

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	Last Date for Comments	Detail
1	ETD 35(16435)	Electromechanical elementary relays - Part 4: General and safety requirements for reed relays	IEC TC- (O)	16-05-2022	Detail
2	ETD 8(18950)	High-Voltage Switchgear and Control gear: Part 104 Alternating Current Switches for Rated Voltages Higher than 52 kV	IEC TC- 17A SC-17A (P); IEC TC- 17C SC-17C (P); IEC TC-17 (O)	17-04-2022	Detail
3	ETD 11(15802)	Secondary cells and batteries for solar photovoltaic application - General requirements and methods of test	IEC TC-21 (P); IEC TC- SC-21A (P)	26-02-2022	Detail
4	ETD 11(18838)	Lead acid storage batteries for motor vehicles - Valve regulated type Amendment – 1	IEC TC-21 (P); IEC TC- SC-21A (P)	29-03-2022	Detail
5	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)	27-02-2022	Detail
6	ETD 32(17945)	Specification for electric ceiling type fans and regulators (Third Revision) Amendment - 1	IEC TC- 61B, 61H, 61J SC- 61B, 61H, 61J (P); IEC TC- 59A, 59C, 59D, 59F, 59L SC- 59A, 59C, 59D, 59F, 59L (P)	08-03-2022	Detail
7	ETD 43(15314)	Determination of certain substances in electrotechnical products: Part 4 mercury in polymers, metals and electronics by cv - Aas, cv - Afs, icp - Oes and icp - Ms Amendment – 1	IEC TC-111 (P)	04-03-2022	Detail
8	ETD 43(15472)	Technical Documentation for the Assessment of Electrical and Electronic Products with respect to the Restriction of Hazardous Substances	IEC TC-111 (P)	04-03-2022	Detail
9	ETD 43(18861)	Environmentally conscious design ECD - Principles requirements and guidance (First Revision of IS 16244)	IEC TC-111 (P)	04-03-2022	Detail

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10	ETD 43(18862)	Determination of certain substances in electrotechnical products - Part 3-2: Screening - Fluorine bromine and chlorine in polymer and electronics by combustion-ion chromatography C-IC First Revision of IS 16197: Part 3-2	IEC TC-111 (P)	04-03-2022	Detail
11	ETD 43(18863)	Material declaration for products of and for the electrotechnical industry	IEC TC-111 (P)	04-03-2022	Detail
12	ETD 43(18864)	Material declaration for products of and for the electrotechnical industry - Part 1: Guidance for the implementation of IEC 62474	IEC TC-111 (P)	04-03-2022	Detail
13	ETD 40(16861)	Determination of Power Losses in High-Voltage Direct Current HVDC Converter Stations with Line-Commutated Converters first revision	IEC TC- 22F SC- 22F (P)	21-03-2022	Detail
14	ETD 40(17464)	Terminology For Voltage-Sourced Converters VSC for High-Voltage Direct Current HVDC Systems	IEC TC- 22F SC- 22F (P)	06-02-2022	Detail
15	ETD 40(17465)	Power Losses in Voltage Sourced Converter VSC Valves for High-Voltage Direct Current HVDC Systems Part 1: General Requirements	IEC TC- 22F SC- 22F (P)	06-02-2022	Detail
16	ETD 40(17466)	Power losses in voltage sourced converter VSC valves for high-voltage direct current HVDC systems Part 2: Modular multilevel converters	IEC TC- 22F SC- 22F (P)	06-02-2022	Detail
17	ETD 40(17467)	Fire prevention measures on converters for high-voltage direct current HVDC systems static var compensators SVC and flexible ac transmission systems FACTS and their valve halls	IEC TC- 22F SC- 22F (P)	06-02-2022	Detail
18	ETD 40(17470)	Thyristor valves for thyristor-controlled series capacitors TCSC Electrical testing	IEC TC- 22F SC- 22F (P)	06-02-2022	Detail
19	ETD 40(17471)	Voltage sourced converter VSC valves for static synchronous compensator STATCOM Electrical testing	IEC TC- 22F SC- 22F (P)	06-02-2022	Detail
20	ETD 40(17594)	Performance of Unified Power Flow Controller UPFC in Electric Power Systems	IEC TC- 22F SC- 22F (P)	16-02-2022	Detail
21	ETD 40(18809)	High - Voltage direct current (Hvdc) installations - System tests (Amendment No. - 1)	IEC TC- 22F SC- 22F (P)	21-03-2022	Detail
22	ETD 1(18824)	Degrees of protection provided by enclosures (IP Code) (Amendment No - 1)	IEC TC-1 (O); IEC TC-3 (P); IEC TC- SC-3C (O); IEC TC- 8 (P); IEC TC- 25 (O); IEC TC- 70 (O)	23-02-2022	Detail
23	ETD 11(18132)	Methods of test for measurement of Energy density and Cycle life of Advanced Chemistry Cells ACCs	IEC TC-21 (P); IEC TC- SC-21A (P)	08-02-2022	Detail

