

Annexure-1: Standards by BIS, ARAI, RDSO, TSDSI and TEC

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:

Electrical & Electronics at Bureau of Indian Standards (BIS)				
Electrotechnical (ETD)				
Sl No	Document No	Title of the Doc	IEC/ISO	Last Date for Comments
1	ETD 3(20475)	Insulating liquids - Determination of the breakdown voltage at power frequency - Test method	IEC TC-10 (P)	07-10-2022
2	ETD 3(20476)	Method of sampling insulating liquids	IEC TC-10 (P)	07-10-2022
3	ETD 3(20478)	Mineral oil-filled electrical equipment in service - Guidance on the interpretation of dissolved and free gases analysis	IEC TC-10 (P)	07-10-2022
4	ETD 3(20479)	Insulating liquids - Test methods for oxidation stability - Test method for evaluating the oxidation stability of insulating liquids in the delivered state	IEC TC-10 (P)	07-10-2022
5	ETD 3(20480)	Mineral oil-filled electrical equipment - Application of dissolved gas analysis DGA to factory tests on electrical equipment	IEC TC-10 (P)	07-10-2022
6	ETD 3(20481)	Specifications for the re-use of sulphur hexafluoride SF6 and its mixtures in electrical equipment	IEC TC-10 (P)	07-10-2022
7	ETD 3(20483)	Natural esters - Guidelines for maintenance and use in electrical equipment	IEC TC-10 (P)	07-10-2022
8	ETD 10(20513)	Primary Batteries Part 5 Safety of Batteries with Aqueous Electrolyte	IEC TC- 35 (P)	14-10-2022
9	ETD 10(20528)	Safety of Primary and Secondary Lithium Cells and Batteries during Transport	IEC TC- 35 (P)	14-10-2022
10	ETD 10(20529)	Primary batteries: Part 4 safety of lithium batteries Third Revision	IEC TC- 35 (P)	14-10-2022
11	ETD 25(20490)	Lifts for the Transport of Persons and Goods: Part 3 Specifications for Planning and Selection Section 1 Passenger Service Hospital Bed Stretcher Lifts	ISO TC- 178 (P)	08-10-2022
12	ETD 28(20605)	Terrestrial Photovoltaic PV Modules Design Qualification and Type Approval Part 1: Test Requirements Third Revision	IEC TC-82 (P)	23-10-2022
13	ETD 28(20606)	Terrestrial photovoltaic PV modules Design qualification and type approval Part 1-1: Special requirements for testing of crystalline silicon photovoltaic PV modules Third Revision	IEC TC-82 (P)	23-10-2022
14	ETD 28(20607)	Terrestrial photovoltaic PV modules Design qualification and type approval Part 1-2: Special requirements for testing of thin-film Cadmium Telluride CdTe based photovoltaic PV modules Third Revision	IEC TC-82 (P)	23-10-2022

Annexure-1: Standards by BIS, ARAI, RDSO, TSDSI and TEC

15	ETD 28(20608)	Terrestrial photovoltaic PV modules Design qualification and type approval Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic PV modules Third Revision	IEC TC-82 (P)	23-10-2022
16	ETD 28(20609)	Terrestrial photovoltaic PV modules Design qualification and type approval Part 1-4: Special requirements for testing of thin-film CuInGASSe2 based photovoltaic PV modules Third Revision	IEC TC-82 (P)	23-10-2022
17	ETD 28(20610)	Terrestrial Photovoltaic PV Modules Design Qualification and Type Approval Part 2: Test Procedures Third Revision	IEC TC-82 (P)	23-10-2022
18	ETD 42(20383)	Wind Energy Generation Systems Part 21-1: Measurement and Assessment of Electrical Characteristics Wind Turbines	IEC TC- 88 (P)	25-10-2022
19	ETD 42(20384)	Wind Energy Generation Systems Part 26-1: Availability for Wind Energy Generation Systems	IEC TC- 88 (P)	25-10-2022
20	ETD 20(20303)	Thunderstorm warning systems Protection against lightning	IEC TC- 18 (O); IEC TC- 64 (P); IEC TC- 73 (O); IEC TC- 81 (O); IEC TC- 18A SC- 18A (O)	21-09-2022
21	ETD 20(20304)	Lightning density based on lightning location systems General principles	IEC TC- 18 (O); IEC TC- 64 (P); IEC TC- 73 (O); IEC TC- 81 (O); IEC TC- 18A SC- 18A (O)	21-09-2022
22	ETD 20(20305)	Safety procedures for reduction of risk outside a structure	IEC TC- 18 (O); IEC TC- 64 (P); IEC TC- 73 (O); IEC TC- 81 (O); IEC TC- 18A SC- 18A (O)	21-09-2022
23	ETD 48(19990)	UHV AC Transmission Systems Part 102 General System Design	IEC TC-122 SC- (P)	27-08-2022
24	ETD 48(19991)	UHV AC Transmission Systems Part 202 UHV AC Transmission Line Design	IEC TC-122 SC- (P)	27-08-2022
25	ETD 48(19992)	UHV AC Transmission Systems Part 302 Commissioning	IEC TC-122 SC- (P)	27-08-2022
26	ETD 48(19993)	UHV AC Transmission Systems Part 303 Guideline for the Measurement of UHV AC Transmission Line Power Frequency Parameters	IEC TC-122 SC- (P)	28-08-2022
27	ETD 51(17180)	Electric vehicle battery swap system – part 4 light electric vehicles – section 3 communication protocol	IEC TC-69 (P)	22-09-2022

