

Annexure 1

Draft Standards by BIS ARAI and TSDSI for period of Jan – Mar'2018

Quarterly Report No.08

Smart City

Standard at BIS

Department	Description	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 are under formulation at BIS, and were issued for eliciting technical comments:

Department	Description	Document No	Title of the Doc	IEC/ISO
ETD	Electrotechnical Division Council	ETD 06 (12325)	SOLID CORE PORCELAIN INSULATORS FOR OVERHEAD TRACTION LINES – SPECIFICATION (Second Revision)	IEC TC 36
ETD	Electrotechnical Division Council	ETD 02 (12367)	Recommended test methods for determining the relative resistance of insulating materials to breakdown by surface discharges (First revision of IS 11221 : 1984)	IEC 112
ETD	Electrotechnical Division Council	ETD 02 (12370)	Resin Based Reactive Compounds Used for Electrical Insulation – Part 3: Specifications for individual materials – Sheet 5: Unsaturated polyester based impregnating resins (First revision of IS 13465 (Part 3/See 6) :2006)	IEC 112
ETD	Electrotechnical Division Council	ETD 02 (12369)	Flexible insulating sleeving – Part 1: Definitions and general requirements (First revision of IS 11654 (Part 1) : 1986)	IEC 112

ETD	Electrotechnical Division Council	ETD 02 (12368)	Test procedure for thermal endurance of insulating resins and varnishes for impregnation purposes – electric breakdown methods (First revision of IS 11256 (Part 1) : 1985)	IEC 112
ETD	Electrotechnical Division Council	ETD 02 (12380)	Electric strength of insulating materials – Test methods – Part 1: Tests at power frequencies (First revision of IS 2584 : 1963)	IEC 112
ETD	Electrotechnical Division Council	ETD 02 (12381)	Flexible insulating sleeving – Part 2: Methods of test (First revision of IS 11654 (Part 2) : 1986)	IEC 112
ETD	Electrotechnical Division Council	ETD 44 (12384)	Safety of machinery – Electrical equipment of machines – Part 11: Requirements for HV equipment for voltages above 1 000 V or 1 500 V d.c. and not exceeding 36 kV	IEC 44
ETD	Electrotechnical Division Council	ETD 44 (12387)	Safety of machinery – Electrical equipment of machines – Part 34: Requirements for machine tools	IEC 44
ETD	Electrotechnical Division Council	ETD 44 (12386)	Safety of machinery – Electrical equipment of machines – Part 33: Requirements for semiconductor fabrication equipment	IEC 44
ETD	Electrotechnical Division Council	ETD 44 (12385)	Safety of machinery – Electrical equipment of machines – Part 31: Particular safety and EMC requirements for sewing machines, units and systems	IEC 44
ETD	Electrotechnical Division Council	ETD 44 (12365)	Safety of machinery – Electrical equipment of machines – Part 1: General requirements (first revision)	IEC 44
ETD	Electrotechnical Division Council	ETD 09 (12445)	Elastomer Insulated Flexible Cables for use in Mines - Specification (First Revision)	IEC 20
ETD	Electrotechnical Division Council	ETD28(12487)W	DRAFT AMENDMENT NO. 1 TO IS 16476 (Part 1) LED BASED SOLAR LANTERN PART 1 SPECIFICATION	IEC TC-82 (P); IEC TC-82 (P)
ETD	Electrotechnical Division Council	ETD 25 (12506)	Amendment No. 2 To IS 15785 : 2007 Installation And Maintenance Of Lift Without Conventional Machine Room – Code Of Practice	ISO TC-178 (P); ISO TC-178 (P)

