | testing Part 2 | a) update of and | |
| | Tests Section 20 | clarification of pre- | |
| | Tests Ta and Tb: | conditioning | |
| | Test methods for | (former "aging") | |
| | solderability and | and its relation to | |
| | resistance to | natural | |
| | soldering heat of | aging | |
| | devices with | upmb | |
| | leads | | |
| IEC 68-2-21: 1983, | The latest | This edition | Latest version |
| Environmen~tal | version of this | includes the | may be referred |
| testing - Part 2: | international | following | may be referred |
| Tests - Test U: | standard revised | significant | |
| Robustness of | | technical changes | |
| terminations | by IS 9000 (Part 19/ | | |
| | ` | with respect to the | |
| and integral | Sec 1to 5): 1986 | previous | |
| mounting devices Amendment 2 | Basic | edition: | |
| | environmental | a) integration of | |
| (1991), Amendment | testing | parts of IEC | |
| 3 (1992) | procedures for | 60068-2-77 (see | |
| | electronic and | Annex X); IEC | |
| | electrical items: | 60068-2-77 is | |
| | Part 19 test u: | withdrawn with the | |
| | robustness of | publication of this | |
| | terminations and | document; | |
| | integral | | |

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| | mounting devices (First Revision) | b) Annex X is added to show the correlation of the clauses and sub clauses in this edition of IEC 60068-2-21 with the clauses in IEC 60068-2-21:2006 and IEC 60068-2-77:1999. | |
| IEC 68-2-27: 1987, Environmental testing - Part 2: Tests - Test Ea and guidance: Shock | The latest version of this international standard has been adopted as IS 9000 (Part 7/Sec 1): 2018 Basic environmental testing procedures for electronic and electrical items: Part 7 impact test: Sec 1 shock (Test Ea) (Second Revision) | The major changes with regard to the previous edition concern: - the merging of IEC 60068- 2-29 into this edition of IEC 60068- 2-27; Part 2- 29 will be withdrawn as soon as this edition is published; - the introduction of soft packaged specimens as defined in the IEC ad hoc working group document agreed in Stockholm:2000. | Latest version may be referred |
| IEC 68-2-29: 1987, Environmental testing - Part 2: Tests - Test Eb and guidance: Bump | The latest version of this international standard has been replaced by IEC 68-2-27: 1987 and the standard already adopted by IS 9000 (Part 7/Sec 1): 2018 | The major changes with regard to the previous edition concern: - the merging of IEC 60068-2-29 into this edition of IEC 60068- | Latest version may be referred |

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| | Basic environmental testing procedures for electronic and electrical items: Part 7 impact test: Sec 1 shock | 2-27; Part 2- 29 will be withdrawn as soon as this edition is published; - the introduction of soft | |
| | (Test Ea) (Second Revision) | packaged specimens as defined in the IEC ad hoc working group document agreed in Stockholm:2000 | |
| IEC 68-2-30 (1980) Environmental testing — Part 2: Tests — Test Db and guidance: Damp heat, cyclic (12+12 - hour cycle) Amendment'1 (1985) | The latest version of this international standard is adopted as IS/IEC 60068-2-30: 2005 Environmental testing Part 2 Tests Section 30 Test Db: Damp heat cyclic 12 h 12 h cycle | The main changes with respect to the previous edition are listed below: - editorial changes, - addition of normative references, - addition of guidance for temperature tolerances, - period for recovery has been extended. | Latest version may be referred |
| IEC 68-2-42 (1982) Environmental testing — Part 2: Tests — Test Kc: Sulphur dioxide test for contacts and connections | The latest version of this international standard is adopted as IS/IEC 60068-2-42:2003 Environmental testing - Part 2 Tests Section 42 Test Kc: Sulphur dioxide test for contacts and connections | No Change | No Action Required |
| IEC 68-2-45 (1980) Environmental | The latest version of this | No Change | No Action Required |