Annexure-1: Standards by BIS, ARAI, RDSO, TSDSI and TEC

28	ETD 51(19366)	Electric vehicle battery swap system part 4 light electric vehicles section 1 guidelines and pack dimensions	IEC TC-69 (P)	22-09-2022
29	ETD 51(19367)	Electric vehicle battery swap system part 4 light electric vehicles section 2 connection systems	IEC TC-69 (P)	22-09-2022
30	ETD 51(20356)	Electric vehicle battery swap system part 3 central management system	IEC TC-69 (P)	22-09-2022
https://www.services.bis.gov.in/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
1	LITD 7(20180)	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)	29-09-2022
2	LITD 7(20499)	Universal serial bus interfaces for data and power part 1-2: common components USB power delivery specification	ISO TC-43 SC-1 (O); IEC TC-29 (P); IEC TC-108 (P); IEC TC-100 (P)	08-11-2022
3	LITD 7(20500)	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)	11-11-2022
4	LITD 36(20538)	Electrotechnical vocabulary: part 59 educational or training equipment and systems first revision	ISO/IEC/JTC1 TC- SC-23 (P); ISO/IEC/JTC1 TC- SC-28 (P); ISO/IEC/JTC1 TC- SC-35 (P)	19-11-2022
5	LITD 17(20436)	Information security cybersecurity and privacy protection Information security management systems Requirements	ISO/IEC TC-JTC 1 SC-27 (P)	04-11-2022
6	LITD 1(20102)	Fire hazard testing Part 2: Glowing hot-wire based test methods Section 10: Glow-wire apparatus and common test procedure	IEC TC- 89 SC- (O); IEC TC-104 (P)	16-09-2022
7	LITD 1(20103)	Fire Hazard Testing Part 2: Glowing hot-wire based test methods Section 11: Glow-wire flammability test method for end products GWEPT	IEC TC- 89 SC- (O); IEC TC-104 (P)	16-09-2022

Annexure-1: Standards by BIS, ARAI, RDSO, TSDSI and TEC

8	LITD 1(20104)	Fire Hazard Testing Part 2: Glowing hot-wire based test methods Section 12: Glow-wire flammability index GWFI Test method for materials	IEC TC- 89 SC- (O); IEC TC-104 (P)	16-09-2022
9	LITD 3(19804)	Mechanical structures for electronic equipment Part 3 Dimensions of mechanical structures of the 482 6 mm 19 in series Section 105: Dimensions and design aspects for 1U high chassis	IEC TC- 48B SC- 48B (O); IEC TC- 48D SC- 48D (O); IEC TC-48 (O)	12-09-2022
10	LITD 14(18453)	Systems and software engineering Life cycle processes Risk management	ISO/IEC TC-JTC 1 SC-7 (P); ISO/IEC TC-JTC 1 SC-40 (P)	23-09-2022
11	LITD 14(19278)	Information technology Remote Operations: Concepts model and notation	ISO/IEC TC-JTC 1 SC-7 (P); ISO/IEC TC-JTC 1 SC-40 (P)	23-09-2022
12	LITD 14(19319)	Information technology - Remote Operations: OSI realizations - Remote Operations Service Element ROSE Service definition	ISO/IEC TC-JTC 1 SC-7 (P); ISO/IEC TC-JTC 1 SC-40 (P)	23-09-2022
13	LITD 14(19320)	Information technology - Remote Operations: OSI realizations - Remote Operations Service Element ROSE protocol specification	ISO/IEC TC-JTC 1 SC-7 (P); ISO/IEC TC-JTC 1 SC-40 (P)	23-09-2022
14	LITD 14(19321)	Information technology Measurement and rating of performance of computer-based software systems	ISO/IEC TC-JTC 1 SC-7 (P); ISO/IEC TC-JTC 1 SC-40 (P)	23-09-2022
15	LITD 14(19322)	Software and systems engineering Software testing Part 1: General concepts	ISO/IEC TC-JTC 1 SC-7 (P); ISO/IEC TC-JTC 1 SC-40 (P)	23-09-2022
16	LITD 14(19323)	Software and systems engineering Software testing Part 2: Test processes	ISO/IEC TC-JTC 1 SC-7 (P); ISO/IEC TC-JTC 1 SC-40 (P)	02-10-2022
17	LITD 14(19324)	Software and systems engineering Software testing Part 3: Test documentation	ISO/IEC TC-JTC 1 SC-7 (P); ISO/IEC TC-JTC 1 SC-40 (P)	02-10-2022
18	LITD 14(19325)	Software and systems engineering Software testing Part 4: Test techniques	ISO/IEC TC-JTC 1 SC-7 (P); ISO/IEC TC-JTC 1 SC-40 (P)	23-09-2022
https://www.services.bis.gov.in/php/BIS_2.0/dgdashboard/draft/darftdetail/66/3/LITD				

