

## Annexure-1: Standards by BIS, ARAI and TSDSI

### Electrical Equipment including Consumer Electronics (ETD)

The following Draft Indian Standards were issued by Electro-Technical division council at BIS during the last quarter for eliciting technical comment:

At Bureau of Indian Standards (BIS)					
Electrotechnical (ETD)					
Sl. No.	Document No	Title of the Doc	IEC/ISO	Give comments	Detail
1	ETD 1(18633)	Basic and Safety Principles for Man-Machine Interface Marking and Identification - Actuating Principles (First Revision)	IEC TC- (O); IEC TC- (P); IEC TC- 3C SC- 3C (O);	<a href="#">Comment</a>	<a href="#">Detail</a>
2	ETD 1(18645)	Graphical Symbols for Electrical Equipment in Medical Practice (First Revision)	IEC TC- (O); IEC TC- (P); IEC TC- 3C SC- 3C (O);	<a href="#">Comment</a>	<a href="#">Detail</a>
3	ETD 1(18646)	IEC standard frequencies (First Revision)	IEC TC- (O); IEC TC- (P); IEC TC- 3C SC- 3C (O);	<a href="#">Comment</a>	<a href="#">Detail</a>
4	ETD 1(18648)	Industrial Systems Installations and Equipment and Industrial Products - Structuring Principles and Reference Designations - Part 1: Basic Rules (First Revision)	IEC TC- (O); IEC TC- (P); IEC TC- 3C SC- 3C (O);	<a href="#">Comment</a>	<a href="#">Detail</a>
5	ETD 1(18649)	Protection Against Electric Shock - Common Aspects for Installation and Equipment (First Revision)	IEC TC- (O); IEC TC- (P); IEC TC- 3C SC- 3C (O);	<a href="#">Comment</a>	<a href="#">Detail</a>
6	ETD 1(18650)	Basic and Safety Principles for Man-Machine Interface Marking and Identification - Identification of Equipment Terminals Conductor Terminations and Conductors (First Revision)	IEC TC- (O); IEC TC- (P); IEC TC- 3C SC- 3C (O);	<a href="#">Comment</a>	<a href="#">Detail</a>
7	ETD 1(18651)	Designation of phase differences by hour numbers in three-phase AC systems (First Revision)	IEC TC- (O); IEC TC- (P); IEC TC- 3C SC- 3C (O);	<a href="#">Comment</a>	<a href="#">Detail</a>
8	ETD 1(18659)	Electrotechnical Vocabulary Part 614: Generation Transmission and Distribution of Electricity Operation (First Revision)	IEC TC- (O); IEC TC- (P); IEC TC- 3C SC- 3C (O);	<a href="#">Comment</a>	<a href="#">Detail</a>

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9	ETD 13(18664)	a.c. Static Transformer Operated Watthour Meters (Class 0.2 S and 0.5 S) and Var-Hour Meters (Class 0.2 S, 0.5 S and 1 S) — Specification (First Revision) - Amendment 1	IEC TC-13 (P);	<a href="#">Comment</a>	<a href="#">Detail</a>
10	ETD 16(18647)	Safety of transformers reactors power supply units and combinations thereof Part 1: General requirements and tests	IEC TC- 14 (P); IEC TC- 96 (P);	<a href="#">Comment</a>	<a href="#">Detail</a>
11	ETD 16(18652)	Safety of Transformers Reactors Power Supply Units and Combinations Thereof Part 2-4: Particular Requirements and Tests for Isolating Transformers and Power Supply Units Incorporating Isolating Transformers for General Applications	IEC TC- 14 (P); IEC TC- 96 (P);	<a href="#">Comment</a>	<a href="#">Detail</a>
12	ETD 16(18653)	Safety of Transformers Reactors Power Supply Units and Combinations Thereof Part 2-6: Particular Requirements and Tests for Safety Isolating Transformers and Power Supply Units Incorporating Safety Isolating Transformers for General Applications	IEC TC- 14 (P); IEC TC- 96 (P);	<a href="#">Comment</a>	<a href="#">Detail</a>
13	ETD 21(18661)	Arc Welding Equipment Part 2: Liquid Cooling Systems (First Revision)	ISO TC-44 SC- (O); IEC TC-26 SC- (O);	<a href="#">Comment</a>	<a href="#">Detail</a>
14	ETD 21(18662)	Arc welding equipment Part 3: Arc striking and stabilizing devices (First Revision)	ISO TC-44 SC- (O); IEC TC-26 SC- (O);	<a href="#">Comment</a>	<a href="#">Detail</a>
15	ETD 21(18663)	Arc welding equipment Part 5: Wire feeders (First Revision)	ISO TC-44 SC- (O); IEC TC-26 SC- (O);	<a href="#">Comment</a>	<a href="#">Detail</a>
16	ETD 21(18665)	Arc welding equipment Part 8: Gas consoles for welding and plasma cutting systems (First Revision)	ISO TC-44 SC- (O); IEC TC-26 SC- (O);	<a href="#">Comment</a>	<a href="#">Detail</a>
17	ETD 21(18666)	Arc welding equipment Part 10: Electromagnetic compatibility EMC requirements (First Revision)	ISO TC-44 SC- (O); IEC TC-26 SC- (O);	<a href="#">Comment</a>	<a href="#">Detail</a>
18	ETD 23(18372)	Tubular fluorescent lamps for general lighting service: Part 2 performance requirements (Second Revision) Amendment – 1	-	<a href="#">Comment</a>	<a href="#">Detail</a>
19	ETD 25(18483)	DRAFT AMENDMENT NO. 4 NOVEMBER 2021 TO IS 14665 (PART 3/SEC 1): 2000 ELECTRIC TRACTION LIFTS PART 3 SAFETY RULES/ SECTION 1 PASSENGER AND GOODS LIFTS	ISO TC- 178 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
20	ETD 28(18548)	Photovoltaic devices Part 14: Guidelines for production line measurements of single-junction PV module maximum power output and reporting at standard test conditions	IEC TC-82 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>

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21	ETD 28(18549)	Photovoltaic PV Module Performance Testing and Energy Rating Part 3: Energy Rating of PV Modules	IEC TC-82 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
22	ETD 28(18550)	Photovoltaic PV Module Performance Testing and Energy Rating Part 4: Standard Reference Climatic Profiles	IEC TC-82 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
23	ETD 28(18551)	Safety of Power Converters for Use in Photovoltaic Power Systems Part 3: Particular Requirements for Electronic Devices in Combination with Photovoltaic Elements	IEC TC-82 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
24	ETD 28(18552)	Photovoltaic PV Systems Requirements for Testing Documentation and Maintenance Part 2: Grid Connected Systems Maintenance of PV Systems	IEC TC-82 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
25	ETD 28(18553)	Measurement Procedures for Materials Used in Photovoltaic Modules Part 1-7: Encapsulates Test Procedure of Optical Durability	IEC TC-82 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
26	ETD 28(18554)	Measurement Procedures for Materials Used in Photovoltaic Modules Part 5-1: Edge Seals Suggested Test Methods for Use with Edge Seal Materials	IEC TC-82 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
27	ETD 28(18555)	Measurement Procedures for Materials Used in Photovoltaic Modules Part 5-2: Edge Seals Durability Evaluation Guideline	IEC TC-82 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
28	ETD 28(18556)	Measurement Procedures for Materials Used in Photovoltaic Modules Part 6-2: General Tests Moisture Permeation Testing of Polymeric Materials	IEC TC-82 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
29	ETD 28(18557)	Maximum Power Point Tracking Efficiency of Grid Connected Photovoltaic Inverters	IEC TC-82 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
30	ETD 28(18558)	Extended Thermal Cycling of PV Modules Test Procedure	IEC TC-82 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
31	ETD 28(18559)	Photovoltaic Power Systems PVPS Information Model for Availability	IEC TC-82 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
32	ETD 28(18560)	Photovoltaics in Buildings Part 2: Requirements for Building-Integrated Photovoltaic Systems	IEC TC-82 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
33	ETD 28(18561)	Simulators Used for Testing of Photovoltaic Power Conversion Equipment Recommendations Part 1: AC Power Simulators	IEC TC-82 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
34	ETD 28(18562)	Photovoltaic Systems Power Conversion Equipment Performance Energy Evaluation Method	IEC TC-82 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>