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|-----------------------|-------------------|---------------------|-----------------|
| testing — Part 2: | international | | |
| Tests — Test | standard is | | |
| XA and guidance: | adopted as | | |
| Immersion in | IS/IEC 60068-2- | | |
| cleaning solvents | 45:1980 | | |
| | Basic | | |
| | environmental | | |
| | testing | | |
| | procedures Part 2 | | |
| | Tests Test XA | | |
| | and guidance Sec | | |
| | 45 Immersion in | | |
| | cleaning solvents | | |
| IEC 68-2-52 (1984) | The latest | This edition | Latest version |
| Environmental | version of this | includes the | may be referred |
| testing — Part 2: | international | following | |
| Tests — Test | standard has | significant | |
| Kb: Salt mist, cyclic | been revised by | technical changes | |
| (sodium | IEC 60068-2-52: | with respect to the | |
| chloride solution) | 2017 | previous | |
| , | Environmental | edition: | |
| | testing - Part 2- | a) the entire | |
| | 52: Tests - Test | content has been | |
| | Kb: Salt mist, | harmonized with | |
| | cyclic (sodium | ISO 9227 as far as | |
| | chloride | possible; | |
| | solution) | b) an introduction | |
| | Solution) | has been added; | |
| | | c) the scope has | |
| | | been simplified; | |
| | | d) normative | |
| | | references have | |
| | | been updated; | |
| | | e) the general | |
| | | description of the | |
| | | test has been | |
| | | | |
| | | changed; | |
| | | f) a dry chamber | |
| | | has been added to | |
| | | the test apparatus; | |
| | | g) severities have | |
| | | been changed to | |
| | | test methods; | |
| | | h) test methods 7 | |
| | | and 8 have been | |
| | | added; | |
| | | i) information on | |
| | | the test report has | |
| | | been added; | |

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| | | j) Figure 1 has been changed to Table 1; k) a typical test apparatus example has been added in a new Annex A; l) a description of each test method has been added in a new Annex B; m) bibliographical references have been added. | |
| IEC 270 (1981) | The latest | No Change | No Action |
| Partial discharge Measurements | version of this international standard is adopted as IS/IEC 60270: 2000 High - Voltage test techniques - Partial discharge measurements | No Change | Required |
| IEC 367-1 (1982) | The latest | No Change | No Action |
| Cores for inductors and transformers for telecommunications —Part 1 : Measuring methods Amendment 1 (1984) Amendment 2 (1992) | version of this international Standard replaced by IEC 62044-1: 2002 Cores made of soft magnetic materials - Measuring methods - Part 1: Generic specification | | Required |
| IEC 551 (1987) Determination of | The latest international | This edition includes the | Latest version |
| transformer and | Standard has | following | may be referred |
| reactor sound | been replaced by | significant | |
| levels | IEC 60076- | technical changes | |
| | 10:2016 | with respect to the | |
| | Power | previous | |
| | transformers - | edition: | |
| | Part 10: | – additional useful | |
| ĺ | Determination of | definitions | 1 |
| | sound levels | introduced; | |

definition of distribution type transformers introduced for the purpose this standard; – new clause for sound level measurement specification introduced; - requirement for 1/3 octave band measurements introduced for transformers other than distribution type transformers; standard measurement distance changed from 0,3 m to 1 m for transformers other than distribution type transformers; - height of measurement surface is now clearly defined to count from the reflecting plane; measurement surface formula unified; - correction criteria for intensity method introduced; - rules for sound measurements on dry-type reactors introduced; figures revised; new informative test report templates introduced (Annex B);

| IEC 617 Graphical symbols for Diagrams | IS 12032 (Series) Graphical symbols for Diagrams | - IEC 60076-10-1 (application guide) revised in parallel providing worthwhile information for the use of this standard. No Change | The referred standard is undated hence no action is required |
|---|---|---|--|
| IEC 651 (1979) Sound level Meters Amendment 1 (1993) | The latest international Standard has been replaced by IEC 61672-2:2013+AMD1:2 017 CSV Electroacoustics - Sound level meters - Part 2: Pattern evaluation tests | The main technical changes with regard to the previous edition are as follows: In this second edition, conformance to specifications is demonstrated when: a) measured deviations from design goals do not exceed the applicable acceptance limits, and b) the uncertainty of measurement does not exceed the corresponding maximum permitted uncertainty, with both uncertainties determined for a coverage probability of 95%. | Latest version may be referred |
| ISO 3:1973 Preferred numbers— Series of preferred numbers | The latest version of this international standard is adopted as | No Change | No Action Required |