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24	ETD 21(18661)	Arc Welding Equipment Part 2: Liquid Cooling Systems (First Revision)	ISO TC-44 (O); IEC TC-26 (O)	22-02-2022	Detail
25	ETD 21(18662)	Arc welding equipment Part 3: Arc striking and stabilizing devices (First Revision)	ISO TC-44 (O); IEC TC-26 (O)	22-02-2022	Detail
26	ETD 21(18663)	Arc welding equipment Part 5: Wire feeders (First Revision)	ISO TC-44 (O); IEC TC-26 (O)	22-02-2022	Detail
27	ETD 21(18665)	Arc welding equipment Part 8: Gas consoles for welding and plasma cutting systems (First Revision)	ISO TC-44 (O); IEC TC-26 (O)	25-02-2022	Detail
28	ETD 21(18666)	Arc welding equipment Part 10: Electromagnetic compatibility EMC requirements (First Revision)	ISO TC-44 (O); IEC TC-26 (O)	25-02-2022	Detail
29	ETD 21(18667)	Arc welding equipment Part 11: Electrode holders	ISO TC-44 (O); IEC TC-26 (O)	13-03-2022	Detail
30	ETD 21(18755)	Arc welding equipment Part 13: Welding current return clamp	ISO TC-44 (O); IEC TC-26 (O)	12-03-2022	Detail
31	ETD 21(18756)	Resistance welding equipment Part 2: Electromagnetic compatibility EMC requirements	ISO TC-44 (O); IEC TC-26 (O)	12-03-2022	Detail
32	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)	15-02-2022	Detail
33	ETD 28(18549)	Photovoltaic PV Module Performance Testing and Energy Rating Part 3: Energy Rating of PV Modules	IEC TC-82 (P)	31-01-2022	Detail
34	ETD 28(18550)	Photovoltaic PV Module Performance Testing and Energy Rating Part 4: Standard Reference Climatic Profiles	IEC TC-82 (P)	31-01-2022	Detail
35	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)	31-01-2022	Detail
36	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)	31-01-2022	Detail
37	ETD 28(18553)	Measurement Procedures for Materials Used in Photovoltaic Modules Part 1-7: Encapsulates Test Procedure of Optical Durability	IEC TC-82 (P)	31-01-2022	Detail
38	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)	04-02-2022	Detail
39	ETD 28(18555)	Measurement Procedures for Materials Used in Photovoltaic Modules Part 5-2: Edge Seals Durability Evaluation Guideline	IEC TC-82 (P)	15-02-2022	Detail

