

Annexure 1

Draft Standards by BIS, ARAI and TSDSI for period of 'Oct – Dec' 2018

Quarterly Report No.11

Smart City

Standard at BIS

S. No.	Document No	Title of the Doc	IEC/ISO
No draft standard reported under this category			

Electrical Equipment including Consumer Electronics

Standard at BIS

The following Draft Indian Standards were issued by Electro-technical Division Council (ETD) at BIS during the last quarter for eliciting technical comment:

Electrical Equipment including Consumer Electronics (ETD)			
S. No.	Document No.	Title of the Doc	IEC/ISO
1	ETD 42 (13137)	Wind Turbines Generator Systems Part 13 Measurement of Mechanical Loads	IEC TC- 88 (P); IEC TC- 88 (P)
2	ETD 42 (13135)	Wind Turbines - Part 12-2:Power performance of electricity-producing wind turbines based on nacelle anemometry	IEC TC- 88 (P); IEC TC- 88 (P)
3	ETD 42 (13136)	Wind Turbines - Part 12-1:Power performance measurements of electricity producing wind turbines	IEC TC- 88 (P); IEC TC- 88 (P)
4	ETD 42 (13170)	WIND TURBINES PART 26 WIND ENERGY GENERATION SYSTEMS SEC 3 : AVAILABILITY FOR WIND POWER STATIONS	IEC TC- 88 (P); IEC TC- 88 (P)
5	ETD42 (13166)	WIND TURBINES PART 25 COMMUNICATIONS FOR MONITORING AND CONTROL OF WIND POWER PLANTS SECTION4: MAPPING TO COMMUNICATION PROFILE	IEC TC- 88 (P); IEC TC- 88 (P)

6	ETD42 (13167)	WIND TURBINES PART 25 COMMUNICATIONS FOR MONITORING AND CONTROL OF WIND POWER PLANTS SECTION6:LOGICAL NODE CLASSES AND DATA CLASSES FOR CONDITION MONITORING	IEC TC- 88 (P); IEC TC- 88 (P)
7	ETD 42 (13168)	WIND TURBINES PART 26 SEC 1: TIME-BASED AVAILABILITY FOR WIND TURBINE GENERATING SYSTEMS	IEC TC- 88 (P); IEC TC- 88 (P)
8	ETD42 (13169)	WIND TURBINES PART 26 SEC 2: PRODUCTION-BASED AVAILABILITY FOR WIND TURBINES	IEC TC- 88 (P); IEC TC- 88 (P)
9	ETD42 (13165)	WIND TURBINES PART 25 COMMUNICATIONS FOR MONITORING AND CONTROL OF WIND POWER PLANTS SECTION 1: OVERALL DESCRIPTION OF PRINCIPLES AND MODELS	IEC TC- 88 (P); IEC TC- 88 (P)
10	ETD 02 (13184)	Draft Amendment No.3 To IS 15652 : 2006 Insulating Mats For Electrical Purposes — Specification	IEC TC- (P); IEC TC- (O); IEC TC- (O)
11	ETD 02 (13185)	LIVE WORKING – ELECTRICAL INSULATING MATTING	IEC TC- (P); IEC TC- (O); IEC TC- (O)
12	ETD 16(6824)	OUTDOOR/INDOOR TYPE LIQUID IMMERSED DISTRIBUTION TRANSFORMERS UPTO AND INCLUDING 2 500 kVA, 33kV — SPECIFICATION Part 2 Natural/Synthetic Ester Liquid Immersed	IEC TC- 14 (P); IEC TC- 96 (P); IEC TC- 96 (P)
13	ETD-51(13268)	Road Vehicles — Vehicle to Grid Communication Interface Part 8: Physical Layer and Data Link Layer Requirements for Wireless Communication	--
14	ETD-51(13267)	Road Vehicles — Vehicle to Grid Communication Interface Part 5: Physical Layer and Data Link Layer Conformance Test	--
15	ETD-51(13266)	Road Vehicles — Vehicle to Grid Communication Interface Part 4: Network and Application Protocol Conformance Test	--
16	ETD-51(13265)	Road Vehicles — Vehicle to Grid Communication Interface Part 3: Physical and Data Link Layer Requirements	--
17	ETD-51(13263)	Road Vehicles — Vehicle to Grid Communication Interface Part 2: Network and Application Protocol Requirements	--
18	ETD-51(13257)	Road Vehicles — Vehicle to Grid Communication Interface Part 1: General Information and use-case Definition	--