Annexure-1: Standards by BIS, ARAI, RDSO, TSDSI and TEC

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:

At Bureau of Indian Standards (BIS)				
Services				
S. No.	Document No	Title of the Doc	IEC/ISO	Last date for Comments
1	SSD-II 6(19914)	Requirements for structural design and proof checking consultancy services for structures	—	17-09-2022
https://www.services.bis.gov.in/php/BIS_2.0/dgdashboard/draft/darftdetail/108/3/SSD-II				
https://www.services.bis.gov.in:8071/php/BIS_2.0/dgdashboard/draft/darftdetail/107/3/SSD-I				

Mobility/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
1	TED 4(17272)	Guideline Specifications for Replacement Brake Lining Assemblies and Drum Brake Linings for Power-Driven Vehicles and Their Trailers Amendment - 2	ISO TC- 22 SC- 22 (P); ISO TC- 22 (P); ISO TC-22 SC-2 (O); ISO TC-22 SC-9 (O); ISO TC-22 SC-13 (O); ISO TC-22 SC-33 (O); ISO TC-22 SC-38 (P); ISO TC-22 SC-39 (O)	28-09-2022

Annexure-1: Standards by BIS, ARAI, RDSO, TSDSI and TEC

2	TED 11(15885)	Headlight Switches for Automobiles - Specification	ISO TC-22 (P); ISO TC-22 SC-31 (P); ISO TC-22 SC-32 (P); ISO TC-22 SC-35 (P)	23-10-2022
3	TED 14(19835)	Specification for Aircraft Fuel Nozzle Grounding Plugs and Sockets	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)	19-11-2022
4	TED 14(19890)	Specification for aircraft sealing wire	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)	19-11-2022
5	TED 14(19950)	Directions of Operation of Toggle Switches on Aircraft	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)	19-11-2022

Annexure-1: Standards by BIS, ARAI, RDSO, TSDSI and TEC

6	TED 14(19955)	Dimensions for aircraft pressure refuelling connection	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)	19-11-2022
7	TED 14(20470)	Aerospace Nuts hexagonal plain normal height normal across flats with MJ threads classifications: 600 MPa at ambient temperature120 degrees C 600 MPa at ambient temperature235 degrees C 900 MPa at ambient temperature425 degrees C 1 100 MPa at ambient temperature235 degrees C 1 100 MPa at ambient temperature315 degrees C 1 100 MPa at ambient temperature650 degrees C 1 210 MPa at ambient temperature730 degrees C 1 250 MPa at ambient temperature235 degrees C and 1 550 MPa at ambient temperature600 degrees C	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)	19-11-2022
8	TED 14(20489)	Aerospace Nuts hexagonal self-locking with MJ threads classifications: 1 100 MPa at ambient temperature235 C 1 100 MPa at ambient temperature315 C and 1 100 MPa at ambient temperature 425 C Dimensions	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)	19-11-2022
9	TED 16(18837)	BMX bicycles - safety requirements and test methods	ISO TC-31 SC-10 (P); ISO TC-149 (P); ISO TC-149 SC-1 (P)	24-10-2022
10	TED 19(16834)	Horizontal Centrifugal Pumps for Marine Use - Specification	ISO TC- 8 (P); ISO TC-8 SC-1 (P); ISO TC-8 SC-4 (O); ISO TC-8 SC-6 (O)	24-10-2022
11	TED 22(18937)	Glossary of terms relating to safety aspects concerning operating areas of industrial trucks	ISO TC- (P); ISO TC- (P); ISO TC-22 SC-40 (O); ISO TC-22 SC-1 (P); ISO TC-22 SC-2 (P); ISO TC-22 SC-3 (P)	19-11-2022