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40	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)	15-02-2022	Detail
41	ETD 28(18557)	Maximum Power Point Tracking Efficiency of Grid Connected Photovoltaic Inverters	IEC TC-82 (P)	15-02-2022	Detail
42	ETD 28(18558)	Extended Thermal Cycling of PV Modules Test Procedure	IEC TC-82 (P)	31-01-2022	Detail
43	ETD 28(18559)	Photovoltaic Power Systems Pvps Information Model for Availability	IEC TC-82 (P)	15-02-2022	Detail
44	ETD 28(18560)	Photovoltaics in Buildings Part 2: Requirements for Building-Integrated Photovoltaic Systems	IEC TC-82 (P)	15-02-2022	Detail
45	ETD 28(18561)	Simulators Used for Testing Of Photovoltaic Power Conversion Equipment Recommendations Part 1: AC Power Simulators	IEC TC-82 (P)	15-02-2022	Detail
46	ETD 28(18562)	Photovoltaic Systems Power Conversion Equipment Performance Energy Evaluation Method	IEC TC-82 (P)	15-02-2022	Detail
47	ETD 28(18563)	Photovoltaic Systems Guidelines for Effective Quality Assurance of Power Conversion Equipment	IEC TC-82 (P)	31-01-2022	Detail
48	ETD 28(18564)	Incompatibility of Connectors for Dc-Application in Photovoltaic Systems	IEC TC-82 (P)	04-02-2022	Detail
49	ETD 28(18565)	Managing Fire Risk Related to Photovoltaic PV Systems on Buildings	IEC TC-82 (P)	04-02-2022	Detail
50	ETD 28(18566)	Lightning and Surge Voltage Protection for Photovoltaic PV Power Supply Systems	IEC TC-82 (P)	04-02-2022	Detail
51	ETD 28(18567)	Measurement Protocols for Photovoltaic Devices Based on Organic Dye-Sensitized or Perovskite Materials	IEC TC-82 (P)	04-02-2022	Detail
52	ETD 28(18568)	Derisking Photovoltaic Modules Sequential and Combined Accelerated Stress Testing	IEC TC-82 (P)	04-02-2022	Detail
53	ETD 28(18569)	Photovoltaic Power Systems PVPSs Roadmap for Robust Reliability	IEC TC-82 (P)	05-02-2022	Detail
54	ETD 28(18570)	Guidelines for Qualifying PV Modules Components and Materials for Operation at High Temperatures	IEC TC-82 (P)	05-02-2022	Detail
55	ETD 28(18571)	Photovoltaics in Buildings Part 1: Requirements for Building-Integrated Photovoltaic Modules	IEC TC-82 (P)	15-02-2022	Detail
56	ETD 36(18655)	Live Working - Conductive Clothing (Second Revision)	IEC TC- 78 (O)	22-02-2022	Detail
57	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)	22-02-2022	Detail

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58	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)	22-02-2022	Detail
59	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)	22-02-2022	Detail
60	ETD 39(18582)	HIGH-VOLTAGE FUSES PART 4: ADDITIONAL TESTING REQUIREMENTS FOR HIGH-VOLTAGE EXPULSION FUSES UTILIZING POLYMERIC INSULATORS	IEC TC-10 (P)	05-02-2022	Detail
https://www.services.bis.gov.in:8071/php/BIS_2.0/dgdashboard/draft/darftdetail/65/3/ETD					

ICT/LITD

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

Electronics and Information Technology Department (LITD)					
SI No	Document No	Title of the Doc	IEC/ISO	Last Date for Comments	Detail
1	LITD 10(19002)	Power line communication systems for power utility applications Part 1: Planning of analogue and digital power line carrier systems operating over EHVHVMV electricity grids	IEC TC- 57 (P); IEC TC- SC-PC 118 (P); IEC TC-SyC Smart Energy (P)	04-05-2022	Detail
2	LITD 10(19003)	Power line communication systems for power utility applications Part 2: Analogue power line carrier terminals or APLC	IEC TC- 57 (P); IEC TC- SC-PC 118 (P); IEC TC-SyC Smart Energy (P)	04-05-2022	Detail
3	LITD 10(19006)	Power line communication systems for power utility applications Part 3: Digital Power Line Carrier DPLC Terminals and hybrid ADPLC Terminals	IEC TC- 57 (P); IEC TC- SC-PC 118 (P); IEC TC-SyC Smart Energy (P)	04-05-2022	Detail
4	LITD 17(18953)	Information security cybersecurity and privacy protection Information security controls	ISO/IEC TC-JTC 1 SC-27 (P); ISO/IEC/JTC1 TC-WG SC-13 (P)	17-04-2022	Detail
5	LITD 17(19027)	Cybersecurity Supplier relationships Part 1: Overview and concepts First Revision	ISO/IEC TC-JTC 1 SC-27 (P); ISO/IEC/JTC1 TC-WG SC-13 (P)	20-05-2022	Detail
6	LITD 17(19028)	Information technology -Electronic discovery Part 4: Technical readiness	ISO/IEC TC-JTC 1 SC-27 (P); ISO/IEC/JTC1 TC-WG SC-13 (P)	20-05-2022	Detail