19	ETD 15 (13288)	Rotating electrical machines – Part 27-4: Measurement of insulation resistance and polarization index of winding insulation of rotating electrical machines	IEC TC- (P); ISO TC-43 SC-1 (O)
20	ETD 15 (13287)	Rotating electrical machines - Part 14: Mechanical vibration of certain machines with shaft heights 56 mm and higher - Measurement, evaluation and limits of vibration severity	IEC TC- (P); ISO TC-43 SC-1 (O)

For more information on latest draft available for comment please visit:

http://164.100.105.198:8096/bis_access/wcdraft.asp?dept=ETD

Automotive

Automotive work at BIS

The following Draft Indian Standards were issued by Transport Engineering Division Council (TED) at BIS during the last quarter for eliciting technical comment:

Transport Engineering Division Council (TED)			
S. No.	Document No.	Title of Document	ISO/IEC
1	TED 22 (12922) W	SPECIFICATION FOR PNEUMATIC COUPLING BETWEEN T TRACTORS AND TRAILERS	ISO TC- 40 SC- 40 (O); ISO TC- (P); ISO TC- 1 SC- 1 (P); ISO TC- 2 SC- 2 (P) ; ISO TC- 3 SC- 3 (P);
2	TED 22 (12921) W	TESTING AND ACCEPTANCE CRITERIA OF PNEUMATIC COUPLING BETWEEN TRACTORS AND TRAILERS	ISO TC- 40 SC- 40 (O); ISO TC- (P); ISO TC- 1 SC- 1 (P); ISO TC- 2 SC- 2 (P) ; ISO TC- 3 SC- 3 (P);
3	TED 6(13504)W	Draft Amendment No. 1 January 2019 to IS 7906(Part 5) : 2004 Helical Compression Springs –Part 5 Hot Coiled Springs Made From Circular Section Bars (Second Revision)	ISO TC- 22 (P); ISO TC- 11 SC- 11 (P); ISO TC- 15 SC- 15 (O); ISO TC- 40 SC- 40 (O); ISO TC- 227 (P)

4	TED 6(12114) W	DRAFT AMENDMENT NO. 3 TO IS 14272: 2011 - AUTOMOTIVE VEHICLES — TYPES — TERMINOLOGY	ISO TC- 22 (P); ISO TC- 11 SC- 11 (P); ISO TC- 15 SC- 15 (O); ISO TC- 40 SC- 40 (O); ISO TC- 227 (P)
5	TED 28 (12783) W2	Intelligent Transportation System (ITS): Reverse Parking Assist System (RPAS) [ICS 35.240.60; 43.040.15]	ISO TC- 204 (P); ISO TC-241 (P);
6	TED 02 (12062) W	Specification for crank and chain wheel for mopeds (First Revision of IS 10323)	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);
7	TED 02 (12060) W	Specification for adjusters for control cables for mopeds (First Revision of IS 11139)	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);
8	TED 02 (12058) W	Specification for pedal assembly for mopeds (First Revision of IS 10652)	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);
9	TED 02 (12056) W	Specification for Hub Axle, Rear, for mopeds (First Revision of IS 10653)	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);
10	TED 2 (12054) W	Specification for Hub Axle, Front, for mopeds (First Revision of IS 10651)	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);

For more information on latest draft available for comment please visit
http://164.100.105.198:8096/bis_access/wcdraft.asp?dept=TED

Automotive work at Automotive Research Association of India (ARAI)

Following are the list of standards published by ARAI in last Quarter:

Automotive Research Association of India (ARAI)		
S. No.	Code	Title of the Doc
1	AIS-012 (Part 1) (Rev.2) / D2 Oct 2018	Performance Requirements for Front Fog Lamps for Motor Vehicles
2	AIS-012 (Part 3) (Rev.2) / D2 Oct 2018	Performance Requirements for Cornering Lamps for Motor Vehicles
3	AIS-012 (Part 5) (Rev.2) / D2 Oct 2018	Performance Requirements for Direction Indicators for Motor Vehicles
4	AIS-012 (Part 6) (Rev.2) / D2 Oct 2018	Performance Requirements for Front and Rear Position (Side) Lamps, Stop-Lamps and End-outline Marker Lamps for Motor Vehicles
5	AIS-012 (Part 7) (Rev.2) / D2 Oct 2018	Performance Requirements for Reversing Lamps & Manoeuvring Lamps for Motor Vehicles
6	AIS-012 (Part 10) (Rev.2) / D2 Oct 2018	Performance Requirements for Daytime Running Lamps for Motor Vehicles
7	Draft AIS-017(Part 6)/D3	Procedure for Establishing Whole Vehicle Safety Conformity of Production (WVSCOP) for L, M & N category of vehicles
8	Draft AIS-091(Part 3)/D8	Interchangeability dimensions for ensuring safe coupling between N3 category Haulage Tractors and T3 & T4 category Semi-Trailers }
9	Draft Amd 2 to AIS-140	Intelligent Transportation Systems (ITS) - Requirements for Public Transport Vehicle Operation
10	Draft Amd 3 to AIS-099	Approval of Vehicles with regards to the Protection of the Occupants in the event of a Lateral Collision
11	Draft Amd 2 to AIS-145	Additional Safety features for Category M & N Vehicles
12	Revised Draft Amd. 10 to AIS-063	Requirements for School Buses
13	Draft AIS-137 (Part 7)/D1/Dec 2018	Test Method, Testing Equipment and Related Procedures for Type Approval and Conformity of Production (Cop) testing of Agricultural Tractors, Construction Equipment Vehicles (CEVs) & Combine Harvester for Emission Norms as per CMV Rules 115 and 126
14	Draft AIS-017(Part 6) / D4/Dec 2018	Procedure for Establishing Whole Vehicle Safety Conformity of Production (WVSCOP) for L, M & N category of vehicles

For complete list of draft standards please [here \(https://www.araiindia.com/downloads\)](https://www.araiindia.com/downloads)

ICT

ICT Standards at BIS

The following Draft Indian Standards were issued by Electronics and Information Technology Division Council (LITDC) at BIS during the last quarter for eliciting technical comments:

Electronics and Information Technology Division Council (LITDC)			
S. No.	Document No.	Title of the Doc	IEC/ISO
1	LITD 27(13076)	Information technology – Underwater acoustic sensor network (UWASN) – Part 1: Overview and requirements	ISO/IEC/JTC1 TC- 41 SC- 41 (P); IEC TC- 124 (P); IEC TC- 124 (P)
2	LITD 27(13077)	Information Technology – Internet of Things (IOT) – IOT Use Cases	ISO/IEC/JTC1 TC- 41 SC- 41 (P); IEC TC- 124 (P); IEC TC- 124 (P)
3	LITD 09 (13107)	Radio Disturbance Characteristics for Protection of Receivers used on Board Vehicles, Boats and Internal Combustion Engines — Limits and Methods of Measurement (Second Revision)	IEC TC- 77 (P) ;IEC TC-CISPR (O) ;IEC TC- 77A SC- 77A (P);ISO TC- 77B SC- 77B (P) ;ISO TC- 77B SC- 77B (P)
4	LITD 09 (13106)	Radio Interference Characteristics of Overhead Power Lines and High-Voltage Equipment Part 3 Code of Practice for Minimizing the Generation of Radio Noise (Second Revision)	IEC TC- 77 (P) ;IEC TC-CISPR (O) ;IEC TC- 77A SC- 77A (P);ISO TC- 77B SC- 77B (P) ;ISO TC- 77B SC- 77B (P)
5	LITD 09 (13105)	Radio Disturbance and Immunity Measuring Apparatus and Methods — Specification Part 1 Radio Disturbance and Immunity Measuring Apparatus Section 1 Measuring apparatus (Third Revision)	IEC TC- 77 (P) ;IEC TC-CISPR (O) ;IEC TC- 77A SC- 77A (P);ISO TC- 77B SC- 77B (P) ;ISO TC- 77B SC- 77B (P)
6	LITD 09 (13104)	Limits and Methods of Measurement of Radio Disturbance Characteristics Part 5 Electrical Lighting and Similar Equipment (Third Revision)	IEC TC- 77 (P) ;IEC TC-CISPR (O) ;IEC TC- 77A SC- 77A (P);ISO TC- 77B SC- 77B (P) ;ISO TC- 77B SC- 77B (P)