Annexure-1: Standards by BIS, ARAI, RDSO, TSDSI and TEC

12	TED 22(18938)	Specification for towing hook for use between trailers of up to 16 tonnes gross mass and transport tractor	ISO TC- (P); ISO TC- (P); ISO TC-22 SC-40 (O); ISO TC-22 SC-1 (P); ISO TC-22 SC-2 (P); ISO TC-22 SC-3 (P)	19-11-2022
13	TED 22(18939)	Specification for towing hook for use between trailers of up to 35 tonnes gross mass and transport tractor	ISO TC- (P); ISO TC- (P); ISO TC-22 SC-40 (O); ISO TC-22 SC-1 (P); ISO TC-22 SC-2 (P); ISO TC-22 SC-3 (P)	19-11-2022
14	TED 22(18940)	Dimensions for coupling arrangements between towing vehicle and trailer	ISO TC- (P); ISO TC- (P); ISO TC-22 SC-40 (O); ISO TC-22 SC-1 (P); ISO TC-22 SC-2 (P); ISO TC-22 SC-3 (P)	19-11-2022
15	TED 22(19022)	Performance testing of powered industrial trucks working in hazardous areas: Part 2 electric battery powered industrial trucks	ISO TC- (P); ISO TC- (P); ISO TC-22 SC-40 (O); ISO TC-22 SC-1 (P); ISO TC-22 SC-2 (P); ISO TC-22 SC-3 (P)	19-11-2022
16	TED 22(19030)	General requirements of powered industrial trucks working in hazardous areas: Part 1 internal combustion engine powered trucks	ISO TC- (P); ISO TC- (P); ISO TC-22 SC-40 (O); ISO TC-22 SC-1 (P); ISO TC-22 SC-2 (P); ISO TC-22 SC-3 (P)	19-11-2022
17	TED 22(19037)	Specification for electrical connector for tractor - Trailer jumper cable	ISO TC- (P); ISO TC- (P); ISO TC-22 SC-40 (O); ISO TC-22 SC-1 (P); ISO TC-22 SC-2 (P); ISO TC-22 SC-3 (P)	19-11-2022
18	TED 22(19041)	Glossary of terms relating to fork arms and attachments of forklift trucks	ISO TC- (P); ISO TC- (P); ISO TC-22 SC-40 (O); ISO TC-22 SC-1 (P); ISO TC-22 SC-2 (P); ISO TC-22 SC-3 (P)	19-11-2022

Annexure-1: Standards by BIS, ARAI, RDSO, TSDSI and TEC

19	TED 22(19073)	Specification for drawbar eyes and fore carriage pins for connection between trailers of gross mass above 5 tonnes and up to 35 tonnes and transport tractor	ISO TC- (P); ISO TC- (P); ISO TC-22 SC-40 (O); ISO TC-22 SC-1 (P); ISO TC-22 SC-2 (P); ISO TC-22 SC-3 (P)	19-11-2022
20	TED 22(19074)	Specification for towing jaw for use between trailers of up to 16 tonnes gross mass and transport tractor	ISO TC- (P); ISO TC- (P); ISO TC-22 SC-40 (O); ISO TC-22 SC-1 (P); ISO TC-22 SC-2 (P); ISO TC-22 SC-3 (P)	19-11-2022
21	TED 22(19075)	Specification for towing jaw for use between trailers of up to 35 tonnes gross mass and transport tractor	ISO TC- (P); ISO TC- (P); ISO TC-22 SC-40 (O); ISO TC-22 SC-1 (P); ISO TC-22 SC-2 (P); ISO TC-22 SC-3 (P)	19-11-2022
22	TED 22(19076)	Specification for towing jaw for use between trailers of up to 5 tonnes gross mass and transport tractor	ISO TC- (P); ISO TC- (P); ISO TC-22 SC-40 (O); ISO TC-22 SC-1 (P); ISO TC-22 SC-2 (P); ISO TC-22 SC-3 (P)	19-11-2022
23	TED 22(19077)	Specification for towing hook for use between trailers of up to 5 tonnes gross mass and transport tractor	ISO TC- (P); ISO TC- (P); ISO TC-22 SC-40 (O); ISO TC-22 SC-1 (P); ISO TC-22 SC-2 (P); ISO TC-22 SC-3 (P)	19-11-2022
24	TED 22(19078)	Specification for drawbars for trailers of up to 5 tonnes gross mass	ISO TC- (P); ISO TC- (P); ISO TC-22 SC-40 (O); ISO TC-22 SC-1 (P); ISO TC-22 SC-2 (P); ISO TC-22 SC-3 (P)	19-11-2022
25	TED 22(20205)	Road vehicles mechanical couplings between tractors and semi-trailers Part 2: interchangeability between low-coupling tractors and high-volume semi-trailers	ISO TC- (P); ISO TC- (P); ISO TC-22 SC-40 (O); ISO TC-22 SC-1 (P); ISO TC-22 SC-2 (P); ISO TC-22 SC-3 (P)	01-10-2022