ETD	Electrotechnical Division Council	ETD 31 (12457)	Adjustable Speed Electrical Power Drive Systems – Part 6: Guide for determination of types of load duty and corresponding current ratings	IEC TC- (P);IEC TC- 22E SC- 22E (O) ;IEC TC- 22G SC- 22G (O);IEC TC- 22G SC- 22G (O):
ETD	Electrotechnical Division Council	ETD 31 (12456)	Adjustable Speed Electrical Power Drive Systems Part 1 General requirements – Rating specifications for low voltage adjustable speed d.c. power drive systems	IEC TC- (P);IEC TC- 22E SC- 22E (O) ;IEC TC- 22G SC- 22G (O);IEC TC- 22G SC- 22G (O):
ETD	Electrotechnical Division Council	ETD 18 (12460)	Industrial-process control valves : Part 2-1 Flow capacity – Sizing equations for fluid flow under installed conditions (second revision)	IEC TC- (P);IEC TC- 65 A SC- 65 A (P);IEC TC- 65 B SC- 65 B (P) ;IEC TC- (O)
ETD	Electrotechnical Division Council	ETD18(12461)	Industrial-process control valves :Part 2-3 Flow capacity -Test Procedures(first revision)	IEC TC- (P);IEC TC- 65 A SC- 65 A (P);IEC TC- 65 B SC- 65 B (P) ;IEC TC- (O)
ETD	Electrotechnical Division Council	ETD18(12465)	Functional safety of electrical/electronic/programmable electronic safety-related systems -Part 1 General requirements (first revision)	IEC TC- (P);IEC TC- 65 A SC- 65 A (P);IEC TC- 65 B SC- 65 B (P) ;IEC TC- (O)
ETD	Electrotechnical Division Council	ETD18(12469)	Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 4: Definitions and abbreviations (first revision)	IEC TC- (P);IEC TC- 65 A SC- 65 A (P);IEC TC- 65 B SC- 65 B (P) ;IEC TC- (O)
ETD	Electrotechnical Division Council	ETD18(12475)	Functional safety – Safety instrumented systems for the process industry sector – Part 3: Guidance for the determination of the required safety integrity levels (first revision)	IEC TC- (P);IEC TC- 65 A SC- 65 A (P);IEC TC- 65 B SC- 65 B (P) ;IEC TC- (O)
ETD	Electrotechnical Division Council	ETD18(12474)	Functional safety – Safety instrumented systems for the process industry sector – Part 2: Guidelines for the application of IEC 61511-1: 2016 (first revision)	IEC TC- (P);IEC TC- 65 A SC- 65 A (P);IEC TC- 65 B SC- 65 B (P) ;IEC TC- (O)

ETD	Electrotechnical Division Council	ETD 18 (12468)	Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 3: Software Requirements (first revision)	IEC TC- (P);IEC TC- 65 A SC- 65 A (P);IEC TC- 65 B SC- 65 B (P) ;IEC TC- (O)
ETD	Electrotechnical Division Council	ETD18(12466)	Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 2: Requirements for electrical/electronic/programmable electronic safety related systems (first revision)	IEC TC- (P);IEC TC- 65 A SC- 65 A (P);IEC TC- 65 B SC- 65 B (P) ;IEC TC- (O)
ETD	Electrotechnical Division Council	ETD18(12472)	Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 7: Overview of techniques and measures (first revision)	IEC TC- (P);IEC TC- 65 A SC- 65 A (P);IEC TC- 65 B SC- 65 B (P) ;IEC TC- (O)
ETD	Electrotechnical Division Council	ETD 18 (12471)	Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 6: Guidelines on the application of IEC 61508-2 and IEC 61508-3 (first revision)	IEC TC- (P);IEC TC- 65 A SC- 65 A (P);IEC TC- 65 B SC- 65 B (P) ;IEC TC- (O)
ETD	Electrotechnical Division Council	ETD 18 (12470)	Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 5: Examples of methods for the determination of safety integrity levels (first revision)	IEC TC- (P);IEC TC- 65 A SC- 65 A (P);IEC TC- 65 B SC- 65 B (P) ;IEC TC- (O)
ETD	Electrotechnical Division Council	ETD18(12469)W	Functional safety of electrical/electronic/programmable electronic safety-related systems – Part 4: Definitions and abbreviations (first revision)	IEC TC- (P);IEC TC- 65 A SC- 65 A (P);IEC TC- 65 B SC- 65 B (P) ;IEC TC- (O)
ETD	Electrotechnical Division Council	ETD 18(12473)	Functional safety – Safety instrumented systems for the process industry sector – Part 1: Framework, definitions, system, hardware and application programming requirements (first revision)	IEC TC- (P);IEC TC- 65 A SC- 65 A (P);IEC TC- 65 B SC- 65 B (P) ;IEC TC- (O)