| | IS 1076 (Part 1): | | |
|---------------------|-------------------|----------------------|-----------------|
| | 1985 | | |
| | Preferred | | |
| | numbers: Part 1 | | |
| | series of | | |
| | preferred | | |
| | numbers (Second | | |
| | , | | |
| 100 407 1072 | Revision) | N. Cl | NT A .: |
| ISO 497: 1973 | The latest | No Change | No Action |
| Preferred numbers- | version of this | | Required |
| Part 3 Guide to the | international | | |
| choice | standard is | | |
| .of series of | adopted as | | |
| preferred numbers | IS 1076 (Part 3): | | |
| and of series | 1985 | | |
| containing more | Preferred | | |
| rounded values of | numbers: Part 3 | | |
| preferred | guide to the | | |
| numbers | choice of series | | |
| numbers | | | |
| | of preferred | | |
| | numbers and of | | |
| | series containing | | |
| | more rounded | | |
| | values of | | |
| | preferred | | |
| | numbers (Second | | |
| | Revision) | | |
| ISO 1000: 1992 S1 | The latest | The main changes | Latest version |
| units and | version of this | are as follows: | may be referred |
| recommendations | international | — More focus on | |
| for the use of | standard is | concepts and | |
| their multiples and | replaced by | terminology based | |
| _ | | | |
| of certain other | ISO 80000- | on a system of | |
| units | 1:2022 | quantities, | |
| | Quantities and | particularly | |
| | units | following the | |
| | Part 1: General | recent major | |
| | | revision of the | |
| | | International | |
| | | System of Units | |
| | | (SI) and the | |
| | | proposed revisions | |
| | | of the International | |
| | | vocabulary of | |
| | | metrology (VIM). | |
| | | — At the same | |
| | | time, subclauses of | |
| | | | |
| | | previous editions | |
| | | of this document | |
| | | which essentially | |

| | | reproduced content from other sources – particularly | |
|------------------------------------|---------------------------------|--|-----------------|
| | | metrological | |
| | | vocabulary, descriptions of SI | |
| | | units and | |
| | | compilations of | |
| | | fundamental | |
| | | constants – have | |
| | | been substantially | |
| | | removed from the | |
| | | present edition, in | |
| | | accordance with a | |
| | | resolution taken by ISO/TC 12 in | |
| | | 2020. | |
| IEC 68-2-58 (1989) | The latest | This edition | Latest version |
| Environmental | version of this | includes the | may be referred |
| testing—Part 2: | international | following | , |
| Tests—Test Td: | standard is | significant | |
| Solderability, | adopted as | technical changes | |
| resistance to | IS/IEC 60068-2- | with respect to the | |
| dissolution of | 58:2015 | previous | |
| metallization and to | Environmental | edition: – the addition of | |
| soldering heat of surface mounting | testing Part 2 Tests Section 58 | Sn-Bi low | |
| devices (SMD) | Test Td: Test | temperature solder | |
| devices (BIVID) | methods for | alloy; | |
| | solderability | – the addition of | |
| | resistance to | several reflow test | |
| | dissolution of | conditions in Table | |
| | metallization and | 7 – Resistance to | |
| | to soldering heat | soldering heat – | |
| | of surface | Test conditions | |
| | mounting devices SMD | and severity, reflow method; | |
| | devices Sivid | – introduction of | |
| | | reflow test method | |
| | | for Test Td3: | |
| | | Dewetting and | |
| | | resistance to | |
| | | dissolution of | |
| | | metallization; | |
| | | – implementation | |
| | | of guidance for the choice of a test | |
| | | severity in Clause | |
| | | B.3. | |
| | | D .J. | |