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35	ETD 28(18563)	Photovoltaic Systems Guidelines for Effective Quality Assurance of Power Conversion Equipment	IEC TC-82 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
36	ETD 28(18564)	Incompatibility of Connectors for Dc-Application in Photovoltaic Systems	IEC TC-82 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
37	ETD 28(18565)	Managing Fire Risk Related to Photovoltaic PV Systems on Buildings	IEC TC-82 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
38	ETD 28(18566)	Lightning and Surge Voltage Protection for Photovoltaic PV Power Supply Systems	IEC TC-82 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
39	ETD 28(18567)	Measurement Protocols for Photovoltaic Devices Based on Organic Dye-Sensitized or Perovskite Materials	IEC TC-82 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
40	ETD 28(18568)	Derisking Photovoltaic Modules Sequential and Combined Accelerated Stress Testing	IEC TC-82 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
41	ETD 28(18569)	Photovoltaic Power Systems PVPSS Roadmap for Robust Reliability	IEC TC-82 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
42	ETD 28(18570)	Guidelines for Qualifying PV Modules Components and Materials for Operation at High Temperatures	IEC TC-82 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
43	ETD 28(18571)	Photovoltaics in Buildings Part 1: Requirements for Building-Integrated Photovoltaic Modules	IEC TC-82 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
44	ETD 29(17182)	SPECIFICATION FOR CAPACITORS FOR ELECTRIC FAN MOTORS	IEC TC-33 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
45	ETD 36(18655)	Live Working - Conductive Clothing (Second Revision)	IEC TC- 78 (O)	<a href="#">Comment</a>	<a href="#">Detail</a>
46	ETD 36(18656)	Live Working Methods for Assessment of Defects and Verification of Performance Applicable to Tools Devices and Equipment (Second Revision)	IEC TC- 78 (O)	<a href="#">Comment</a>	<a href="#">Detail</a>
47	ETD 36(18657)	Live Working Voltage Detectors Part 1: Capacitive Type to Be Used for Voltages Exceeding 1 KV AC (First Revision)	IEC TC- 78 (O)	<a href="#">Comment</a>	<a href="#">Detail</a>
48	ETD 36(18658)	Live Working Guidelines for The Installation of Transmission and Distribution Line Conductors and Earth Wires Stringing Equipment and Accessory Items (First Revision)	IEC TC- 78 (O)	<a href="#">Comment</a>	<a href="#">Detail</a>
49	ETD 39(18460)	High-Voltage Fuses Part 1: Current-Limiting Fuses	IEC TC-10 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
50	ETD 39(18582)	HIGH-VOLTAGE FUSES PART 4: ADDITIONAL TESTING REQUIREMENTS FOR HIGH-VOLTAGE EXPULSION FUSES UTILIZING POLYMERIC INSULATORS	IEC TC-10 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
51	ETD 50(18350)	LVDC systems Assessment of standard voltages and power quality requirements	IEC TC-SyC LVDC (P)	<a href="#">Comment</a>	<a href="#">Detail</a>

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52	ETD 11(18132)	Methods of test for measurement of Energy density and Cycle life of Advanced Chemistry Cells ACCs	IEC TC-21 (O); IEC TC- SC-21A (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
53	ETD 19(18444)	Power installations exceeding 1 kV ac Part 1: Common Rules	IEC TC-28 (P); IEC TC-42 (P); IEC TC-109 (O)	<a href="#">Comment</a>	<a href="#">Detail</a>
54	ETD 23(18372)	Tubular fluorescent lamps for general lighting service: Part 2 performance requirements (Second Revision) Amendment – 1	–	<a href="#">Comment</a>	<a href="#">Detail</a>
55	ETD 25(18458)	Installation and maintenance of home lifts - Code of practice - Amendment - 2	ISO TC- 178 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
56	ETD 25(18459)	GUIDE FOR MAINTENANCE FOR ESCALATORS AND MOVING WALKS	ISO TC- 178 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
57	ETD 25(18475)	GUIDE FOR MAINTENANCE OF LIFTS	ISO TC- 178 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
58	ETD 25(18483)	DRAFT AMENDMENT NO. 4 NOVEMBER 2021 TO IS 14665 (PART 3/SEC 1): 2000 ELECTRIC TRACTION LIFTS PART 3 SAFETY RULES/ SECTION 1 PASSENGER AND GOODS LIFTS	ISO TC- 178 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
59	ETD 28(18116)	Measurement Procedures for Materials Used in Photovoltaic Modules Part 1: Encapsulants Section 4 Measurement of Optical Transmittance and Calculation of the Solar-Weighted Photon Transmittance Yellowness Index and UV Cut-Off Wavelength (First Revision)	IEC TC-82 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
60	ETD 28(18117)	Measurement Procedures for Materials Used in Photovoltaic Modules Part 1: Encapsulants Section 6 Test Methods for Determining the Degree of Cure in Ethylene-Vinyl Acetate (First Revision)	IEC TC-82 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
61	ETD 28(18118)	Photovoltaic Inverters - Data Sheet and Name Plate (First Revision)	IEC TC-82 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
62	ETD 28(18119)	Junction Boxes for Photovoltaic Modules Safety Requirements and Tests (First Revision)	IEC TC-82 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
63	ETD 28(18120)	Photovoltaic PV Modules Salt Mist Corrosion Testing (First Revision)	IEC TC-82 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
64	ETD 28(18121)	Terrestrial Photovoltaic PV Modules - Quality System for PV Module Manufacturing (First Revision)	IEC TC-82 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
65	ETD 29(17182)	SPECIFICATION FOR CAPACITORS FOR ELECTRIC FAN MOTORS	IEC TC-33 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
66	ETD 36(12946)	Live Working - Electrical Insulating Blankets	IEC TC- 78 (O)	<a href="#">Comment</a>	<a href="#">Detail</a>
67	ETD 36(12947)	Rigid Protective Covers for Live Working on A.C. Installation	IEC TC- 78 (O)	<a href="#">Comment</a>	<a href="#">Detail</a>

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68	ETD 50(18350)	LVDC systems Assessment of standard voltages and power quality requirements	IEC TC-SyC LVDC (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
69	<a href="#">ETD 51(18175)</a>	Electric vehicle battery swap system - Part 1: General and Guidance	IEC TC-69 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
70	<a href="#">ETD 51(18205)</a>	Electric vehicle battery swap system - Part 2: Safety requirements	IEC TC-69 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
<a href="https://www.services.bis.gov.in:8071/php/BIS_2.0/dgdashboard/draft/darftdetail/65/3/ETD">https://www.services.bis.gov.in:8071/php/BIS_2.0/dgdashboard/draft/darftdetail/65/3/ETD</a>					

### ICT/LITD

The following Draft Indian Standards were issued by Electronics and Information Technology division council (LTD) of BIS for eliciting technical comments:

At Bureau of Indian Standards (BIS)					
Electronics and Information Technology Department (LITD)					
Sl No	Document No	Title of the Doc	IEC/ISO	Give comments	Detail
1	LITD 8(18683)	RADIATION PROTECTION INSTRUMENTATION DOSIMETRY SYSTEMS WITH INTEGRATING PASSIVE DETECTORS FOR INDIVIDUAL WORKPLACE AND ENVIRONMENTAL MONITORING OF PHOTON AND BETA RADIATION First Revision	IEC TC- 45 (O) IEC TC- 85 (O); IEC TC- 45A SC- 45A (O); IEC TC- 45B SC- 45B (O); ISO TC- 85 (P); ISO TC- 2 SC- 2 (P) ISO TC- 5 SC- 5 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
2	LITD 15(18172)	Digital publishing EPUB accessibility Conformance and discoverability requirements for EPUB publications	ISO/IEC/JTC1 TC- 22 SC- 22 (O); ISO/IEC/JTC1 TC- 32 SC- 32 (P); ISO/IEC/JTC1 TC- 34 SC- 34 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
3	LITD 15(18527)	Information technology Metadata registries MDR Part 2: Classification	ISO/IEC/JTC1 TC- 22 SC- 22 (O); ISO/IEC/JTC1 TC- 32 SC- 32 (P); ISO/IEC/JTC1 TC- 34 SC- 34 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
4	LITD 15(18680)	Programming Languages — C++	ISO/IEC/JTC1 TC- 22 SC- 22 (O); ISO/IEC/JTC1 TC- 32 SC- 32 (P); ISO/IEC/JTC1 TC- 34 SC- 34 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>

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5	LITD 1(18703)	Electrotechnical Vocabulary Part 84 Terminology Concerning Fire Tests for Electrotechnical Products Third Revision	IEC TC- 89 SC- (O); IEC TC-104 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
6	LITD 5(18462)	Environmental testing Part 2 Tests Section 20 Tests Ta and Tb: Test methods for solderability and resistance to soldering heat of devices with leads Superseding 1IS 9000 Part 18Sec 1 to 3:1981 and 2 IS 9001 Part 9: 1981	IEC TC- 40 (P); IEC TC- 47 (P); IEC TC- 47A SC- 47A (P); IEC TC- 91 (P); IEC TC- 47F SC- 47F (O); IEC TC- 86B SC- 86B (O)	<a href="#">Comment</a>	<a href="#">Detail</a>
7	LITD 5(18463)	Fixed resistors for use in electronic equipment Part 1 Generic specification Superseding IS 5786 Part 1: 2018	IEC TC- 40 (P); IEC TC- 47 (P); IEC TC- 47A SC- 47A (P); IEC TC- 91 (P); IEC TC- 47F SC- 47F (O); IEC TC- 86B SC- 86B (O)	<a href="#">Comment</a>	<a href="#">Detail</a>
8	LITD 5(18464)	Method of measurement of current noise generated in fixed resistors Superseding IS 5027: 1969	IEC TC- 40 (P); IEC TC- 47 (P); IEC TC- 47A SC- 47A (P); IEC TC- 91 (P); IEC TC- 47F SC- 47F (O); IEC TC- 86B SC- 86B (O)	<a href="#">Comment</a>	<a href="#">Detail</a>
9	LITD 5(18465)	Method of measurement of non-linearity in resistors Superseding IS 13504: 1992	IEC TC- 40 (P); IEC TC- 47 (P); IEC TC- 47A SC- 47A (P); IEC TC- 91 (P); IEC TC- 47F SC- 47F (O); IEC TC- 86B SC- 86B (O)	<a href="#">Comment</a>	<a href="#">Detail</a>

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10	LITD 5(18469)	Thermistors Directly heated positive temperature coefficient Part 1 Generic specification Superseding IS 11534 Part 1: 1985 and IS QC 440000: 1994	IEC TC- 40 (P); IEC TC- 47 (P); IEC TC- 47A SC- 47A (P); IEC TC- 91 (P); IEC TC- 47F SC- 47F (O); IEC TC- 86B SC- 86B (O)	<a href="#">Comment</a>	<a href="#">Detail</a>
11	LITD 5(18472)	Fixed capacitors for use in electronic equipment Part 4 Sectional specification Fixed aluminium electrolytic capacitors with solid MnO <sub>2</sub> and non-solid electrolyte Superseding IS 4317: 1983 and ISQC 300300: 1992	IEC TC- 40 (P); IEC TC- 47 (P); IEC TC- 47A SC- 47A (P); IEC TC- 91 (P); IEC TC- 47F SC- 47F (O); IEC TC- 86B SC- 86B (O)	<a href="#">Comment</a>	<a href="#">Detail</a>
12	LITD 5(18473)	Fixed capacitors for use in electronic equipment Part 9: Sectional specification: Fixed capacitors of ceramic dielectric Class 2 Superseding IS 2786 Part 1: 1978 and ISQC 300700: 1994	IEC TC- 40 (P); IEC TC- 47 (P); IEC TC- 47A SC- 47A (P); IEC TC- 91 (P); IEC TC- 47F SC- 47F (O); IEC TC- 86B SC- 86B (O)	<a href="#">Comment</a>	<a href="#">Detail</a>
13	LITD 5(18474)	Fixed capacitors for use in electronic equipment Part 14 Sectional specification Fixed capacitors for electromagnetic interference suppression and connection to the supply mains Superseding ISQC 302400: 1994	IEC TC- 40 (P); IEC TC- 47 (P); IEC TC- 47A SC- 47A (P); IEC TC- 91 (P); IEC TC- 47F SC- 47F (O); IEC TC- 86B SC- 86B (O)	<a href="#">Comment</a>	<a href="#">Detail</a>
14	LITD 5(18476)	Fixed capacitors for use in electronic equipment Part 14 Blank detail specification Fixed capacitors for electromagnetic interference suppression and connection to the supply mains Section 1 Assessment level DZ Superseding ISQC 302401: 1994	IEC TC- 40 (P); IEC TC- 47 (P); IEC TC- 47A SC- 47A (P); IEC TC- 91 (P); IEC TC- 47F SC- 47F (O); IEC TC- 86B SC- 86B (O)	<a href="#">Comment</a>	<a href="#">Detail</a>



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15	LITD 5(18477)	Fixed capacitors for use in electronic equipment Part 15: Sectional specification: Fixed tantalum capacitors with non-solid or solid electrolyte Superseding ISQC 300200: 2000	IEC TC- 40 (P); IEC TC- 47 (P); IEC TC- 47A SC- 47A (P); IEC TC- 91 (P); IEC TC- 47F SC- 47F (O); IEC TC- 86B SC- 86B (O)	<a href="#">Comment</a>	<a href="#">Detail</a>
16	LITD 7(18467)	International Electrotechnical Vocabulary Part 24 Broadcasting Sound Television Data	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
17	LITD 7(18468)	International Electrotechnical Vocabulary IEV Part 3: Acoustics and electroacoustics	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
18	LITD 7(18470)	International Electrotechnical Vocabulary IEV Part 48: Recording and Reproduction of audio and video	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
19	LITD 7(18480)	Electroacoustics- Specifications for Personal Sound Exposure Meters First Revision	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
20	LITD 7(18484)	Audio video and related equipment Determination of power consumption Part 5: Set top boxes STB	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
21	LITD 7(18485)	Electroacoustics Audiometric equipment Part 3: Test signals of short duration	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
22	LITD 7(18486)	Electroacoustics Audiometric equipment Part 6: Instruments for the measurement of otoacoustic emissions	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
23	LITD 7(18487)	Sound system equipment Part 10: Peak programme level meters	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
24	LITD 7(18488)	Analogue audio disk records and reproducing equipment	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>