ETD	Electrotechnical Division Council	ETD 07 (12486)	Dimensions of low-voltage switchgear and controlgear – Standardized mounting on rails for mechanical support of switchgear, controlgear and accessories ⦿ (First Revision)	IEC TC-121 SC-121A (P); IEC TC-121 SC-121B (P); IEC TC-23 SC-23E (P); IEC TC-23 SC-23E (P)
ETD	Electrotechnical Division Council	ETD 07 (12489)	Low-voltage switchgear and controlgear assemblies – Part 3: Distribution boards intended to be operated by ordinary persons (DBO)	IEC TC-121 SC-121A (P); IEC TC-121 SC-121B (P); IEC TC-23 SC-23E (P); IEC TC-23 SC-23E (P)
ETD	Electrotechnical Division Council	ETD 07 (12491)	Low-voltage switchgear and controlgear assemblies – Part 5: Assemblies for power distribution in public networks	IEC TC-121 SC-121A (P); IEC TC-121 SC-121B (P); IEC TC-23 SC-23E (P); IEC TC-23 SC-23E (P)
ETD	Electrotechnical Division Council	ETD 07 (12490)	Low-voltage switchgear and controlgear assemblies – Part 4 Particular requirements for assemblies for construction sites (ACS)	IEC TC-121 SC-121A (P); IEC TC-121 SC-121B (P); IEC TC-23 SC-23E (P); IEC TC-23 SC-23E (P)
ETD	Electrotechnical Division Council	ETD 07 (12493) W	In-cable control and protection device for mode 2 charging of electric road vehicles	IEC TC-121 SC-121A (P); IEC TC-121 SC-121B (P); IEC TC-23 SC-23E (P); IEC TC-23 SC-23E (P)
ETD	Electrotechnical Division Council	ETD 25 (12501)	Electric Traction Lifts : Part 6 Safety Norms For Existing Lifts	ISO TC-178 (P); ISO TC-178 (P)
ETD	Electrotechnical Division Council	ETD 07 (12495)	General requirements for arc fault detection devices	IEC TC-121 SC-121A (P); IEC TC-121 SC-121B (P); IEC TC-23 SC-23E (P); IEC TC-23 SC-23E (P)
ETD	Electrotechnical Division Council	ETD 25 (12502)	Amendment No. 3 Electric Traction Lifts : Part 4 Components Section 7 Lift Machines and Brakes And Amendment No. 3 Electric Traction Lifts : Part 4 Components Section 9 Controller and Operating Devices for Lifts	ISO TC-178 (P); ISO TC-178 (P)

ETD	Electrotechnical Division Council	ETD 25 (12509)	Lifts (elevators), escalators and moving walks — Programmable electronic systems in safety-related applications : Part 1 Lifts (elevators) (PESSRAL)	ISO TC-178 (P);ISO TC-178 (P)
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For more information on latest draft available for comment please visit <http://www.bis.org.in/sf/wcdraft.asp>

Automotive

Automotive work at BIS

The following draft Indian Standards are under formulation at BIS, and were issued for eliciting technical comments:

Department	Description	Document No	Title of the Doc	IEC/ISO
TED	Transport Engineering	TED 24 (12321) W	Pallets for materials handling — Vocabulary (Adoption of ISO 445:2013)	ISO TC 104/-1,2,4 & TC122/-3,4-TC 104/1,2,4 & TC122/3,4
TED	Transport Engineering	TED 14 (12319) W	Space systems — Programme management — Project organization (Adoption of ISO 11893 : 2011)	ISO TC 20/-1,4,6,8,9,10,13,14 TC31/-8-TC 20/1,4,6,8,9,10,13,14 TC31/8
TED	Transport Engineering	TED 14 (12317) W	Air cargo and ground equipment — Vocabulary (Adoption of ISO 10254: 2016)	ISO TC 20/-1,4,6,8,9,10,13,14 TC31/-8-TC 20/1,4,6,8,9,10,13,14 TC31/8
TED	Transport Engineering	TED 14 (12318) W	Aerospace series — Terminology for clamping devices (Adoption of ISO 16682:2015)	ISO TC 20/-1,4,6,8,9,10,13,14 TC31/-8-TC 20/1,4,6,8,9,10,13,14 TC31/8
TED	Transport Engineering	TED 24 (12377)	Child-resistant packaging — Requirements and testing procedures for reclosable packages (First Revision) (Adoption of ISO 8317 : 2015)	ISO TC 104/-1,2,4 & TC122/-3,4-TC 104/1,2,4 & TC122/3,4
TED	Transport Engineering	TED 27 (12444)	Electricity propelled mopeds and motorcycles — Test specification and safety requirements for lithium-ion battery systems (Identical adoption of ISO 18243:2017)	ISO 22

TED	Transport Engineering	TED 27 (12441)	Electricity propelled road vehicles — Test specification for lithium-ion traction battery packs and systems — Part 1: High-power applications (Identical adoption of ISO 12405-1:2011)	ISO 22
TED	Transport Engineering	TED 27 (12443)	Electricity propelled road vehicles — Test specification for lithium-ion traction battery packs and systems — Part 3: Safety performance requirements (Identical adoption of ISO 12405-3:2014)	ISO 22
TED	Transport Engineering	TED 27 (12442)	Electricity propelled road vehicles — Test specification for lithium-ion traction battery packs and systems — Part 2: High-energy applications (Identical adoption of ISO 12405-2:2012)	ISO 22
TED	Transport Engineering	TED 7(10743)W	AUTOMOTIVE VEHICLES — PNEUMATIC TYRES FOR TWO AND THREE -WHEELED MOTOR VEHICLES AND QUADRICYCLES - SPECIFICATION (First Revision of IS 15627)	ISO TC- 22 (P) ;ISO TC- 19 SC- 19 (O);ISO TC- 31 (P);ISO TC- 3 SC- 3 (P);ISO TC- 34 SC- 34 (P);ISO TC- 5 SC- 5 (O);ISO TC- 6 SC- 6 (O);ISO TC- 7 SC- 7 (O);ISO TC- 9 SC- 9 (P);ISO TC- 10 SC- 10 (P);ISO TC- 10 SC- 10 (P)
TED	Transport Engineering	TED 4(12464)	Draft Amendment No. 2 March 2018 to IS 7079: 2008 Automotive Vehicles – Brake Hose Assemblies For Hydraulic Braking Systems Used With Non-Petroleum Base Brake Fluid – Specification (Third Revision)	ISO TC- 2 SC- 2 (O);ISO TC- 9 SC- 9 (O);ISO TC- 13 SC- 13 (O);ISO TC- 22 SC- 22 (P);ISO TC- 23 SC- 23 (O);ISO TC- 33 SC- 33 (O);ISO TC- 38 SC- 38 (P);ISO TC- 39 SC- 39 (O) ;ISO TC- 22 (P);ISO TC- 22 (P)

TED	Transport Engineering	TED 4(12467)	IS 12222:2011 AUTOMOTIVE VEHICLES – TURNING CIRCLE AND MANEUVERABILITY REQUIREMENTS (First Revision)	ISO TC- 2 SC- 2 (O);ISO TC- 9 SC- 9 (O);ISO TC- 13 SC- 13 (O);ISO TC- 22 SC- 22 (P);ISO TC- 23 SC- 23 (O);ISO TC- 33 SC- 33 (O);ISO TC- 38 SC- 38 (P);ISO TC- 39 SC- 39 (O) ;ISO TC- 22 (P);ISO TC- 22 (P)
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Automotive work at Automotive Research Association of India (ARAI)