7	LITD 09 (13103)	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) ;ISO TC- 77B SC- 77B (P)
8	LITD 09 (13102)	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 (Fourth Revision)	IEC TC- 77 (P) ;IEC TC-CISPR (O) ;IEC TC- 77A SC- 77A (P);ISO TC- 77B SC- 77B (P) ;ISO TC- 77B SC- 77B (P)
9	LITD 09 (13101)	Limits and Methods of Measurement of Radio Disturbance Characteristics Part 4 Industrial, Scientific and Medical Radio-Frequency Equipment (Second Revision)	IEC TC- 77 (P) ;IEC TC-CISPR (O) ;IEC TC- 77A SC- 77A (P);ISO TC- 77B SC- 77B (P) ;ISO TC- 77B SC- 77B (P)
10	LITD 12(13157)	Electrotechnical Vocabulary – Part 713: Radio communications: transmitters, receivers, networks and operation	IEC TC- 103 (O); IEC TC- 103 (O)
11	LITD 17 (12163)	Data Privacy Assurance : Part 2 Engineering and Management Guidelines	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P):
12	LITD 17 (12162)	Data Privacy Assurance : Part 1 Engineering and Management Requirements	ISO/IEC/JTC1 TC- 27 SC- 27 (P); ISO/IEC/JTC1 TC- 37 SC- 37 (P):
13	LITD 19 (12309) ISO/IEC 19778-3:2015	Information technology – Learning, education and training – collaborative technology – collaborative workplace – Part 3 : collaborative group data model	ISO/IEC/JTC1 TC- 36 SC- 36 (P),
14	LITD 19 (12308) ISO/IEC 19778-2:2015	Information technology – Learning, education and training – collaborative technology – collaborative workplace – Part 2 : collaborative environment data model	ISO/IEC/JTC1 TC- 36 SC- 36 (P),
15	LITD 19 (12307) ISO/IEC 19778-1:2015	Information technology – Learning, education and training – collaborative technology – collaborative workplace – Part 1 : collaborative workplace data model	ISO/IEC/JTC1 TC- 36 SC- 36 (P),
16	LITD 19 (12306) ISO/IEC 12785-2:201	Information technology – Learning, education and training – content packaging – Part 2 : XML binding	ISO/IEC/JTC1 TC- 36 SC- 36 (P),

17	LITD 19 (12302) ISO/IEC 12785-1:2009	Information technology – Learning, education and training – content packaging – Part 1 : Information model	ISO/IEC/JTC1 TC- 36 SC- 36 (P),
18	LITD 16(11635) ISO/IEC23912:2005	Information technology — 80 mm (1,46 Gbytes per side) and 120 mm (4,70 Gbytes per side) DVD Recordable Disk (DVD-R)	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)
19	LITD 16(11634) ISO/IEC20563:2001	Information technology — 80 mm(1,23 Gbytes per side) and 120 mm (3,95 Gbytes per side) DVD-recordable disk(DVD-R)	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)
20	LITD 16 (11633) ISO/IEC17592:2004	Information technology — 120 mm(4,7 Gbytes per side) and 80 mm (1,46 Gbytes per side) DVD re-writable disk (DVD-RAM)	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)
21	LITD 16 (11632) ISO/IEC17342:2004	Information technology — 80 mm(1,46 Gbytes per side) and 120 mm (4,70 Gbytes per side) DVD re-recordable disk (DVD-RW)	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)
22	LITD 16(11631) ISO/IEC16963:2015	Information technology — Digitally recorded media for information interchange and storage — Test method for the estimation of lifetime of optical disks for long-term data storage	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)