| IEC 695-2-2 (1991) | The latest | This edition | Latest version |
|----------------------|--------------------|----------------------|-----------------|
| Fire hazard testing | version of this | includes the | may be referred |
| — Part 2: Test | international | following | j |
| methods — Section | standard is | significant | |
| 2: Needle-flame test | replaced by IEC | technical changes | |
| | 60695-11-5:2016 | with respect to the | |
| | Fire hazard | previous | |
| | testing - Part 11- | edition: | |
| | 5: Test flames - | a) The scope has | |
| | Needle-flame | been broadened to | |
| | test method - | allow this test | |
| | Apparatus, | method to also | |
| | confirmatory test | simulate the effects | |
| | arrangement and | of | |
| | guidance | small flames from | |
| | 8 | outside the | |
| | | equipment; | |
| | | b) Propane and | |
| | | butane gas are the | |
| | | specified fuel | |
| | | source with a | |
| | | minimum purity of | |
| | | 95 %; | |
| | | c) A new concept | |
| | | has been added | |
| | | which allows the | |
| | | burner to be | |
| | | moved during the | |
| | | test to | |
| | | avoid dripping | |
| | | material from | |
| | | falling onto the tip | |
| | | of the burner tube; | |
| | | d) The burner tube | |
| | | material is now a | |
| | | referenced source; | |
| | | e) The reference | |
| | | for the copper | |
| | | block material has | |
| | | changed – the ISO | |
| | | publication (ISO | |
| | | 1337) | |
| | | has been | |
| | | withdrawn with no | |
| | | replacement. A | |
| | | new callout is now | |
| | | used; | |
| | | f) Informative | |
| | | Annex C and a | |

| | T | | , , |
|---------------------------------------|--------------------|-------------------|-----------|
| | | bibliography have | |
| | | been added. | |
| | | The text of this | |
| | | standard is based | |
| | | on the following | |
| | | documents: | |
| IEC 695-2-4/0(1 | The latest | No Change | No Action |
| 991) Fire hazard | version of this | 110 011411180 | Required |
| testing — Part 2: | international | | Required |
| Test methods — | standard is | | |
| Section 4/Sheet O: | replaced by | | |
| Diffusion type | IEC 60695-11- | | |
| • • | 3:2012 | | |
| and pre-mixed type flame test methods | Fire hazard | | |
| name test methods | | | |
| | testing - Part 11- | | |
| | 3: Test flames - | | |
| | 500 W flames - | | |
| | Apparatus and | | |
| | confirmational | | |
| | test methods | | |
| IEC 695-2-4/1(1 | The latest | No Change | No Action |
| 991) Fire hazard | version of this | | Required |
| testing — Part 2: | international | | _ |
| Test methods — | standard is | | |
| Section 4/Sheet | replaced by | | |
| 1:1kW nominal | IEC 60695-11- | | |
| pre-mixed test flame | 2:2017 | | |
| and guidance | Fire hazard | | |
| and guidance | testing - Part 11- | | |
| | 2: Test flames - 1 | | |
| | kW pre-mixed | | |
| | flame - | | |
| | | | |
| | Apparatus, | | |
| | confirmatory test | | |
| | arrangement and | | |
| | guidance | | |

iii) 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)

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

iv) Technical comments on the standard received, if any

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

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

| Source | Development | Relevant clause of the IS under review that is likely to be impacted (Clause & IS No.) | Action proposed |
|--------|-------------|--|-----------------|
| Nil | Nil | Nil | Nil |

vi) Issues arising out of changes in any related IS or due to formulation of new Indian Standard

| 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 | Nil | Nil | Nil |

vii) Any consequential changes to be considered in other IS

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

6. Any other observation: NIL

7. Recommendations: This Indian Standard IS 14870: 2000 is identical with IEC 61007:1994. The base standard has been revised by IEC 61007:2020, therefore, it is recommended to take up the revision in line with the latest base standard and initiate the revision of this standard. The committee in its meeting held on 31 May 2024 decided

to reaffirm the standard till revised version is published. The committee may decide regarding the referred standards and if required the same may be taken up with IEC.