BUREAU OF INDIAN STANDARDS

<div style="background:teal">**Program of Work**</div>

LITD 13 : Interconnection and Information exchange among IT equipment and systems

Scope: Standardization in the field of: a) Computer communication networks and interfaces to these computer communication networks including microprocessor systems, interfaces, Protocols and associated interconnection media for IT equipment and networks. b) Home and building electronic systems in residential and commercial environments to support interworking devices (IoT-related) and applications such as energy management, environmental control, lighting, and security. c) Telecommunications dealing with information exchange between IT/ICT systems encompassing protocols and services of network layers. d) Information & Communication Technologies and Architectures

Liaison: **ISO/IEC/JTC1 TC- SC-6 (P):** *Telecommunications and information exchange between systems* **ISO/IEC/JTC1 TC- SC-25 (P):** *Interconnection of information technology equipment* **IEC TC-IEC SyC COMM (P):** *Communication Technologies and Architectures*

<div style="background:blue">**Published Standards**</div>

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10735 : 2017 ISO 2110 Reviewed In : 2023 ISO 2110	Information technology - Data communication - 15 - Pole DTE/DCE interface connector and contact number assignments (First Revision)	September, 2023	-	Identical under dual numbering
2	IS 10736 : 2016 ISO 4902 Reviewed In : 2023 ISO 4902	Information technology - Data communication - 37 - Pole DTE/DCE interface connector and contact number assignments (First Revision)	March, 2023	-	Identical under dual numbering
3	IS 10737 : 2017 ISO 4903 Reviewed In : 2023 ISO 4903	Information technology - Data communication - 15 - Pole DTE/DCE interface connector and contact number assignments (First Revision)	March, 2023	-	Identical under dual numbering
4	IS 11413 : 1986 ISO 1177 Reviewed In : 2023 ISO 1177	Character structure for start/stop and synchronous transmission for information processing	September, 2023	-	Identical under dual numbering
5	IS 11414 : 1986 ISO 1745 Reviewed In : 2023 ISO 1745	Basic mode control procedures for data communication systems	September, 2023	-	Identical under dual numbering
6	IS 11416 : 1986 ISO 2628 Reviewed In : 2023 ISO 2628	Basic mode control procedures - Complements	September, 2023	-	Identical under dual numbering
7	IS/ISO/IEC 11801-1	Information technology Generic		-	Identical under single

	: 2017 11801-1 : 2017 11801-1 : 2017	cabling for customer premises Part 1: General requirements				numbering
8	IS/ISO/IEC 11801-2 : 2017 11801-2 11801-2	Information technology Generic cabling for customer premises Part 2: Office premises			-	Identical under single numbering
9	IS/ISO/IEC 11801-3 : 2021 ISO/IEC 11801-3 : 2021 ISO/IEC 11801-3 : 2021	Information technology Generic cabling for customer premises Part 3: Industrial premises			-	Identical under single numbering
10	IS/ISO/IEC 11801-5 : 2017 ISO/IEC 11801-5 : 2017 ISO/IEC 11801-5 : 2017	Information technology Generic cabling for customer premises Part 5: Data centres			-	Identical under single numbering
11	IS 12285 : 2018 ISO/IEC 7480 : 1991 Reviewed In : 2023 ISO 7480: 1984[E]	Information technology - Telecommunications and information exchange between systems - Start - Stop transmission signal quality at DTE/DCE interfaces (First Revision)	September, 2023		-	Identical under dual numbering
12	IS/ISO/IEC 13252 : 1999 ISO/IEC 13252 : 1999 Reviewed In : 2023 ISO/IEC 13252 :1999	Information technology - Enhanced communications transport service definition	December, 2023		-	Identical under dual numbering
13	IS 13589 : 2018 ISO 8072: 1996 Reviewed In : 2023 ISO 8072 :1996	Information technology - Open systems interconnection - Transport service definition (First Revision)	September, 2023		-	Identical under dual numbering
14	IS 13611 : 1993 ISO 8473:1988 Reviewed In : 2023 ISO 8473:1988	Protocol for providing the connectionless - Mode network service in data communications for information processing systems	June, 2023		-	Identical under dual numbering
15	IS 13611 (Part 2) : 2017 ISO/IEC 8473-2 : 1996 Reviewed In : 2023 ISO/IEC 8473-2:1996	Information technolgy - Protocol for providing the connectionless - Mode network service: Part 2 provision of the underlying service by an ISO/IEC 8802 subnetwork	September, 2023		-	Identical under dual numbering
16	IS 13611 (Part 3) : 2017 ISO/IEC 8473-3 : 1995 Reviewed In : 2023 ISO/IEC 8473-3:1995	Information technology - Protocol for providing the connectionless Mode network service provision of the underlying service by an x.25 subnetwork	December, 2023		-	Identical under dual numbering
17	IS 13611 (Part 4) : 2017 ISO/IEC 8473-4 : 1995 Reviewed In : 2023	Information technology - Protocol for providing the connectionless Mode network service provision of the underlying service by a subnetwork that provides the OSI	December, 2023		-	Identical under dual numbering