23	LITD 16(11630) ISO/IEC16824:1999	Information technology — 120 mm DVD rewritable disk (DVD-RAM)	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)
24	LITD 16(11628) ISO/IEC12862:2011	Information technology — 120 mm(8,54 Gbytes per side) and 80 mm (2,66 Gbytes per side) DVD recordabledisk for dual layer (DVD-R for DL)	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)
25	LITD 16(11627) ISO/IEC 13170:2009	Information technology — 120 mm(8,54 Gbytes per side)and 80 mm (2,66 Gbytes per side) DVD re-recordabledisk for dual layer (DVD-RW for DL)	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)

For more information on latest draft available for comment please visit:

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ICT work at TSDSI

Activities at TSDSI			
"List of New Item for Proposal at TSDSI"			
New Item Proposal	Name	Version	Status
NIP 216	Development of Cyber security standard	TSDSI-SGSS-NIP216-V1.0.0-20181203	Reserved
NIP 214	Study of FiCaD and FiDaR	TSDSI-SGN-NIP214-V1.0.0-20181130	Reserved
NIP 212	NB-IoT Extensions	TSDSI-SGN-NIP212-V1.0.0-20181120	Reserved
NIP 211	Broadcast Offloading	TSDSI-SGN-NIP211-V1.0.0-20181112	Reserved
For complete details of the NIP please click here			
"List of Work Item status update"			
Work Item	Name	Version	Status
No Work Items introduced since last quarter			

[For complete details of the Work Items \(WI\) please click here and select Work Items](#)

“Status update of Study Items at TSDSI”

Study Item	Name	Version	Status
SI63	SI on Broadcast Offloading	TSDSI-SG1-SI63-V1.0.0-20181206	Approved

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

“List of SWIP Status Update”

SWIP	Name	Version	Status
SWIP585	Approved Version of the PPDR Questionnaire	TSDSI-SGSS-SWIP585-V1.0.0-20181128	Accepted
SWIP571	SWIP on Information Centric Networking	TSDSI-SGSS-SWIP571-V1.1.0-20181204	Reserved
SWIP573	Default values of scheduled bandwidth for mapping UL PTRS with transform precoding	TSDSI-SGN-SWIP573-V1.1.0-20181203	Reserved
SWIP574	Change Request for TS 38.214 and TS 38.331 to include fast SRS precoding	TSDSI-SGN-SWIP574-V1.1.0-20181130	Reserved
SWIP588	A contribution to Cloud report for SGSS TP – DEC	TSDSI-SGSS-SWIP588-V1.0.0-20181130	Accepted
SWIP589	TSDSI-SGSS-DCPW-Report	TSDSI-SGSS-SWIP589-V1.0.0-20181204	Accepted
SWIP590	Views and Proposals for TSDSI RIT/SRIT submission	TSDSI-SGN-SWIP590-V1.0.0-20181204	Reserved
SWIP591	Technical Consistency of solution proposals for SRIT/RIT	TSDSI-SGN-SWIP591-V1.0.0-20181206	Accepted
SWIP592	Summary of Email discussion on IMT-2020 VVV on SWIP 578 from September 2018	TSDSI-SGN-SWIP592-V1.0.0-20181206	Accepted
SWIP593	Cover Letter for IMT-2020/VVV	TSDSI-SGN-SWIP593-V1.0.0-20181206	Accepted
SWIP594	Broadcast and Unicast offloading using DTT spectrum for 2G/3G/4G/5G and public Wi-Fi Networks	TSDSI-SGN-SWIP594-V1.0.0-20181206	Accepted
SWIP594	Broadcast Offload	TSDSI-SGN-SWIP594-V1.1.0-20181217	Accepted

[For complete details of the SWIP please click here and select SWIP](#)