

## BUREAU OF INDIAN STANDARDS

### Program of Work

#### LITD 28 : Smart Infrastructure

Scope: Standardization in the field of Smart Cities (Electro-technical and ICT aspects).

Liaison: **IEC TC- (P): SyC Smart Cities ISO/IEC TC- (P): Smart Cities IEC TC- (P): SyC Smart Cities**

### Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 18000:2020	Unified Digital Infrastructure - ICT Reference Architecture ( UDI-ICTRA )	December, 2023	-	Indigenous
2	IS 18002 (Part 1):2021	Unified Digital Infrastructure - Data Layer Part 1 Reference Architecture	June, 2024	-	Indigenous
3	IS 18003 (Part 1):2020	Unified Data Exchange Part 1 Architecture	December, 2023	-	Indigenous
4	IS 18003 (Part 4/Sec 1):2025	Unified Data Exchange Part 4: Compliance Specifications Section 1: Catalogue Service		-	Indigenous
5	IS 18003 (Part 2):2021	Unified Data Exchange Part 2 API specifications	June, 2024	-	Indigenous
6	IS 18003 (Part 3/Sec 1):2024	Unified Data Exchange Part 3 API Test Suites Sec 1: Resource Access Service		-	Indigenous
7	IS 18004 (Part 1):2021	IoT System Part 1 Reference Architecture	June, 2024	-	Indigenous
8	IS 18006 (Part 4/Sec 1):2025	Municipal Governance Part 4: Fire No Objection Certificate NoC Section 1: Taxonomy		-	Indigenous
9	IS 18006 (Part 5/Sec 1):2025	Municipal Governance Part 5: Municipal Grievance Redressal Section 1: Taxonomy		-	Indigenous
10	IS 18006 (Part 6/Sec 1):2025	Municipal Governance Part 6: Trade License Section 1: Taxonomy		-	Indigenous
11	IS 18006 (Part 3/Sec 1):2021	Municipal Governance - Part 3 Property Tax - Section 1 Taxonomy	June, 2024	-	Indigenous
12	IS 18006 (Part 1):2021	Municipal Governance - Part 1 Reference Architecture	June, 2024	-	Indigenous
13	IS 18006 (Part 8/Sec 1):2025	Municipal Governance Part 8: Building Plan Approval Section 1:		-	Indigenous

		Taxonomy			
14	IS 18006 (Part 7/Sec 1):2025	Municipal Governance Part 7: Water and Sewerage Section 1: Taxonomy		-	Indigenous
15	IS 18008 (Part 1):2021	Smart Cities- GIS Reference Architecture	June, 2024	-	Indigenous
16	IS 18008 (Part 2):2024	Smart Cities - GIS Part 2 Self-Assessment of GIS Reference Architecture		-	Indigenous
17	IS 18010 (Part 5/Sec 1):2020	Unified Digital Infrastructure Unified Last Mile Communication Protocols Stack Part 5 Network Access Layer ( IEEE 802.15.4 ) Section 1 Specification	December, 2023	1	Indigenous
18	IS 18010 (Part 4/Sec 1):2022 IEEE Std 2857 - 2021 IEEE Std 2857 - 2021	Wireless Smart Utility Network Field Area Network (FAN) (Unified Digital Infrastructure Unified Last Mile Communication Protocols Stack Part 4 Network Access Interface Layer Section 1 Specification)		-	Identical under dual numbering
19	IS 18010 (Part 1):2020	Unified Digital Infrastructure - Unified Last Mile Communication Protocols Stack Part 1 Reference Architecture ( UDI - ULMCPS - RA )	December, 2023	-	Indigenous
20	IS 802.15.4:2021 IEEE Std 802.15.4TM-2 IEEE Std 802.15.4i-2020	Low-Rate Wireless Networks	June, 2024	-	Identical under dual numbering
21	IS 802.15.9:2021 IEEE Std 802.15.9-20 IEEE Std 802.15.9-2016	Recommended Practice for Transport of Key Management Protocol KMP Datagrams	February, 2024	-	Identical under dual numbering
22	IS/ISO/IEC/IEEE 8802-1X:2013 IEEE Std 802.1X-2010 ISO/IEC/IEEE 8802-1X:2013	Information Technology - Telecommunications and Information Exchange Between Systems - Local and Metropolitan Area Networks Part 1X: Port-based Network Access Control	February, 2024	-	Identical under single numbering
23	IS/ISO/IEC/IEEE 8802-11:2018 IEEE Std 802.11-2016 ISO/IEC/IEEE 8802 (Part 11) : 2018	Information Technology - Telecommunications and Information Exchange Between Systems - Local and Metropolitan Area Networks - Specific Requirements Part 11: Wireless Lan Medium Access Control ( MAC ) and Physical Layer ( PHY ) Specifications	February, 2024	-	Identical under single numbering

### Standards under Development

### Projects Approved

SI. No.	Doc No.	Title
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No Records Found