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

Category Name	Code	Title
Automotive	Draft AIS-010 (Part 1) (Rev. 2) /D0 /January 2018 (Date of hosting on website: 11th January 2018)	Provisions concerning the Approval of Headlamps emitting an Asymmetrical Passing Beam or a Driving Beam or both and equipped with Filament Lamps and/or LED Modules (Last date for comments: 10th February 2018)
Automotive	Draft AIS-010 (Part 5) (Rev. 2) /D2 /January 2018 (Date of hosting on website: 11th January 2018)	Requirements of Chromaticity Co-ordinates of Colour of Light emitted from Lighting and Light-Signalling Devices (Last date for comments: 10th February 2018)
Automotive	Draft AIS-148/D1/Jan 2018 (Date of hosting on website: 15th January 2018)	Automotive Vehicles - Requirements of Footrests for Two-wheeled Motor Vehicles (Last date for comments: 15th February 2018)
Automotive	Draft Amd. 5 to AIS-007 (Rev. 5) (Date of hosting on website: February 5 2018)	Information on Technical Specifications to be submitted by the Vehicle Manufacturer (Last date for comments: February 15, 2018)

For complete list of draft standards please click [here](#)

ICT

ICT work at TSDSI

List of New Item for Proposal at TSDSI

"List of New Item for Proposal at TSDSI"			
New Item Proposal	Name	Version	Status
NIP202	Study on spectrum requirements and impacts of IoT services on cellular network	TSDSI-SG1-NIP202-V1.0.0-20180315	Accepted

NIP201	Defining standards for dual sim devices (Smartphones) including DSDS, DSDA and DSDV implementations.	TSDSI-SG1-NIP201-V1.0.0-20180315	Accepted
NIP200	Study and develop architecture for Information Centric Networking (ICN)	TSDSI-SG2-NIP200-V1.0.0-20180306	Accepted
NIP199	A unified Broadband PPDR Communication System for India	TSDSI-SG2-NIP185-V1.0.1-20180129	Accepted
NIP197	WI proposal for Cloud Service Specification	TSDSI-SG2-NIP197-V1.0.0-20180129	Accepted
NIP196	LS to transpose 3GPP specs on security by DOT	TSDSI-SG2-NIP196-V1.0.0-20180117	Accepted
NIP187	PCG Approval of contributions to the ITU	TSDSI-SG1-NIP 187-V1.0.0-20180112	Approved
NIP186	Discussions on the 60Ghz for 4G/5G backhaul on the 60Ghz for 4G/5G backhaul	TSDSI-SG1-1-[NIP 186]-V1.0.0-20180111	Approved as SI
NIP185	A unified Broadband PPDR Communication System for India	TSDSI-SG2-NIP185-V1.0.0-20180111	Accepted
NIP184	Development of Standards for Interoperability and Portability of Cloud Services	TSDSI-SG2-NIP184-V1.0.0-20180110	Accepted
NIP183	LS on Standards for Cloud Computing Interoperability	TSDSI-SG2-NIP183-V1.0.0-20180104	Accepted

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

“Status update of Study Items at TSDSI”

“Status update of Study Items at TSDSI”			
Study Item	Name	Version	Status
SI59	SI for study of channel characteristics for 60 Ghz for 4G/5G backhaul	TSDSI-SG1-SI59-V1.0.0-20180314	SG/WG approved
SI58	Study item for NIP 199	TSDSI-SG2-SI58-V1.0.0-20180221	Initiated
SI57	Study Item for NIP 196	TSDSI-SG2-SI57-V1.0.0-20180220	Initiated