Annexure-1: Standards by BIS, ARAI, RDSO, TSDSI and TEC

26	TED 22(20354)	Industrial trucks safety requirements and verification part 1: self -propelled industrial trucks other than driverless trucks variable -reach trucks and burden-carrier trucks	ISO TC- (P); ISO TC- (P); ISO TC-22 SC-40 (O); ISO TC-22 SC-1 (P); ISO TC-22 SC-2 (P); ISO TC-22 SC-3 (P)	22-10-2022
27	TED 22(12921)	Testing and Acceptance Criteria of Pneumatic Coupling between Tractors and Trailers	ISO TC- (P); ISO TC- (P); ISO TC-22 SC-40 (O); ISO TC-22 SC-1 (P); ISO TC-22 SC-2 (P); ISO TC-22 SC-3 (P)	22-09-2022
28	TED 22(15462)	Automotive Vehicles - Mechanical Coupling Components of Combinations of Vehicles other than Agricultural Tractors - Requirements	ISO TC- (P); ISO TC- (P); ISO TC-22 SC-40 (O); ISO TC-22 SC-1 (P); ISO TC-22 SC-2 (P); ISO TC-22 SC-3 (P)	01-09-2022
29	TED 22(19380)	INDUSTRIAL TRUCKS VERIFICATION OF STABILITY PART 16: PEDESTRIAN-PROPELLED TRUCKS	ISO TC- (P); ISO TC- (P); ISO TC-22 SC-40 (O); ISO TC-22 SC-1 (P); ISO TC-22 SC-2 (P); ISO TC-22 SC-3 (P)	16-09-2022
30	TED 27(18122)	Electric Rickshaw E-Kart Construction and Functional Safety Requirements Specification	ISO TC-22 (P); ISO TC-22 SC-37 (O); IEC TC-69 (O)	20-09-2022
31	TED 29(20324)	Automotive vehicles - Safety belt and restraint systems - Specification (First Revision) Amendment - 2	ISO TC- 22 (P); ISO TC-22 SC-36 (P); ISO TC-22 SC-12 (P); ISO TC-22 SC-10 (O)	23-09-2022
32	TED 29(19145)	Automotive vehicles - Locking systems and door retention components - General requirements (First Revision) Amendment - 2	ISO TC- 22 (P); ISO TC-22 SC-36 (P); ISO TC-22 SC-12 (P); ISO TC-22 SC-10 (O)	16-10-2022
33	TED 6(14013)	Field of Vision of Motor Vehicle Drivers for M 1 Category	ISO TC- 22 (P); ISO TC- 11 SC- 11 (P); ISO TC- 15 SC- 15 (O); ISO TC- 35 SC- 35 (P); ISO TC- 40 SC- 40 (O); ISO TC- 227 (P)	16-09-2022