	ISO/IEC 8473-4:1995	data link service			
18	IS 13611 (Part 5) : 2017 ISO/IEC 8473-5 : 1997 Reviewed In : 2023 ISO/IEC 8473-5:1997	Information technology - Protocol for providing the connectionlessMode network service: provision of the underlying service by ISDN circuit - Switched B - Channels	December, 2023	-	Identical under dual numbering
19	IS/ISO/IEC 13863 : 1998 ISO/IEC 13863 : 1998 Reviewed In : 2023 ISO/IEC 13863:1998	Information Technology - Telecommunications and Information Exchange Between Systems - Private Integrated Services Network - Specification, Functional Model and Information Flows - Path Replacement Additional Network Feature	December, 2023	-	Identical under single numbering
20	IS 13868 : 2018 ISO/IEC 8348 : 2002 Reviewed In : 2023 ISO/IEC 8348 : 2002	Information technology - Open systems interconnection - Network service definition (First Revision)	September, 2023	-	Identical under dual numbering
21	IS 13919 : 2018 ISO/ IEC 8073: 1997 Reviewed In : 2023 ISO/IEC 8073:1997	Information technology - Open systems interconnection - Protocol for providing the connection - Mode transport service (First Revision)	September, 2023	-	Identical under dual numbering
22	IS/ISO/IEC 14543-2-1) : 2006 ISO/IEC 14543-2-1:2006 ISO/IEC 14543-2-1:2006	Information Technology Part 2: Home Electronic Systems (HES) Architecture Section 1: Introduction and Device Modularity		-	Identical under single numbering
23	IS/ISO/IEC 14543-3-1) : 2006 ISO/IEC 14543-3-1:2006 ISO/IEC 14543-3-1:2006	Information Technology Part 3: Home Electronic Systems (HES) Architecture Section 1: Communication layers Application Layer for Network Based Control of HES Class 1		-	Identical under single numbering
24	IS/ISO/IEC 14543-3-2) : 2006 14543-3-2:2006 14543-3-2:2006	Information Technology Part 3: Home Electronic Systems (HES) Architecture Section 2: Communication Layers Transport, Network and General Parts of Data Link Layer for Network Based Control of HES Class 1		-	Identical under single numbering
25	IS/ISO/IEC 14543-3-3) : 2007 ISO/IEC 14543-3-3:2007 ISO/IEC 14543-3-3:2007	Information Technology Part 3: Home Electronic Systems (HES) Architecture Section 3: User Process for Network Based Control of HES Class 1		-	Identical under single numbering
26	IS 16333 (Part 1) : 2015 Reviewed In : 2021	Mobile Phone Handsets Part 1 Safety Requirements	February, 2021	-	Indigenous
27	IS 16333 (Part 3) : 2022	Mobile phone handsets: Part 3 indian language support for mobile phone handsets - Specific requirements(Second Revision)		-	Indigenous
28	IS 16628 : 2018	Information Technology - Open	September, 2023	-	Identical under dual

	ISO/IEC 11577 : 1995 Reviewed In : 2023 ISO/IEC 11577:1995	Systems Interconnection - Network Layer Security Protocol				numbering
29	IS 16744 (Part 1) : 2018 ISO/IEC 15045-1 : 2004 Reviewed In : 2024 ISO/IEC 15045-1:2004	Information technology - Home electronic system (Hes) gateway: Part 1 A residential gateway model for hes	September, 2024		-	Identical under dual numbering
30	IS 16744 (Part 2) : 2018 ISO/IEC 15045-2 : 2012 Reviewed In : 2024 ISO/IEC 15045-2:2012	Information technology - Home electronic system (HES) gateway: Part 2 modularity and protocol	September, 2024		-	Identical under dual numbering
31	IS 1885 (Part 58) : 2022 IEC 60050-701 IEC 60050-701	ELECTRO TECHNICAL VOCABULARY PART 58 TELECOMMUNICATION CHANNELS AND NETWORKS			-	Identical under dual numbering