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7	LITD 17(19029)	Information security Encryption algorithms Part 1: General First Revision	ISO/IEC TC-JTC 1 SC-27 (P); ISO/IEC/JTC1 TC- WG SC-13 (P)	20-05-2022	Detail
8	LITD 17(19031)	Information Technology-Security Techniques - Encryption Algorithms Part 3 Block Ciphers Amendment – 1	ISO/IEC TC-JTC 1 SC-27 (P); ISO/IEC/JTC1 TC- WG SC-13 (P)	20-05-2022	Detail
9	LITD 20(19019)	Coding of machine - Readable characters MICR And OCR for information processing	ISO/IEC/JTC1 TC- 2 SC- 2 (P)	13-05-2022	Detail
10	LITD 35(19173)	Accessibility for ICT Products and Services, Part1, Requirements	IEC TC-IEC SyC AAL (P)	23-04-2022	Detail
11	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)	02-03-2022	Detail
12	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)	02-03-2022	Detail
13	LITD 16(18910)	Identification cards Physical characteristics	ISO/IEC/JTC1 TC- 31 SC- 31 (P); ISO/IEC/JTC1 TC- SC-17 (P)	13-04-2022	Detail
14	LITD 16(18916)	Identification cards Identification of issuers Part 1: Numbering system	ISO/IEC/JTC1 TC- 31 SC- 31 (P); ISO/IEC/JTC1 TC- SC-17 (P)	13-04-2022	Detail
15	LITD 16(18918)	Identification cards Identification of issuers Part 2: Application and registration procedures	ISO/IEC/JTC1 TC- 31 SC- 31 (P); ISO/IEC/JTC1 TC- SC-17 (P)	13-04-2022	Detail
16	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)	02-03-2022	Detail
17	LITD 17(18953)	Information security cybersecurity and privacy protection Information security controls	ISO/IEC TC-JTC 1 SC-27 (P); ISO/IEC/JTC1 TC- WG SC-13 (P)	17-04-2022	Detail
18	LITD 30(18790)	Information technology Artificial intelligence AI Bias in AI systems and AI aided decision making	ISO/IEC TC-JTC 1 SC-SC 42 (P)	17-04-2022	Detail
19	LITD 30(18791)	Information technology Artificial intelligence AI Overview of computational approaches for AI systems	ISO/IEC TC-JTC 1 SC-SC 42 (P)	17-04-2022	Detail

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20	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)	02-03-2022	Detail
21	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)	29-01-2022	Detail
22	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)	29-01-2022	Detail
23	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)	02-03-2022	Detail
24	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)	02-03-2022	Detail
25	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)	29-01-2022	Detail
26	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)	29-01-2022	Detail
27	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)	29-01-2022	Detail
28	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)	01-02-2022	Detail
29	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)	01-02-2022	Detail

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30	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)	29-01-2022	Detail
31	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)	02-02-2022	Detail
32	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)	02-02-2022	Detail
33	LITD 9(18772)	Limits and Methods of Measurement of Radio Disturbance Characteristics PART 2 Electromagnetic Compatibility EMC Requirements for Household Appliances Electric Tools and Similar Apparatus Section 1 Emission Forth Revision of IS 6873 Part 2Sec 1	IEC TC- 77 (P); IEC TC-CISPR (O); IEC TC- 77A SC-77A (P); ISO TC-77B SC- 77B (P)	26-03-2022	Detail
34	LITD 9(18774)	Limits and Methods of Measurement of Radio Disturbance Characteristics PART 2 Electromagnetic Compatibility EMC Requirements for Household Appliances Electric Tools and Similar Apparatus Section 2 Emission Product Family Standard Fourth Revision	IEC TC- 77 (P); IEC TC-CISPR (O); IEC TC- 77A SC-77A (P); ISO TC-77B SC- 77B (P)	26-03-2022	Detail
35	LITD 9(18776)	Electromagnetic compatibility EMC Part 4 Testing and Measurement Techniques Section 3 Radiated radio-frequency electromagnetic field immunity test Second Revision of IS 14700 Part 4Sec 3	IEC TC- 77 (P); IEC TC-CISPR (O); IEC TC- 77A SC-77A (P); ISO TC-77B SC- 77B (P)	26-03-2022	Detail
36	LITD 9(18777)	Electromagnetic compatibility EMC Part 6 Generic standards Section 3 Emission standard for equipment in residential environments Second Revision of IS 14700 Part 6Sec 3	IEC TC- 77 (P); IEC TC-CISPR (O); IEC TC- 77A SC-77A (P); ISO TC-77B SC- 77B (P)	26-03-2022	Detail
37	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)	21-02-2022	Detail
38	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)	12-02-2022	Detail
39	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)	12-02-2022	Detail
40	LITD 31(18282)	Information technology Cloud computing Part 1: Vocabulary	ISO/IEC TC-JTC 1 SC-38 (P);	14-02-2022	Detail

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			SOA ISO/IEC TC-JTC 1 SC-39 (P)		
41	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)	12-02-2022	Detail
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:

Transport Engineering Department (TED)					
S. No.	Document No	Title of the Doc	IEC/ISO	Last date for Comments	Detail
1	TED 2(16879)	Automotive power - Performance requirements Measurement of power sfc opacity of positive and compression ignition engine - Method of test	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)	20-05-2022	Detail
2	TED 14(16194)	Unmanned Aircraft Systems – Cybersecurity	ISO TC- 20 (O); ISO TC- 31 (P); ISO TC- 192 (P); ISO TC-20 SC-1 (P); ISO TC-20 SC-4 (P); ISO TC-20 SC-6 (O); ISO TC-20 SC-8 (P); ISO TC-20 SC-9 (O); ISO TC-20 SC-10 (P); ISO TC-20 SC-13 (P); ISO TC-20 SC-14 (P); ISO TC-31 SC-8 (O)	05-04-2022	Detail
3	TED 27(18123)	Electric Power Train Vehicles Part 1 Measurement of Electrical Energy Consumption Amendment – 1	ISO TC-22 (P); ISO TC-22 SC-37 (O); IEC TC-69 (O)	01-05-2022	Detail
4	TED 27(18135)	Electric Power Train Vehicles Part 2 Method of Measuring the Range Amendment – 1	ISO TC-22 (P); ISO TC-22 SC-37 (O); IEC TC-69 (O)	01-05-2022	Detail
5	TED 27(18136)	Electric Power Train Vehicles Part 3 Measurement of Net Power and the Maximum 30 Minute Power Amendment – 1	ISO TC-22 (P); ISO TC-22 SC-37 (O); IEC TC-69 (O)	01-05-2022	Detail

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6	TED 18(17789)	Small craft - Hull construction and scantlings Part 1 Materials: Thermosetting resins, glass-fibre reinforcement, reference laminate	ISO TC- 8 (P); ISO TC- 7 SC- 7 (P); ISO TC- 11 SC- 11 (P); ISO TC- 188 (O)	04-03-2022	Detail
7	TED 29(14091)	Approval of Restraining Devices for Child Occupants of Power- Driven Vehicles Child restraint System	ISO TC- 22 (P); ISO TC-22 SC- 36 (P); ISO TC-22 SC- 12 (P); ISO TC-22 SC-10 (O)	28-03-2022	Detail
8	TED 18(17789)	Small craft - Hull construction and scantlings Part 1 Materials: Thermosetting resins, glass-fibre reinforcement, reference laminate	ISO TC- 8 (P); ISO TC- 7 SC- 7 (P); ISO TC- 11 SC- 11 (P); ISO TC- 188 (O):	04-03-2022	Detail
9	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)	25-02-2022	Detail
10	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)	05-02-2022	Detail
11	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)	25-02-2022	Detail
https://www.services.bis.gov.in:8071/php/BIS_2.0/dgdashboard/draft/darftdetail/67/3/TED					

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				
https://www.services.bis.gov.in:8071/php/BIS_2.0/dgdashboard/draft/darftdetail/63/3/CED				

Service Sector Department

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

Services

Annexure-1: Standards by BIS, ARAI and TSDSI

S. No.	Document No	Title of the Doc	IEC/ISO	Last date for Comments	Detail
1	SSD-II 5(17440)	Yoga Centre — Service Requirements	—	02-04-2022	Detail
2	SSD-II 5(17442)	Physical Activity, Sports and Injury Management - Guidelines for Safety in Educational Institutions and Community Sports Academies	—	15-04-2022	Detail
3	SSD-II 1(18008)	Transportation of Dangerous Goods – Guidelines	ISO TC-315 (P)	11-03-2022	Detail
4	SSD-I 13(16880)	Media and Entertainment Services– Categorization of Programmes offered by Skill Development Services Providers	—	18-02-2022	Detail
5	SSD-II 18(17397)	Guidelines on Supply Chain of Onions	—	13-02-2022	Detail
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					