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25	LITD 7(18489)	Methods of measurement on receivers for television Broadcast transmissions Part 13: General considerations - Measurements at radio and video frequencies	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
26	LITD 7(18490)	Methods of measurement on receivers for television Broadcast transmissions Part 14: Audio channels General methods and methods for monophonic channels	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
27	LITD 13(18354)	Information Technology Home Electronic System HES Application Model Part 3: Model of a Demand-Response Energy Management System for HES	ISO TC- 25 SC- 25 (P); ISO TC-6 SC-6 (P):	<a href="#">Comment</a>	<a href="#">Detail</a>
28	LITD 13(18357)	Information Technology Home Electronic System HES Architecture Part 2-1: Introduction and device modularity	ISO TC- 25 SC- 25 (P); ISO TC-6 SC-6 (P):	<a href="#">Comment</a>	<a href="#">Detail</a>
29	LITD 13(18358)	Information Technology Home Electronic System HES Architecture Part 3-1: Communication Layers Application Layer for Network Based Control of HES Class 1	ISO TC- 25 SC- 25 (P); ISO TC-6 SC-6 (P):	<a href="#">Comment</a>	<a href="#">Detail</a>
30	LITD 13(18364)	Information Technology Home Electronic System HES Architecture Part 3-2: Communication Layers Transport Network and General Parts of Data Link Layer for Network Based Control of HES Class 1	ISO TC- 25 SC- 25 (P); ISO TC-6 SC-6 (P):	<a href="#">Comment</a>	<a href="#">Detail</a>
31	LITD 13(18365)	Information Technology Home Electronic System HES Architecture Part 3-3: User Process for Network Based Control of HES Class 1	ISO TC- 25 SC- 25 (P); ISO TC-6 SC-6 (P):	<a href="#">Comment</a>	<a href="#">Detail</a>
32	LITD 17(18442)	Information technology - Security techniques - Modes of operation for an n - Bit block cipher (Second Revision) Amendment – 1	ISO/IEC TC-JTC 1 SC-27 (P); ISO/IEC/JTC1 TC-WG SC-13 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
33	LITD 28(18457)	Unified Digital Infrastructure Unified Last Mile Communication Protocols Stack Part 4 Network Access Interface Layer IEEE 802154 - Section 1 Specification	IEC TC-SyC SC- (P); IEC TC-SEG 9 (P); ISO/IEC TC-JTC 1 SC-WG 11 (P); IEC TC-SyC (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
34	LITD 31(18278)	Information technology Cloud computing Overview and vocabulary	ISO/IEC TC-JTC 1 SC-38 (P); SOA ISO/IEC TC-JTC 1 SC-39 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
35	LITD 31(18279)	Information technology Cloud computing Reference architecture	ISO/IEC TC-JTC 1 SC-38 (P); SOA ISO/IEC TC-JTC 1 SC-39 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>

## Annexure-1: Standards by BIS, ARAI and TSDSI

36	LITD 31(18280)	Information technology Cloud computing Interoperability and portability	ISO/IEC TC-JTC 1 SC-38 (P); SOA ISO/IEC TC-JTC 1 SC-39 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
37	LITD 31(18282)	Information technology Cloud computing Part 1: Vocabulary	ISO/IEC TC-JTC 1 SC-38 (P); SOA ISO/IEC TC-JTC 1 SC-39 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
38	LITD 31(18285)	Cloud computing and distributed platforms Data flow data categories and data use Part 1: Fundamentals	ISO/IEC TC-JTC 1 SC-38 (P); SOA ISO/IEC TC-JTC 1 SC-39 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
39	LITD 15(18170)	Information technology Metadata registries MDR Part 4: Formulation of data definitions	ISO/IEC/JTC1 TC- 22 SC- 22 (O); ISO/IEC/JTC1 TC- 32 SC- 32 (P); ISO/IEC/JTC1 TC- 34 SC- 34 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
40	LITD 16(16656)	Information technology Radio frequency identification for item management Part 1: Unique identification for RF tags numbering systems	ISO/IEC/JTC1 TC- 17 SC- 17 (P); ISO/IEC/JTC1 TC- 23 SC- 23 (O); ISO/IEC/JTC1 TC- 28 SC- 28 (O); ISO/IEC/JTC1 TC- 31 SC- 31 (P); ISO/IEC/JTC1 TC- SC- 17 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
41	LITD 16(16657)	Information technology Radio frequency identification for item management Part 2: Parameters for air interface communications below 135 kHz	ISO/IEC/JTC1 TC- 17 SC- 17 (P); ISO/IEC/JTC1 TC- 23 SC- 23 (O); ISO/IEC/JTC1 TC- 28 SC- 28 (O); ISO/IEC/JTC1 TC- 31 SC- 31 (P); ISO/IEC/JTC1 TC- SC- 17 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>

## Annexure-1: Standards by BIS, ARAI and TSDSI

42	LITD 16(16658)	Information technology Radio frequency identification for item management Part 2: Unique identification for RF tags registration procedures	ISO/IEC/JTC1 TC- 17 SC- 17 (P); ISO/IEC/JTC1 TC- 23 SC- 23 (O); ISO/IEC/JTC1 TC- 28 SC- 28 (O); ISO/IEC/JTC1 TC- 31 SC- 31 (P); ISO/IEC/JTC1 TC- SC- 17 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
43	LITD 16(16659)	Information technology Radio frequency identification for item management Part 3: Parameters for air interface communications at 1356 MHz	ISO/IEC/JTC1 TC- 17 SC- 17 (P); ISO/IEC/JTC1 TC- 23 SC- 23 (O); ISO/IEC/JTC1 TC- 28 SC- 28 (O); ISO/IEC/JTC1 TC- 31 SC- 31 (P); ISO/IEC/JTC1 TC- SC- 17 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
44	LITD 16(16660)	Information technology Radio frequency identification for item management Part 4: Parameters for air interface communications at 245 GHz	ISO/IEC/JTC1 TC- 17 SC- 17 (P); ISO/IEC/JTC1 TC- 23 SC- 23 (O); ISO/IEC/JTC1 TC- 28 SC- 28 (O); ISO/IEC/JTC1 TC- 31 SC- 31 (P); ISO/IEC/JTC1 TC- SC- 17 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
45	LITD 16(16661)	Information technology Radio frequency identification for item management Part 6: Parameters for air interface communications at 860 MHz to 960 MHz General	ISO/IEC/JTC1 TC- 17 SC- 17 (P); ISO/IEC/JTC1 TC- 23 SC- 23 (O); ISO/IEC/JTC1 TC- 28 SC- 28 (O); ISO/IEC/JTC1 TC- 31 SC- 31 (P); ISO/IEC/JTC1 TC- SC- 17 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>

## Annexure-1: Standards by BIS, ARAI and TSDSI

46	LITD 16(16662)	Information technology Radio frequency identification for item management Part 7: Parameters for active air interface communications at 433 MHz	ISO/IEC/JTC1 TC- 17 SC- 17 (P); ISO/IEC/JTC1 TC- 23 SC- 23 (O); ISO/IEC/JTC1 TC- 28 SC- 28 (O); ISO/IEC/JTC1 TC- 31 SC- 31 (P); ISO/IEC/JTC1 TC- SC- 17 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
47	LITD 16(16718)	Information technology Radio frequency identification for item management Part 61: Parameters for air interface communications at 860MHz to 960MHz Type A	ISO/IEC/JTC1 TC- 17 SC- 17 (P); ISO/IEC/JTC1 TC- 23 SC- 23 (O); ISO/IEC/JTC1 TC- 28 SC- 28 (O); ISO/IEC/JTC1 TC- 31 SC- 31 (P); ISO/IEC/JTC1 TC- SC- 17 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
48	LITD 16(16719)	Information technology Radio frequency identification for item management Part 62: Parameters for air interface communications at 860MHz to 960 MHz Type B	ISO/IEC/JTC1 TC- 17 SC- 17 (P); ISO/IEC/JTC1 TC- 23 SC- 23 (O); ISO/IEC/JTC1 TC- 28 SC- 28 (O); ISO/IEC/JTC1 TC- 31 SC- 31 (P); ISO/IEC/JTC1 TC- SC- 17 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
49	LITD 16(16720)	Information technology Radio frequency identification for item management Part 63: Parameters for air interface communications at 860MHz to 960 MHz Type C	ISO/IEC/JTC1 TC- 17 SC- 17 (P); ISO/IEC/JTC1 TC- 23 SC- 23 (O); ISO/IEC/JTC1 TC- 28 SC- 28 (O); ISO/IEC/JTC1 TC- 31 SC- 31 (P); ISO/IEC/JTC1 TC- SC- 17 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>