### Preliminary Draft Standards

SI. No.	Doc No.	Title
No Records Found		

### Drafts Standards in WC Stage

SI. No.	Doc No.	Title
1	LITD 28 (28523)	Municipal Governance Part 7 Asset Management Knowledge Standard
2	LITD 28 (28524)	Municipal Governance Part 8 Miscellaneous Collection Taxonomy
3	LITD 28 (28527)	Municipal Governance Part 9 No Objection Certificates
4	LITD 28 (28536)	Municipal Governance Part 10 Urban Analytics Taxonomy

### 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 28 (13502)	Unified Digital Infrastructure - Unified Last Mile Communication Protocols Stack - Part 1 Reference Architecture UDI ULMCPS - RA
2	LITD 28 (13503)	Unified Digital Infrastructure Unified Last Mile Communication Protocols Stack Part 5 Network Access Layer IEEE 802 15 4 Section 1 Specification
3	LITD 28 (14048)	Information Technology Telecommunications and Information Exchange Between Systems Local and Metropolitan Area Networks Specific Requirements Part 11 Wireless Lan Medium Access Control MAC and Physical Layer PHY Specifications
4	LITD 28 (14051)	Information Technology Telecommunications and Information Exchange Between Systems Local and Metropolitan Area Networks Part 1X Port-based Network Access Control
5	LITD 28 (14060)	IEEE Recommended Practice for Transport of Key Management Protocol KMP Datagrams
6	LITD 28 (14073)	Unified Data Exchange Part 1 Architecture
7	LITD 28 (15990)	Unified Digital Infrastructure - ICT Reference Architecture UDI-ICTRA
8	LITD 28 (16448)	Low-Rate Wireless Networks
9	LITD 28 (17203)	Unified Digital Infrastructure - Data Layer Part 1 Reference Architecture
10	LITD 28 (17249)	Unified Data Exchange Part 2 API specifications
11	LITD 28 (17250)	Smart Cities- GIS Reference Architecture
12	LITD 28 (17277)	Municipal Governance Part 3 Property Tax Section 1 Taxonomy
13	LITD 28 (17283)	Municipal Governance - Part 1 Reference Architecture
14	LITD 28 (17304)	IoT System Part 1 Reference Architecture
15	LITD 28 (18457)	Wireless Smart Utility Network Field Area Network FAN Unified Digital Infrastructure Unified Last Mile Communication Protocols Stack Part 4 Network Access Interface Layer Section 1 Specification
16	LITD 28 (21132)	Unified Data Exchange Part 3 API Test Suites Sec 1 Resource Access Service
17	LITD 28 (21174)	Unified Digital Infrastructure Unified Last Mile Communication Protocols Stack Part 5 Network Access Layer IEEE 802 15 4 Section 1 Specification Amendment - 1
18	LITD 28 (21729)	Smart Cities - GIS Part 2 Self-Assessment of GIS Reference Architecture
19	LITD 28 (22596)	Municipal Governance Part 8 Building Plan Approval Section 1 Taxonomy
20	LITD 28 (22599)	Municipal Governance Part 7 Water and Sewerage Section 1 Taxonomy
21	LITD 28 (22601)	Municipal Governance Part 6 Trade License Section 1 Taxonomy
22	LITD 28 (22602)	Municipal Governance Part 4 Fire No Objection Certificate NoC Section 1 Taxonomy

23	LITD 28 (22606)	Municipal Governance Part 5 Municipal Grievance Redressal Section 1 Taxonomy
24	LITD 28 (24026)	Unified Data Exchange Part 4 Compliance Specifications Section 1 Catalogue Service
25	LITD 28 (26691) Revision of: IS/ISO/IEC/IEEE 8802:2018	Telecommunications and Information Exchange Between Systems Specific Requirements for Local and Metropolitan Area Networks Part 11 Wireless LAN Medium Access Control MAC and Physical Layer PHY Specifications First Revision
26	LITD 28 (26701) Revision of: IS 802.15.9:2021	Recommended Practice for Transport of Key Management Protocol KMP Datagrams First Revision
27	LITD 28 (26725) Revision of: IS/ISO/IEC/IEEE 8802:2013	Telecommunications and Exchange Between Information Technology Systems Requirements for Local and Metropolitan Area Networks Part 1X Port-Based Network Access Control First Revision

**Total Published Standards:23 Total Standards Under development:31**

**Aspect Wise Report**

Product : 0  
Code of Practices : 14  
Methods of Test : 1  
Terminology : 1  
Dimensions : 0  
System Standard : 0  
Safety Standard : 0  
Others : 7  
Service Specification : 0  
Process Specification : 0  
Unclassified : 0

**Annexure-I :List of Indian Standards Withdrawn/Superseded**

Sl. No.	IS No. & Year	Title
<i>No Records Found</i>		

**Annexure-II :List of Indian Product Standards**

Sl. No.	IS No. & Year	Title
<i>No Records Found</i>		