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	Draft AIS-162/D3/Feb 2022	Type Approval of Motor Vehicles of categories M2, M3, N2 and N3 with regard to the Advanced Emergency Braking Systems (AEBS)	
2	Automotive	Draft Amd 1 to AIS-137 (Part 1)	Test Method, Testing Equipment and Related Procedures for Type Approval and Conformity of Production (COP) Testing of L2 category Vehicles for Bharat Stage VI emission norms as per CMV Rules 115, 116 and 126	
3	Automotive	Draft AIS-186/D0	Approval of motor vehicles with regard to the Blind Spot Information System for the Detection of Bicycles	
4	Automotive	Draft AIS-187/D0	Approval of motor vehicles with regard to the Moving Off Information System for the Detection of Pedestrians and Cyclists	
5	Automotive	Draft AIS-178/D1	Provisions for Adapted Vehicles of categories L1, L2, L5M and E-rickshaw	
6	Automotive	Draft AIS-100(Rev. 1)/D2	Requirements for the Protection of Pedestrian and other Vulnerable Road Users in the event of a Collision with a Motor Vehicle	
7	Automotive	Draft AIS-180/D1/ Feb 2022	Specific Requirements for Motor Vehicles intended for the carriage of Dangerous and Hazardous Goods with regard to their Constructional Features	
8	Automotive	Draft Amd 2 to AIS-024 and AIS-028 (Rev.1)	Safety and procedural requirements for type approval of CNG/Bio-CNG/LNG operated vehicles (DEDICATED, BI-FUEL & DUAL FUEL) and Code of practice for use of CNG/Bio-CNG/LNG fuel in internal combustion engine vehicles	

Annexure-1: Standards by BIS, ARAI and TSDSI

9	Automotive	Draft AIS-181/D1/ Feb. 2022	Approval of Tank Vehicles with regard to Rollover Stability
10	Automotive	Draft AIS 174 / D1	Specific Requirements for Electric Power Train Construction Equipment Vehicle(s)
https://www.araiindia.com/downloads			

ICT at TSDSI

"List of New Item for Proposal at TSDSI"				
S. No.	New Item Proposal	Name	Version	Status
1	NIP 276	Technical Standards Activity Roadmap Planning	TSDSI-SGN-NIP276-V1.0.0-20220309	Accepted
2	NIP 275	Transposition of Security Standards for 5G elements covered under 3GPPs "Series 33" specifications of Release 15 and Release 16	TSDSI-SGSS-NIP275-V1.0.0-20220119	Accepted
3	NIP 270	Functional Split and Fronthaul Interface in FBS Driven C-RAN for 5G and Beyond	TSDSI-SGN-NIP270-V2.0.0-20220304	Introduced in SGN TP#24 (August 2021) and approved as a Work Item in SGN TP#26 (March 2022)

[For complete details of the NIP please click here](#)

"List of Study Item status update"				
S. No.	Study Item	Name	Version	Status
1	SI93	Study UAV/Drone 3GPP-5G standards applicability to India use cases	TSDSI-SGSS-SI93-V1.0.0-20220308	Initiated

[For complete details of the Study Items please click here](#)

"List of SWIP Status Update"				
S. No.	SWIP	Name	Version	Status
1	SWIC770	5Gi 3GPP merger LS to ITU-R WP5D, TEC, 3GPP PCG, & 3GPP TSG RAN	TSDSI-SGN-SWIC770-V1.0.0-20220110	Accepted
2	SWIC771	Architecture Contribution for NIP226	TSDSI-SGN-SWIC771-V1.0.0-20220228	Accepted
3	SWIC772	Table of Contents for NIP 248	TSDSI-SGN-SWIC772-V1.0.0-20220301	Accepted
4	SWIC773	A Generic Relay Architecture for 5G & beyond	TSDSI-SGN-SWIC773-V1.0.0-20220301	Accepted

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5	SWIC774	Evaluation of coexistence between FSS & IMT in 6GHz spectrum	TSDSI-SGN-SWIC774-V1.0.0-20220301	Accepted
6	SWIC775	Email discussion [TSDSI-SGN-TP25-ED04] outcome	TSDSI-SGN-SWIC775-V1.0.0-20220301	Accepted
7	SWIC777	Detailed TR on VLC/LiFi	TSDSI-SGN-SWIC777-V1.0.0-20220303	Accepted
8	SWIC778	Characterization of E-band Transmission in India	TSDSI-SGN-SWIC778-V1.0.0-20220303	Accepted
9	SWIC779	Dynamic Joint Deployment of SDN Controllers and Hypervisors for Softwarized 5G and Beyond	TSDSI-SGN-SWIC779-V1.0.0-20220303	Accepted
10	SWIC772	Table of Contents for NIP 248	TSDSI-SGN-SWIC772-V1.1.0-20220307	Accepted
11	SWIC780	Drafting of SWIC 758 WD	TSDSI-SGN-SWIC780-V1.0.0-20220308	Accepted
12	SWIC774	Evaluation of coexistence between FSS & IMT in 6GHz spectrum	TSDSI-SGN-SWIC774-V1.1.0-20220308	Accepted

<https://tsdsi.in/study-work-items-proposals/16/>