## Annexure-1: Standards by BIS, ARAI and TSDSI

50	LITD 16(16721)	Information technology Radio frequency identification for item management Part 64: Parameters for air interface communications at 860MHz to 960 MHz Type D	ISO/IEC/JTC1 TC- 17 SC- 17 (P); ISO/IEC/JTC1 TC- 23 SC- 23 (O); ISO/IEC/JTC1 TC- 28 SC- 28 (O); ISO/IEC/JTC1 TC- 31 SC- 31 (P); ISO/IEC/JTC1 TC- SC- 17 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
51	LITD 16(17411)	Cards and security devices for personal identification Contactless proximity objects Part 1: Physical characteristics	ISO/IEC/JTC1 TC- 17 SC- 17 (P); ISO/IEC/JTC1 TC- 23 SC- 23 (O); ISO/IEC/JTC1 TC- 28 SC- 28 (O); ISO/IEC/JTC1 TC- 31 SC- 31 (P); ISO/IEC/JTC1 TC- SC- 17 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
52	LITD 16(17412)	Cards and security devices for personal identification Contactless proximity objects Part 2: Radio frequency power and signal interface	ISO/IEC/JTC1 TC- 17 SC- 17 (P); ISO/IEC/JTC1 TC- 23 SC- 23 (O); ISO/IEC/JTC1 TC- 28 SC- 28 (O); ISO/IEC/JTC1 TC- 31 SC- 31 (P); ISO/IEC/JTC1 TC- SC- 17 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
53	LITD 16(17413)	Cards and security devices for personal identification Contactless proximity objects Part 3: Initialization and anticollision	ISO/IEC/JTC1 TC- 17 SC- 17 (P); ISO/IEC/JTC1 TC- 23 SC- 23 (O); ISO/IEC/JTC1 TC- 28 SC- 28 (O); ISO/IEC/JTC1 TC- 31 SC- 31 (P); ISO/IEC/JTC1 TC- SC- 17 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>

## Annexure-1: Standards by BIS, ARAI and TSDSI

54	LITD 16(17414)	Cards and security devices for personal identification Contactless proximity objects Part 4: Transmission protocol	ISO/IEC/JTC1 TC- 17 SC- 17 (P); ISO/IEC/JTC1 TC- 23 SC- 23 (O); ISO/IEC/JTC1 TC- 28 SC- 28 (O); ISO/IEC/JTC1 TC- 31 SC- 31 (P); ISO/IEC/JTC1 TC- SC- 17 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
55	LITD 16(17415)	Cards and security devices for personal identification Contactless vicinity objects Part 1: Physical characteristics	ISO/IEC/JTC1 TC- 17 SC- 17 (P); ISO/IEC/JTC1 TC- 23 SC- 23 (O); ISO/IEC/JTC1 TC- 28 SC- 28 (O); ISO/IEC/JTC1 TC- 31 SC- 31 (P); ISO/IEC/JTC1 TC- SC- 17 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
56	LITD 16(17416)	Cards and security devices for personal identification Contactless vicinity objects Part 2: Air interface and initialization	ISO/IEC/JTC1 TC- 17 SC- 17 (P); ISO/IEC/JTC1 TC- 23 SC- 23 (O); ISO/IEC/JTC1 TC- 28 SC- 28 (O); ISO/IEC/JTC1 TC- 31 SC- 31 (P); ISO/IEC/JTC1 TC- SC- 17 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
57	LITD 16(17417)	Cards and security devices for personal identification Contactless vicinity objects Part 3: Anticollision and transmission protocol	ISO/IEC/JTC1 TC- 17 SC- 17 (P); ISO/IEC/JTC1 TC- 23 SC- 23 (O); ISO/IEC/JTC1 TC- 28 SC- 28 (O); ISO/IEC/JTC1 TC- 31 SC- 31 (P); ISO/IEC/JTC1 TC- SC- 17 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>

## Annexure-1: Standards by BIS, ARAI and TSDSI

58	LITD 16(17422)	Identification cards Contactless integrated circuit cards Proximity cards Multiple PICCs in a single PCD field	ISO/IEC/JTC1 TC- 17 SC- 17 (P); ISO/IEC/JTC1 TC- 23 SC- 23 (O); ISO/IEC/JTC1 TC- 28 SC- 28 (O); ISO/IEC/JTC1 TC- 31 SC- 31 (P); ISO/IEC/JTC1 TC- SC- 17 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
59	LITD 1(18194)	Environmental Testing Part 2 Tests Section 5 Test M: Low Air Pressure	IEC TC- 89 SC- (O); IEC TC-104 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
60	LITD 1(18195)	Environmental Testing Part 2 Tests Section 5 Test ZAD: Composite Temperature Humidity Cyclic test	IEC TC- 89 SC- (O); IEC TC-104 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
61	LITD 1(18196)	Environmental Testing Part 2 Tests Section 6 Test Fc: Vibration sinusoidal	IEC TC- 89 SC- (O); IEC TC-104 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
62	LITD 1(18202)	Environmental Testing Part 2 Tests Section 47 Mounting of specimens for vibration impact and similar dynamic tests	IEC TC- 89 SC- (O); IEC TC-104 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
63	LITD 1(18206)	Basic environmental testing procedures Part 2: Tests Section 17: Test Q: Sealing	IEC TC- 89 SC- (O); IEC TC-104 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
64	LITD 1(18207)	Environmental Testing Part 3 Supporting documentation and guidance Sec 4 Damp heat tests	IEC TC- 89 SC- (O); IEC TC-104 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
65	LITD 1(18208)	Environmental testing Part 3: Supporting Documentation and guidance Sec 1: Cold and dry heat tests	IEC TC- 89 SC- (O); IEC TC-104 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
66	LITD 1(18213)	Fire Hazard Testing Part 2 Glowing Hot wire-based test methods Section 13 Glow-wire ignition temperature GWIT test method for materials	IEC TC- 89 SC- (O); IEC TC-104 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
67	LITD 3(18176)	Connectors for electrical and electronic equipment Tests and measurements Part 1: Generic specification	IEC TC- 48B SC- 48B (O); IEC TC- 48D SC- 48D (O); IEC TC-48 (O)	<a href="#">Comment</a>	<a href="#">Detail</a>
68	LITD 5(16612)	Printed Circuit Board Assembly Part 1 Safety Requirements	IEC TC- 40 (P); IEC TC- 47 (P); IEC TC- 47A SC- 47A (P); IEC TC- 91 (P); IEC TC- 47F SC- 47F (O); IEC TC- 86B SC- 86B (O)	<a href="#">Comment</a>	<a href="#">Detail</a>



## Annexure-1: Standards by BIS, ARAI and TSDSI

69	LITD 7(18078)	Universal serial bus interfaces for data and power - Part 1-1: Common components - USB Battery Charging Specification	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
70	LITD 7(18081)	Universal serial bus interfaces for data and power Part 1-3: Common components USB Type-C Cable and Connector Specification	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
71	LITD 7(18082)	Universal serial bus interfaces for data and power Part 1-4: Common components USB Type-CTM Authentication Specification	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
72	LITD 7(18083)	Universal serial bus interfaces for data and power Part 1-5: Common components USB Audio 30 device class definition	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
73	LITD 7(18084)	Universal serial bus interfaces for data and power Part 1-6: Common components USB Audio 30 device class definition basic functions	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
74	LITD 7(18085)	Universal serial bus interfaces for data and power Part 1-7: Common components USB Audio 30 device class definition data formats	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
75	LITD 7(18086)	Universal serial bus interfaces for data and power Part 1-8: Common components USB Audio 30 device class definition terminal types	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
76	LITD 7(18087)	Universal serial bus interfaces for data and power Part 2-1: Universal Serial Bus Specification	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
77	LITD 7(18088)	Universal serial bus interfaces for data and power Part 2-2: Micro-USB Cables and Connectors Specification	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
78	LITD 7(18089)	Universal serial bus interfaces for data and power Part 2-3: Universal Serial Bus Cables and Connectors Class Document	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
79	LITD 7(18090)	Universal Serial Bus interfaces for data and power Part 3-1: Universal Serial Bus 31 Specification	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>