Annexure-1: Standards by BIS, ARAI, RDSO, TSDSI and TEC

34	TED 6(19956)	Safety glass - Specification: Part 2 for road transport (First Revision) Amendment - 4	ISO TC- 22 (P); ISO TC- 11 SC- 11 (P); ISO TC- 15 SC- 15 (O); ISO TC- 35 SC- 35 (P); ISO TC- 40 SC- 40 (O); ISO TC- 227 (P)	16-09-2022
35	TED 26(19855)	Road vehicles liquefied natural gas LNG fuel system components Part 4: Manual valve	ISO TC- 22 (P); ISO TC- 41 SC- 41 (P)	16-09-2022
36	TED 26(19856)	Road vehicles liquefied natural gas LNG fuel system components Part 5: Tank pressure gauge	ISO TC- 22 (P); ISO TC- 41 SC- 41 (P)	16-09-2022
37	TED 26(19857)	Road vehicles liquefied natural gas LNG fuel system components Part 7: Pressure relief valve (PRV)	ISO TC- 22 (P); ISO TC- 41 SC- 41 (P)	16-09-2022
38	TED 26(19858)	Road vehicles liquefied natural gas LNG fuel system components Part 8: Excess flow valve	ISO TC- 22 (P); ISO TC- 41 SC- 41 (P)	16-09-2022
39	TED 26(19859)	Road vehicles liquefied natural gas LNG fuel system components Part 9: Gas-tight housing and ventilation hose	ISO TC- 22 (P); ISO TC- 41 SC- 41 (P)	16-09-2022
40	TED 26(19860)	Road vehicles liquefied natural gas LNG fuel system components Part 10: Rigid fuel line in stainless steel	ISO TC- 22 (P); ISO TC- 41 SC- 41 (P)	16-09-2022
41	TED 26(19861)	Road vehicles liquefied natural gas LNG fuel system components Part 11: fittings	ISO TC- 22 (P); ISO TC- 41 SC- 41 (P)	16-09-2022
42	TED 26(19862)	Road vehicles liquefied natural gas LNG fuel system components Part 12: rigid fuel line in copper and its alloys	ISO TC- 22 (P); ISO TC- 41 SC- 41 (P)	16-09-2022
43	TED 26(19863)	Road vehicles liquefied natural gas LNG fuel system components Part 13: tank pressure control regulator	ISO TC- 22 (P); ISO TC- 41 SC- 41 (P)	16-09-2022
44	TED 26(19864)	Road vehicles liquefied natural gas LNG fuel system components Part 14: differential pressure fuel content gauge	ISO TC- 22 (P); ISO TC- 41 SC- 41 (P)	16-09-2022
45	TED 26(19865)	Road vehicles liquefied natural gas LNG fuel system components Part 15: capacitance fuel content gauge	ISO TC- 22 (P); ISO TC- 41 SC- 41 (P)	16-09-2022
46	TED 26(19866)	Road vehicles liquefied natural gas LNG fuel system components Part 16: heat exchanger-vaporizer	ISO TC- 22 (P); ISO TC- 41 SC- 41 (P)	16-09-2022
47	TED 26(19867)	Road vehicles liquefied natural gas LNG fuel system components Part 17: natural gas detector	ISO TC- 22 (P); ISO TC- 41 SC- 41 (P)	16-09-2022
48	TED 26(19868)	Road vehicles liquefied natural gas LNG fuel system components Part 18: gas temperature sensor	ISO TC- 22 (P); ISO TC- 41 SC- 41 (P)	16-09-2022
49	TED 26(19869)	Road vehicles liquefied natural gas LNG fuel system components Part 19: automatic valve	ISO TC- 22 (P); ISO TC- 41 SC- 41 (P)	16-09-2022
50	TED 26(19851)	Road vehicles liquefied natural gas LNG fuel system components Part 1: general requirements and definitions	ISO TC- 22 (P); ISO TC- 41 SC- 41 (P)	01-10-2022

Annexure-1: Standards by BIS, ARAI, RDSO, TSDSI and TEC

51	TED 26(19853)	Road vehicles liquefied natural gas LNG fuel system components Part 2: performance and general test methods	ISO TC- 22 (P); ISO TC- 41 SC- 41 (P)	01-10-2022
52	TED 26(19854)	Road vehicles liquefied natural gas LNG fuel system components Part 3: check valve	ISO TC- 22 (P); ISO TC- 41 SC- 41 (P)	01-10-2022

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:

Mobility at Automotive Research Association of India (ARAI)			
S. No.	Code	Title	Last Date for Comments
1	Draft Amendment No. 6 to AIS-145	Additional Safety features for Category M & N Vehicles	05-10-2022
2	Draft AIS 189/ D2	Approval of vehicles with regards to Cyber Security and Cyber Security management system	—
3	Draft AIS-178/D2	Provisions for Adapted Vehicles of categories L1, L2, L5M and E-rickshaw	25-08-2022
4	Draft AIS-180/D3	Specific Requirements for Motor Vehicles intended for the carriage of Dangerous and Hazardous Goods with regard to their Constructional Features	09-09-2022

<https://www.araiindia.com/downloads>

At Research Designs & Standards Organization (RDSO)

The following Draft Indian Specifications/Drawings were issued by Research Designs & Standards Organization (RDSO) during the last quarter for eliciting technical comment:

Specifications/Drawings: RDSO			
S. No.	Specification/STR No.	Description	Last Date of Receipt of Comments
1	RDSO/.....Rev'0'	Draft Functional Requirement Specification (FRS) (soft copy enclosed) for Energy Optimizer for Electric Locomotives (EOEL)	07-10-2022
2	RDSO/2022/EL/STR/00xx (Rev '0')	STR of Cylindrical roller bearing used on TM of 3 -phase Electric locomotive, Conventional electric locomotive and MSU of WAG9/WAP7	04-10-2022
3	Provisional Draft Standard No. IS/RDSO -TI/0002:2022	Indian Railway Standard for Power Quality Restorer (PQR) for 25kV and 2x25 kV Traction Substation in Indian Railways	20-10-2022
4	Provisional draft Standard No. IS/RDSO-TI/0001:2022	Indian Railway Standard for Overhead Line Inspection with Video Recording System for Current Collection Test	07-10-2022