Standards under Development

Projects Approved

SI. No.	Doc No.	Title
1	LITD 13 (27673)	Information technology Generic cabling for customer premises Part 4 Single-tenant homes
2	LITD 13 (27674)	Information technology Generic cabling for customer premises Part 6 Distributed building services
3	LITD 13 (27675)	Information technology Generic cabling for customer premises Part 9906 Balanced 1-pair cabling channels up to 600 MHz for single pair Ethernet SPE
4	LITD 13 (27676)	Information technology Generic cabling systems for customer premises Part 9907 Specifications for direct attach cabling
5	LITD 13 (27677)	Information technology Generic cabling systems for customer premises Part 9908 Guidance for the support of higher speed applications over optical fibre channels
6	LITD 13 (27678)	Information technology Generic cabling systems for customer premises Part 9909 Evaluation of balanced cabling in support of 25 Gbits for reach greater than 30 metres
7	LITD 13 (27679)	Information technology Generic cabling for customer premises Part 9910 Specifications for modular plug terminated link cabling

Preliminary Draft Standards

SI. No.	Doc No.	Title
		No Records Found

Drafts Standards in WC Stage

SI. No.	Doc No.	Title
		No Records Found

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
		No Records Found

Finalized Draft Indian Standard

SI. No.	Doc No.	Title
		No Records Found

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	LITD 13 (26506)	Mobile phone handsets Part 3 indian language support for mobile phone handsets - Specific requirements Second Revision Amendment - 1

Total Published Standards:25 Total Standards Under development:8

Aspect Wise Report

Product : 5
Code of Practices : 18
Methods of Test : 0
Terminology : 3
Dimensions : 0
System Standard : 0
Safety Standard : 0
Others : 5
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 11418 (Part 1) : 1986 ISO 3309: 1984[E] Reviewed In : 2016 ISO 3309: 1984[E]	High Level Data Link Control Procedures - Part I Frame Structure
2	IS 11418 (Part 2) : 1986 ISO 4335 :1984 Reviewed In : 2016 ISO 11418-2 : 2016	High Level Data Link Control Procedures - Part 2 Consolidation of Elements of Procedures
3	IS 11418 (Part 3) : 1986 ISO 7809 : 1984 Reviewed In : 2015 ISO 11418-3 : 2016	High Level Data Link Control Procedures - Part 4 Coonsolidation of Classes of Procedures
4	IS 1176 : 1977 Reviewed In : 1996	Dimensions For Aerial Rods And Slabs Made Of Ferrimagnetic Materials
5	IS 12032 (Part 9) : 1993 ISO 60617-9 :1983 Reviewed In : 2023 ISO 60617-9 :1983	Graphical symbols for diagrams in the field of electrotechnology Part 9 telecommunications switching and peripheral equipment
6	IS 1885 (Part 26) : 1968 Reviewed In : 2016	Electrotechnical vocabulary Part 26 telecommunication relays
7	IS 7431 (Part 1) : 1974	Tests for magnetic properties of ferrite aerial rods Part 1 For long and medium wave receptions
8	IS 7431 (Part 2) : 1976	Test for magnetic properties of ferrite aerial rods Part 2 For short wave reception
9	IS 7489 : 1974 Reviewed In : 1996	Dimensions of Cross Cores X-Cores Made of Ferromagnetic Oxides and Associated Parts
10	IS 7717 : 1974 Reviewed In : 1996	General requirements and tests for magnetic cores for application in coincident current matrix stores having a nominal selection ratio of 2 1 and in linear select memory stores

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS/ISO/IEC 11801-1 : 2017 11801-1 : 2017 ISO 4126-4: 2013	Information technology Generic cabling for customer premises Part 1 General requirements
2	IS/ISO/IEC 11801-2 : 2017 11801-2 ISO 23460: 2011	Information technology Generic cabling for customer premises Part 2 Office premises
3	IS/ISO/IEC 11801-3 : 2021 ISO/IEC 11801-3 : 2021	Information technology Generic cabling for customer premises Part 3 Industrial premises
4	IS 16333 (Part 1) : 2015 Reviewed In : 2021	Mobile Phone Handsets Part 1 Safety Requirements
5	IS 16333 (Part 3) : 2022 61123: 2019	Mobile phone handsets Part 3 indian language support for mobile phone handsets - Specific requirements Second Revision