## Annexure-1: Standards by BIS, ARAI and TSDSI

80	LITD 10(18001)	CODE OF PRACTICE FOR INSTALLATION AND MAINTENANCE OF OUTDOOR POWER LINE CARRIER EQUIPMENT PART 2 COUPLING DEVICES	EC TC- 57 (P); IEC TC- SC-PC 118 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
81	LITD 10(18147)	Communication Networks and Systems in substations Part 2 Glossary	EC TC- 57 (P); IEC TC- SC-PC 118 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
82	LITD 10(18148)	COMMUNICATION NETWORKS AND SYSTEMS FOR POWER UTILITY AUTOMATION Part 4: System and project management	EC TC- 57 (P); IEC TC- SC-PC 118 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
83	LITD 10(18149)	Application integration at electric utilities System Interfaces for distribution management Part 1: Interface architecture and general recommendations	EC TC- 57 (P); IEC TC- SC-PC 118 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
84	LITD 10(18150)	Application integration at electric utilities System interfaces for distribution management Part 3: Interface for network operations	EC TC- 57 (P); IEC TC- SC-PC 118 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
85	LITD 10(18152)	Application integration at electric utilities System Interfaces for distribution management Part 4: Interfaces for records and asset management	EC TC- 57 (P); IEC TC- SC-PC 118 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
86	LITD 10(18153)	Energy management system application program interface EMS-API Part 301: Common information model CIM base	EC TC- 57 (P); IEC TC- SC-PC 118 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
87	LITD 10(18156)	Power systems management and associated information exchange Data and communications security Part 3: Communication network and system security Profiles including TCPIP	EC TC- 57 (P); IEC TC- SC-PC 118 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
88	LITD 17(17502)	INFORMATION SECURITY KEY MANAGEMENT PART 5: GROUP KEY MANAGEMENT	ISO/IEC TC-JTC 1 SC-27 (P); ISO/IEC/JTC1 TC-WG SC-13 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
89	LITD 17(17505)	Information technology - Security techniques - Encryption algorithms: Part 5 identity - Based ciphers Amendment - 1	ISO/IEC TC-JTC 1 SC-27 (P); ISO/IEC/JTC1 TC-WG SC-13 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
90	LITD 17(18133)	Information technology - Security techniques - Key management: Part 4 mechanisms based on weak: Secrets (First Revision) Amendment – 2	ISO/IEC TC-JTC 1 SC-27 (P); ISO/IEC/JTC1 TC-WG SC-13 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
91	LITD 17(18209)	INFORMATION TECHNOLOGY BIG DATA REFERENCE ARCHITECTURE PART 4: SECURITY AND PRIVACY	ISO/IEC TC-JTC 1 SC-27 (P); ISO/IEC/JTC1 TC-WG SC-13 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>

## Annexure-1: Standards by BIS, ARAI and TSDSI

92	LITD 17(18210)	INFORMATION TECHNOLOGY INFORMATION SECURITY INCIDENT MANAGEMENT PART 3: GUIDELINES FOR ICT INCIDENT RESPONSE OPERATIONS	ISO/IEC TC-JTC 1 SC- 27 (P); ISO/IEC/JTC1 TC-WG SC-13 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
93	LITD 17(18211)	INFORMATION TECHNOLOGY CYBERSECURITY OVERVIEW AND CONCEPTS	ISO/IEC TC-JTC 1 SC- 27 (P); ISO/IEC/JTC1 TC-WG SC-13 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
94	LITD 17(18442)	Information technology - Security techniques - Modes of operation for an n - Bit block cipher (Second Revision) Amendment – 1	ISO/IEC TC-JTC 1 SC- 27 (P); ISO/IEC/JTC1 TC-WG SC-13 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
95	LITD 19(17769)	Information technology for learning education and training — Learning analytics interoperability — Part 3: Guidelines for data interoperability	ISO/IEC/JTC1 TC- 36 SC- 36 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
96	LITD 19(17770)	Information technology for learning education and training — Learning analytics interoperability — Part 4: Privacy and data protection policies	ISO/IEC/JTC1 TC- 36 SC- 36 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
97	LITD 19(17772)	Information technology - Learning education and training - Content packaging Part 3: Best practice and implementation guide	ISO/IEC/JTC1 TC- 36 SC- 36 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
98	LITD 19(17872)	Information technology - Vocabulary Part 36: Learning education and training	ISO/IEC/JTC1 TC- 36 SC- 36 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
99	LITD 19(17873)	Information technology-Learning education and training- Virtual experiment framework	ISO/IEC/JTC1 TC- 36 SC- 36 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
100	LITD 19(17875)	Information technology for learning education and training - Nomadcity and mobile technologies	ISO/IEC/JTC1 TC- 36 SC- 36 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
101	LITD 19(17876)	Information technology - Quality for learning education and training - Fundamentals and reference framework	ISO/IEC/JTC1 TC- 36 SC- 36 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
102	LITD 28(18457)	Unified Digital Infrastructure Unified Last Mile Communication Protocols Stack Part 4 Network Access Interface Layer IEEE 802154 - Section 1 Specification	IEC TC-SyC SC- (P); IEC TC-SEG 9 (P); ISO/IEC TC-JTC 1 SC- WG 11 (P); IEC TC-SyC (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
103	LITD 35(18478)	Accessibility for the ICT Products and Services Part 2: Determination of Conformance	IEC TC-IEC SyC AAL (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
104	<a href="#">LITD 36(16698)</a>	Information technology Office equipment Accessibility guidelines for older persons and persons with disabilities	ISO/IEC/JTC1 TC- SC- 23 (P); ISO/IEC/JTC1 TC- SC- 28 (P); ISO/IEC/JTC1 TC- SC-35 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>

## Annexure-1: Standards by BIS, ARAI and TSDSI

[https://www.services.bis.gov.in:8071/php/BIS\\_2.0/dgdashboard/draft/darftdetail/66/3/LITD](https://www.services.bis.gov.in:8071/php/BIS_2.0/dgdashboard/draft/darftdetail/66/3/LITD)

### Transport (TED)

The following Draft Indian Standards were issued by Transport engineering division council at BIS during the last quarter for eliciting technical comment:

At Bureau of Indian Standards (BIS)					
Transport Engineering Department (TED)					
S.No.	Document No	Title of the Doc	IEC/ISO	Give comments	Detail
1	TED 18(17087)	Towing Hooks Part 1: Scale of Tractive Efforts	ISO TC- 8 (P); ISO TC- 7 SC- 7 (P); ISO TC- 11 SC- 11 (P); ISO TC- 188 (O):	<a href="#">Comment</a>	<a href="#">Detail</a>
2	TED 26(14995)	Road vehicles - Compressed natural gas CNG fuel systems components - General requirements and definitions	ISO TC- 22 (P); ISO TC- 41 SC- 41 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
3	TED 26(15013)	Road vehicles - Compressed natural gas CNG fuel system components - Conduit Ventilation Hose	ISO TC- 22 (P); ISO TC- 41 SC- 41 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
4	TED 26(15014)	Road vehicles - Compressed natural gas CNG fuel system components - CNG high pressure fuel line Rigid with end connections having pressure exceeding 215 MPA 215 Bar	ISO TC- 22 (P); ISO TC- 41 SC- 41 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
5	TED 26(15015)	Road vehicles - Compressed natural gas CNG Fuel system components - Current limiting devices	ISO TC- 22 (P); ISO TC- 41 SC- 41 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
6	TED 2(16665)	Specification for performance of small size spark ignition engines for agricultural pumps, sprayers, tillers, reapers, and other similar applications Amendment - 4	ISO TC-22 (P); ISO TC-22 SC-34 (P); ISO TC-70 (P); ISO TC-70 SC-7 (P); ISO TC-70 SC-8 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
7	TED 2(17821)	Specification for performance requirements for constant speed compression ignition (Diesel) engines for general purposes (Above 20 KW) Amendment – 1	ISO TC-22 (P); ISO TC-22 SC-34 (P); ISO TC-70 (P); ISO TC-70 SC-7 (P); ISO TC-70 SC-8 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
8	TED 26(15033)	ROAD VEHICLES-LIQUEFIED PETROLEUM GAS LPG SPECIFIC EQUIPMENT-LPG FLEXIBLE HOSE	ISO TC- 22 (P); ISO TC- 41 SC- 41 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>