Annexure-1: Standards by BIS, ARAI, RDSO, TSDSI and TEC

5	GENERAL GUIDELINES ON BATTERY SECTION	GENERAL GUIDELINES ON BATTERY SECTION	20-10-2022
6	IS/RDSO-M&C/2201: 2022	Specification for Pneumatic Tool Oil	01-10-2022
7	IS/RDSO-M&C/2202: 2022	Specification for Machine Tool Way Oils	01-10-2022
8	IS/RDSO-M&C/2203: 2022	Specification for high performance anti-corrosion epoxy paint (two pack)	01-01-2022
9	RDSO/SPN/211/2022 Ver. 1.0 (d10)	Final Draft Specification for Fail-safe Network Multiplexer (FNmux)	04-10-2022
10	RDSO/TM/16/22	Wear plates of BCM-715/713 (Part no.64.08.1623-H5, RM08.25.2150.02 & 64.08.10188)	14-10-2022
11	RDSO/TM/14/22	Round unit for tamping unit lifting/lowering cylinder of CSM, DUO,09-3X & Unimat (Part no. UD66.3273-I)	14-10-2022
12	RDSO/TM/10/22	Hydraulic distributor block of Unimat-4S (Part no. DL90.53)	14-10-2022
13	TM/SM/4 dated 24.04.1991 (Revision 02, August 2022)	RAIL CUTTING MACHINE (Saw type)	06-10-2022
14	TM/SM/TC dated 09.01.2014(Rev 02 of 2022)	Broad Functional Requirement for Self-Propelled Hydraulic Common Power Pack cum Transporting Cart	22-10-2022
15	RDSO/2008/EL/SPEC/0063(Rev 4 proposed)	Technical specification for Zr-Cu rotor bars for Traction motors type 6FRA6068 for WAG9/WAP7 locos.	26.08.2022
16	Final draft revised MP.STR.VL. 03.07.11 (Rev 02), August'2022	Schedule for Technical Requirement of Hot Coiled Helical Springs for Locomotives	24.08.2022
17	Specification no. MP-0.01.00.24, Rev-05, August 2022	Specification for Compact Modular Microprocessor Controlled Air Brake System with Advanced features For Diesel-Electric Locomotives.	24.08.2022
18	Specification no. MP-0.01.00.20, Rev-07, August 2022	Specification for Microprocessor Controlled Air Brake System for WDG4 / WDP4 Locomotives	24.08.2022
19	Draft revised Instruction Bulletin No. MP.IB.VL.05.33.08 (Rev 02), August' 2022	Instructions regarding material, tests and inspection of Rubber Spring Assembly used on HHP Diesel locomotive bogies	23.08.2022
20	Spec. No. MP.0.01.0 0.31, Rev.04, August 2022	Specification of Locomotive Brake Interface Unit (BIU) for KAVACH (The Indian Railway ATP) and Distributed Power	23.08.2022
21	Specification no. MP.0.01.00.15, Rev. 02, July 2022	Specification for Brake Valves (N-1 Reducing Valve, A-9 Auto Brake Valve, C-2W Relay Valve With 5mm / 6mm hoke, 24A-Double Check Valve & C3W Distributor Valve with Control Reservoirs) For Its Use in Brake System Fitted on Diesel and Electric Locomotives	29.07.2022

Annexure-1: Standards by BIS, ARAI, RDSO, TSDSI and TEC

22	Draft Specification no. RDSO-SPN-RE-MVIS-2018 (Rev.2)	Machine Vision Based Inspection System (MVIS) for Rolling Stock	26.08.2022
23	Draft "Indian Railway Standard Specification for Spheroidal Graphite Cast Irons"	Draft "Indian Railway Standard Specification for Spheroidal Graphite Cast Irons"	15.09.2022
24	Document no. TDG 0045 Ver. '0'	Item Specific guidelines & Schedule of Technical Requirements for manufacture and supply for Spring Steel Rounds	02.09.2022
25	RDSO/2013/EM/SPEC/0016 (Rev. 1) -2019	Technical Specification for Passenger elevator for Indian Railways	19.09.2020
26	RDSO/PE/SPEC/TL/0095 (Rev. 3) -2019	Technical Specification for Passenger escalators to be installed over Indian Railways	19.09.2020
27	RDSO/2017/EM/STR/0001 (Rev. 1) -2019	STR for Passenger elevator	19.09.2020
28	RDSO/2017/EM/STR/0002 (Rev. 1) -2019	STR for Passenger escalators	19.09.2020
29	TM/HM/RBMV/422 Rev.02 of 2022	The revised draft technical specification for RAIL BORNE MAINTENANCE VEHICLE (RBMV)	03.09.2020
30	TM/SM/420 (Second Revision, July 2022)	GPS Based Oscillation Monitoring System (GPS-OMS)	03.09.2020
https://rdso.indianrailways.gov.in/view_section.jsp?lang=0&id=0,4			