For complete details of Study items please [click here](#) for more details

“List of Work Item status update”

No new Work Items (WI) introduced since last quarter. For complete details of the Work Items (WI) please [click here](#) and select Work Items

“List of SWIP Status Update”

“List of SWIP Status Update”			
SWIP	Name	Version	Status
SWIP562	List of proposed changes to be introduced to 38.211 to enable pi/2 BPSK with data precoding for 5G NR phase-1 for both FR1 (sub 6GHz) and FR2 (mmwave) bands	TSDSI-SI41-SWIP562-V1.0.0-20180316	Accepted
SWIP561	Skeleton for the TR for study	TSDSI-SI58-SWIP 561-V1.0.0-20180315	Accepted
SWIP560	SWIP on the Study of Architecture, network topology and link budget for 60 GHz for Backhaul	TSDSI-SI59-SWIP560-V1.0.0-20180314	Accepted
SWIP559	Proposed TR skeleton for Broadband PPDR study item	TSDSI-SI58-SWIP559-V1.0.0-20180314	Accepted

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

ICT Standards at BIS

The following draft Indian Standards are under formulation at BIS, and were issued for eliciting technical comments:

Department	Description	Document No	Title of the Doc	IEC/ISO
LTD	Electronics and Information Technology	LITD 06 (12339)	LOW-FREQUENCY CABLES AND WIRES WITH PVC INSULATION AND PVC SHEATH Part 4 Cables in pairs, triples, quads and quintuples for inside installations (Second Revision) ICS 29.060.10;29.060.20	IEC SC 46A-
LTD	Electronics and Information Technology	LITD 11(12344)	COAXIAL COMMUNICATION CABLES Part 1 Mechanical test methods Section 308 Test for tensile strength and elongation for copper-clad metals (First Revision) ICS 33.120.10	IEC 86

LTD	Electronics and Information Technology	LITD 06 (12343)	RADIO FREQUENCY AND COAXIAL CABLE ASSEMBLIES Part 2 Sectional specification for flexible coaxial cable assemblies Section 1 General(First Revision) ICS 33.120.10	IEC SC 46A-
LTD	Electronics and Information Technology	LITD 06 (12342)	GUIDE FOR DESIGNING DETAIL SPECIFICATIONS OF RADIO-FREQUENCY COAXIAL CABLES (First Revision) ICS 33.120.10	IEC SC 46A-
LTD	Electronics and Information Technology	LITD 06 (12340)	CALCULATION OF D.C. RESISTANCE OF PLAIN AND COATED COPPER CONDUCTORS OF LOW-FREQUENCY CABLES AND WIRES – APPLICATION GUIDE (First Revision) ICS 29.060.01	IEC SC 46A-
LTD	Electronics and Information Technology	LITD 06 (12338)	LOW-FREQUENCY CABLES AND WIRES WITH PVC INSULATION AND PVC SHEATH Part 2 Equipment wires with solid or stranded conductor wires, PVC insulated, in singles, pairs and triples (First Revision) ICS 29.060.10; 29.060.20	IEC SC 46A-
LTD	Electronics and Information Technology	LITD 06 (12337)	LOW-FREQUENCY CABLES AND WIRES WITH PVC INSULATION AND PVC SHEATH Part 1 General test and measuring methods (Second Revision) ICS 29.060.10; 29.060.20	IEC SC 46A-
LTD	Electronics and Information Technology	LITD 06 (12341)	MULTICORE AND SYMMETRICAL PAIR/QUAD CABLES FOR DIGITAL COMMUNICATIONS Part 1: Generic specification (First Revision) ICS 33.120.20	IEC SC 46A-
LTD	Electronics and Information Technology	LITD 07 (12428)	Electrotechnical Vocabulary Part 806 Recording and reproduction of audio and video [Superseding IS 1885 (Part 48/Sec 1 & 2): 1978] ICS 01.040.29; 29.020	IEC TC-100 (P);IEC TC- 108 SC- (P);IEC TC- 29 SC- (P);IEC TC- 1 SC- 1 (O);IEC TC- 1 SC- 1 (O)