[https://www.services.bis.gov.in:8071/php/BIS\\_2.0/dgdashboard/draft/darftdetail/67/3/TED](https://www.services.bis.gov.in:8071/php/BIS_2.0/dgdashboard/draft/darftdetail/67/3/TED)

## Annexure-1: Standards by BIS, ARAI and TSDSI

### Smart City/Civil Department (CED)

The following Draft Indian Standards were issued by CED 59-Smart Cities Sectional Committee of Civil engineering division council at BIS during the last quarter for eliciting technical comment:

Smart Cities				
S. No.	Document No	Title of the Doc	IEC/ISO	Give comments
No records found				
<a href="https://www.services.bis.gov.in:8071/php/BIS_2.0/dgdashboard/draft/darftdetail/63/3/CED">https://www.services.bis.gov.in:8071/php/BIS_2.0/dgdashboard/draft/darftdetail/63/3/CED</a>				

### Service Sector Department

The following Draft Indian Standards were issued by SSD of BIS during the last quarter for eliciting technical comment:

At Bureau of Indian Standards (BIS)					
Services					
S.No.	Document No	Title of the Doc	IEC/ISO	Give comments	Detail
1	SSD-I 9(18283)	Collaborative business relationship management- Guidelines for micro small and medium-sized enterprises on the implementation of the fundamental principles	ISO TC-312 (P); ISO TC-324 (P)	<a href="#">Comment</a>	<a href="#">Detail</a>
2	SSD-I 13(16880)	Media and Entertainment Services– Categorization of Programmes offered by Skill Development Services Providers	—	<a href="#">Comment</a>	<a href="#">Detail</a>
3	SSD-II 18(17397)	Guidelines on Supply Chain of Onions	—	<a href="#">Comment</a>	<a href="#">Detail</a>
4	SSD-I 3(18251)	Security objectives of information systems of third-party payment services	—	<a href="#">Comment</a>	<a href="#">Detail</a>
5	SSD-I 3(18270)	Reference data for financial services Specification for the description of banking products or services BPOS	—	<a href="#">Comment</a>	<a href="#">Detail</a>
6	SSD-I 3(18271)	Reference data for financial services Overview of identification of financial instruments	—	<a href="#">Comment</a>	<a href="#">Detail</a>
7	SSD-I 3(18276)	Financial services Unique transaction identifier UTI	—	<a href="#">Comment</a>	<a href="#">Detail</a>
8	SSD-I 3(18277)	Web-service-based application programming interface WAPI in financial services	—	<a href="#">Comment</a>	<a href="#">Detail</a>

## Annexure-1: Standards by BIS, ARAI and TSDSI

9	SSD-I 3(18302)	Securities and related financial instruments- Classification of financial instruments CFI code (Third Revision)	—	<a href="#">Comment</a>	<a href="#">Detail</a>
10	SSD-I 3(18306)	Improving transparency in financial and business reporting Harmonization topics - Part 1: European data point methodology for supervisory reporting	—	<a href="#">Comment</a>	<a href="#">Detail</a>
11	SSD-I 3(18307)	Improving transparency in financial and business reporting Harmonization topics - Part 2: Guidelines for data point modelling	—	<a href="#">Comment</a>	<a href="#">Detail</a>
12	SSD-I 3(18310)	Improving transparency in financial and business reporting Harmonization topics Part 3: Mapping between DPM and MDM	—	<a href="#">Comment</a>	<a href="#">Detail</a>
13	SSD-I 9(18281)	Service excellence Designing excellent service to achieve outstanding customer experiences	—	<a href="#">Comment</a>	<a href="#">Detail</a>
14	SSD-I 9(18283)	Collaborative business relationship management- Guidelines for micro small and medium-sized enterprises on the implementation of the fundamental principles	—	<a href="#">Comment</a>	<a href="#">Detail</a>
15	SSD-I 9(18284)	Service excellence- Principles and model	—	<a href="#">Comment</a>	<a href="#">Detail</a>
16	SSD-II 10(18180)	Information Technology Cloud Computing Service Level Agreement SLA Framework Part 1: Overview and Concepts	—	<a href="#">Comment</a>	<a href="#">Detail</a>
17	SSD-II 10(18181)	Information Technology Cloud Computing Service Level Agreement SLA Framework Part 2: Metric Model	—	<a href="#">Comment</a>	<a href="#">Detail</a>
18	SSD-II 10(18182)	Information Technology Cloud Computing Service Level Agreement SLA Framework Part 3: Core conformance requirements	—	<a href="#">Comment</a>	<a href="#">Detail</a>
19	SSD-II 10(18183)	Information Technology Cloud Computing Service Level Agreement SLA Framework Part 4: Components of Security and of Protection of PII	—	<a href="#">Comment</a>	<a href="#">Detail</a>
20	SSD-II 10(18186)	Information Technology Cloud Computing Guidance for Policy Development	—	<a href="#">Comment</a>	<a href="#">Detail</a>
21	SSD-II 10(18187)	Information Technology Cloud Computing Interacting with Cloud Service Partners CSNs	—	<a href="#">Comment</a>	<a href="#">Detail</a>
22	SSD-II 10(18188)	Information Technology Cloud Computing Cloud Service Metering Elements and Billing Modes	—	<a href="#">Comment</a>	<a href="#">Detail</a>
23	SSD-II 10(18189)	Information Technology Cloud Computing Guidance for using the cloud SLA metric model	—	<a href="#">Comment</a>	<a href="#">Detail</a>

[https://www.services.bis.gov.in:8071/php/BIS\\_2.0/dgdashboard/draft/darftdetail/107/3/SSD-I](https://www.services.bis.gov.in:8071/php/BIS_2.0/dgdashboard/draft/darftdetail/107/3/SSD-I)

[https://www.services.bis.gov.in:8071/php/BIS\\_2.0/dgdashboard/draft/darftdetailcomm/402/3/SSD-II-1](https://www.services.bis.gov.in:8071/php/BIS_2.0/dgdashboard/draft/darftdetailcomm/402/3/SSD-II-1)

## Annexure-1: Standards by BIS, ARAI and TSDSI

### At Automotive Research Association of India (ARAI)

The following Draft Indian Standards were issued by Automotive Research Association of India during the last quarter for eliciting technical comment:

At Automotive Research Association of India (ARAI)			
S. No.	Department	Code	Title
1	Automotive	<a href="#">Draft AIS-010 (Part 1) (Rev.2) /D2/August 2021</a>	Uniform Provisions Concerning the Approval of Motor Vehicle Headlamps Emitting an Asymmetrical Passing-Beam or a Driving-Beam or Both and Equipped with Filament Lamps and/or Light-Emitting Diode (Led) Modules
2	Automotive	<a href="#">Draft AIS-010(Part 2) (Rev.2) / D2 October 2021</a>	Provisions of motor vehicle headlamps emitting a symmetrical passing beam or a driving beam or both and equipped with filament, gas-discharge light sources or LED Modules (Revision 2)
3	Automotive	<a href="#">Draft AIS-010 (Part 4) (Rev.2)/F August 2021</a>	Approval of motor vehicle headlamps equipped with gas-discharge light source
4	Automotive	<a href="#">Draft AIS-010 (Part 5) (Rev. 2)/F 2021</a>	Specification of Colour of Light and Light-Signalling Devices
5	Automotive	<a href="#">Draft AIS-083 (Rev1)/F</a>	Headlamp Cleaners and of Power-Driven Vehicles with Regard to Headlamp Cleaners
6	Automotive	<a href="#">Draft AIS-009 (Rev 2):2021/D4</a>	Automotive Vehicles - Installation Requirements of Lighting and Light-signalling Devices for Two and Three Wheeled Motor Vehicles, and E-Rickshaw/E-Cart vehicles, their Trailers and Semi-Trailers
7	Automotive	<a href="#">Draft AIS 010 (Part 3) (Rev.2):2021/D4</a>	Provisions concerning the Approval of Front Position Lamps, Rear Position Lamps, Stop Lamps, Direction Indicators, Rear- Registration Plate Illuminating Devices and Reversing Lamp for Two and Three Wheeled Vehicles and E-Rickshaw/E-Cart and their Trailers and Semi-trailers
8	Automotive	<a href="#">Draft AIS-034 (Part 1) (Rev.2):2021/D3</a>	Provisions concerning the Approval of Filament Light Sources for use in Approved Lamp of Power-driven Vehicles and their Trailers
9	Automotive	<a href="#">Draft AIS-180/D0/Nov. 2021</a>	Specific Requirements for Motor Vehicles intended for the carriage of Dangerous and Hazardous Goods with regard to their Constructional Features
10	Automotive	<a href="#">Draft AIS-012 (Part 10) (Rev.2) / D4 Nov 2021</a>	Performance Requirements for Daytime Running Lamps for Motor Vehicles
11	Automotive	<a href="#">Draft AIS-183/D0/ Nov. 2021</a>	Type Approval Requirement for Three wheeled moped of L1-1 category
12	Automotive	<a href="#">Draft Amd 10 to AIS-037</a>	Procedure for Type approval and Establishing Conformity of Production for Safety Critical Components

## Annexure-1: Standards by BIS, ARAI and TSDSI

### ICT at TSDSI

<b>"List of New Item for Proposal at TSDSI"</b>				
S. No.	New Item Proposal	Name	Version	Status
1	<a href="#">NIP 274</a>	Study UAV/Drone 3GPP-5G standards applicability to India use cases	TSDSI-SGSS-NIP274-V3.0.0-20211222	Accepted
2	<a href="#">NIP 274</a>	Study UAV/Drone 3GPP-5G standards applicability to India use cases	TSDSI-SGSS-NIP274-V2.0.0-20211222	Accepted
3	<a href="#">NIP 272</a>	Feasibility of Open-Source for 5G-Applications: RAN Intelligent Controller	TSDSI-SGSS-NIP272-V2.0.0-20211220	Accepted
4	<a href="#">NIP 274</a>	Study UAV/Drone 3GPP-5G standards applicability to India use cases	TSDSI-SGSS-NIP274-V1.0.0-20211217	Accepted
5	<a href="#">NIP 268</a>	Study of open and disaggregated design for IP Transport in 5G	TSDSI-SGN-NIP268-V2.0.0-20211208-20211201	Accepted
6	<a href="#">NIP 273</a>	Updates to handbook on IMT with IMT 2020 inputs for WP5D	TSDSI-SGN-NIP273-V1.1.0-20211207-20211201	Accepted
7	<a href="#">NIP 273</a>	Updates to Handbook on IMT with IMT-2020 inputs for WP5D	TSDSI-SGN-NIP273-V1.0.0-20211201	Accepted
<a href="#">For complete details of the NIP please click here</a>				
<b>"List of Study Item status update"</b>				
S. No.	Study Item	Name	Version	Status
1	SI92	Feasibility of Open Source for IP Transport in 5G	TSDSI-SGN-SI92-V1.0.0-20211008	Initiated
<a href="#">For complete details of the Study Items please click here</a>				
<b>"List of SWIP Status Update"</b>				
S. No.	SWIP	Name	Version	Status
1	<a href="#">SWIC755</a>	Requirement and Architecture Contributions for NIP226 (5G Extensions for Broadcast Offload)	TSDSI-SGN-SWIC755-V1.0.0-20211201	Accepted
2	<a href="#">SWIC756</a>	Summary of SI70 email discussions	TSDSI-SGN-SWIC756-V1.0.0-20211201	Accepted
3	<a href="#">SWIC757</a>	Baseline Requirements and Assumptions for NIP226 (5G Extensions for Broadcast Offload)	TSDSI-SGN-SWIC757-V1.0.0-20211201	Accepted



## Annexure-1: Standards by BIS, ARAI and TSDSI

4	<a href="#">SWIC758</a>	Modeling of 6 GHz FSS-IMT coexistence study in India	TSDSI-SGN-SWIC758-V1.0.0-20211201	Accepted
5	<a href="#">SWIC755</a>	Requirement and Architecture Contributions for NIP226 (5G Extensions for Broadcast Offload)	TSDSI-SGN-SWIC755-V1.1.0-20211203	Accepted
6	<a href="#">SWIC754</a>	CR for Rel. 15 5Gi	TSDSI-SGN-SWIC754-V1.1.0-20211207	Accepted
7	<a href="#">SWIC759</a>	TSDSI Response to ITU-R WP5D Liaison Statement for update of Recommendation M.2150	TSDSI-SGN-SWIC759-V1.0.0-20211208	Accepted
8	<a href="#">SWIC755</a>	Requirement and Architecture Contributions for NIP226 (5G Extensions for Broadcast Offload)	TSDSI-SGN-SWIC755-V2.0.0-20211208	Accepted
9	<a href="#">SWIC757</a>	Baseline Requirements and Assumptions for NIP226 (5G Extensions for Broadcast Offload)	TSDSI-SGN-SWIC757-V1.1.0-20211209	Accepted
10	<a href="#">SWIC760</a>	Updates to Draft Technical report on Service Delivery using 5G Broadcast for TV, Radio, IPTV and File-casting	TSDSI-SGSS-SWIC760-V1.0.0-20211214	Accepted
11	<a href="#">SWIC761</a>	Study on Edge Intelligence standards for haptics related IIoT use cases	TSDSI-SGSS-SWIC761-V1.0.0-20211217	Accepted
12	<a href="#">SWIC762</a>	Study of Post-Quantum-Cryptography for Future 5G Networks and Application Verticals	TSDSI-SGSS-SWIC762-V1.0.0-20211220	Accepted
13	<a href="#">SWIC763</a>	Rural Broadband Services & Architecture	TSDSI-SGSS-SWIC763-V1.0.0-20211220	Accepted
14	<a href="#">SWIC764</a>	Minimum Technical Requirements for India PPDR	TSDSI-SGSS-SWIC764-V1.0.0-20211221	Accepted
15	<a href="#">SWIC765</a>	Technical report compilation for sharing with DCPW	TSDSI-SGSS-SWIC765-V1.0.0-20211221	Accepted
16	<a href="#">SWIC766</a>	Updates to Draft Technical report on Digital Process for Know Your Machine Custodian	TSDSI-SGSS-SWIC766-V1.0.0-20211222	Accepted
17	<a href="#">SWIC767</a>	Cloud Interoperability & Portability	TSDSI-SGSS-SWIC767-V1.0.0-20211222	Accepted
18	<a href="#">SWIC768</a>	IoT Identifiers	TSDSI-SGSS-SWIC768-V1.0.0-20211222	Accepted
19	<a href="#">SWIC769</a>	Common User Profile for Personalizing Audio-visual Media	TSDSI-SGSS-SWIC769-V1.0.0-20211222	Accepted
<a href="#">For complete details of the SWIP please click here and select SWIP</a>				