ICT at TSDSI

"List of New Item for Proposal at TSDSI"				
S. No.	New Item Proposal	Name	Version	Status
1	NIP 283	Use Cases and Deployment Options (5G and beyond) for BFS Vertical	TSDSI-SGSS-NIP283-V2.0.0-20220907	Accepted
2	NIP 296	Study on system requirements related to Metaverse use cases in mobile network	TSDSI-SGSS-NIP296-V1.0.0-20220905	Accepted
3	NIP 283	Use Cases and Deployment Options (5G and beyond) for BFS Vertical	TSDSI-SGSS-NIP283-V1.1.0-20220902	Accepted
4	NIP 288	Study of New waveforms for 6G communication systems	TSDSI-SGN-NIP288-V1.1.0-20220902	Accepted
5	NIP 281	NIP for futuristic architecture of 5G Backbone and Slicing	TSDSI-SGN-NIP281-V2.0.0-20220902	Accepted

Annexure-1: Standards by BIS, ARAI, RDSO, TSDSI and TEC

6	NIP 295	Study Item for defining qualitative metrics for 6G KPI definitions	TSDSI-SGN-NIP295-V1.0.0-20220901	Accepted
7	NIP 294	A Case Study for Sub-THz Channel Modelling	TSDSI-SGN-NIP294-V1.0.0-20220901	Accepted
8	NIP 293	Open APIs to use Smart-Ambulance Services.	TSDSI-SGSS-NIP293-V1.0.0-20220830	Accepted
9	NIP 292	Enablement of common edge connectivity for public utility purposes	TSDSI-SGSS-NIP291-V1.0.0-20220830	Accepted
10	NIP 290	New Architecture for 6G communication systems	TSDSI-SGN-NIP290-V1.0.0_20220829	Accepted

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

“List of Study Item status update”

S. No.	Study Item	Name	Version	Status
1	SI97	NIP 295 on Study Item for defining qualitative metrics for 6G KPI definitions	TSDSI-SGN-SI97-V1.0.0-20220901	Initiated
2	SI96	NIP 288 on Study of waveforms for B5G communication systems	TSDSI-SGN-SI96-V1.1.0-20220902	Initiated
3	SI95	NIP 281 (Revised) on Futuristic architecture of 5G Backbone and Slicing	TSDSI-SGN-SI95-V2.0.0-20220902	Initiated

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

“List of SWIP Status Update”

S. No.	SWIP	Name	Version	Status
1	SWIC805	Sharing and Coexistence studies between IMT and FSS APP30B allocation for India in 6425 – 7025/7 125MHz band	TSDSI-SGN-SWIC805-V1.0.0-20220830	Accepted
2	SWIC806	Functional Split and Fronthaul Interface in FBS Driven C-RAN for 5G and beyond	TSDSI-SGN-SWIC806-V1.0.0-20220901	Accepted
3	SWIC808	Table of Contents for NIP 282	TSDSI-SGSS-SWIC808-V1.0.0-20220902	Accepted
4	SWIC809	Rural Broadband Services & Architecture	TSDSI-SGSS-SWIC809-V1.0.0-20220907	Accepted

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

Annexure-1: Standards by BIS, ARAI, RDSO, TSDSI and TEC

ICT at TEC

S. No	Standard/ER No	Name of standard /ER	Standard type	Date of Issue
1	TEC 57030:2022	BANDPASS FILTER FOR C-BAND SATELLITE EARTH RECEIVERS IN 3700-4200 MHz WITH 30 MHz GUARD BAND	GR	04-08-2022
2	TEC 49189:2022	National Plan for Distribution of Indian Standard Time to Licensed Service Providers of Department of Telecommunications	GL	01-08-2022
3	TEC 74046:2022	Standard for Energy Consumption Rating and Energy Passport for Telecommunications Products, Equipment and Network/ Services	SD	01-08-2022
https://www.tec.gov.in/essential-requirements				
https://www.tec.gov.in/standards-specifications				