LTD	Electronics and Information Technology	LTD 07(12438)	Audio, video, and related equipment – Determination of power consumption Part 1 General ICS 33.160.10	IEC TC-100 (P); IEC TC-108 SC- (P); IEC TC-29 SC- (P); IEC TC-1 SC-1 (O); IEC TC-1 SC-1 (O)
LTD	Electronics and Information Technology	LTD 07 (12425)	Electrotechnical Vocabulary Part 723 Broadcasting: Sound, television, data [Superseding IS 1885 (Part 22) and IS 1885 (Part 24)] ICS 01.040.33; 33.060.20; 33.160.01	IEC TC-100 (P); IEC TC-108 SC- (P); IEC TC-29 SC- (P); IEC TC-1 SC-1 (O); IEC TC-1 SC-1 (O)
LTD	Electronics and Information Technology	LTD 07 (12427)	Electrotechnical Vocabulary Part 801 Acoustics and electroacoustics [Superseding IS 1885 (Part 3/Sec 1 to 8)] ICS 01.040.17; 17.140.50	IEC TC-100 (P); IEC TC-108 SC- (P); IEC TC-29 SC- (P); IEC TC-1 SC-1 (O); IEC TC-1 SC-1 (O)
LTD	Electronics and Information Technology	LTD 07(12431)	Methods of measurement on receivers for television broadcast transmissions Part 1 General considerations – Measurements at radio and video frequencies [Superseding IS 4545 ICS 33.160.020	IEC TC-100 (P); IEC TC-108 SC- (P); IEC TC-29 SC- (P); IEC TC-1 SC-1 (O); IEC TC-1 SC-1 (O)
LTD	Electronics and Information Technology	LTD 07(12432)	Methods of measurement on receivers for television broadcast transmissions Part 2 Audio channels – General methods and methods for monophonic channels [Superseding IS 4545 (Part 9)] ICS 33.160.020	IEC TC-100 (P); IEC TC-108 SC- (P); IEC TC-29 SC- (P); IEC TC-1 SC-1 (O); IEC TC-1 SC-1 (O)
LTD	Electronics and Information Technology	LTD 07(12436)	Sound system equipment Part 10 Peak programme level meters [Superseding IS 9302 (Part 9/Sec 1): 1980, IS 9302 (Part 9/Sec 2): 1980, and IS 9302 (Part 9/Sec 3): 1981] ICS 33.160.40	IEC TC-100 (P); IEC TC-108 SC- (P); IEC TC-29 SC- (P); IEC TC-1 SC-1 (O); IEC TC-1 SC-1 (O)
LTD	Electronics and Information Technology	LTD 07(12440)	Audio, video, and related equipment – Determination of power consumption Part 3: Television sets ICS 33.160.10	IEC TC-100 (P); IEC TC-108 SC-

				(P);IEC TC- 29 SC- (P);IEC TC- 1 SC- 1 (O);IEC TC- 1 SC- 1 (O)
LTD	Electronics and Information Technology	LITD 07(12434)	Analogue audio disk records and reproducing equipment [Superseding IS 6391: 1983, IS 9272 (Part 1): 1979, IS 9272 (Part 2) : 1979, and IS 9729: 1981] ICS 33.160.30	IEC TC- 100 (P);IEC TC- 108 SC- (P);IEC TC- 29 SC- (P);IEC TC- 1 SC- 1 (O);IEC TC- 1 SC- 1 (O)
LTD	Electronics and Information Technology	LITD 07(12429)	Electroacoustics – Specifications for personal sound exposure meters (First Revision of IS 10423: 1982) ICS 13.140; 17.140.50	IEC TC- 100 (P);IEC TC- 108 SC- (P);IEC TC- 29 SC- (P);IEC TC- 1 SC- 1 (O);IEC TC- 1 SC- 1 (O)