

## 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**

### Published Standards

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

		Taxonomy			
14	IS 18006 (Part 8/Sec 1):2025	Municipal Governance Part 8: Building Plan Approval Section 1: Taxonomy		-	Indigenous
15	IS 18008 (Part 1):2021 Reviewed In : 2024	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 1):2020 Reviewed In : 2023	Unified Digital Infrastructure - Unified Last Mile Communication Protocols Stack Part 1 Reference Architecture ( UDI - ULMCPS - RA )	December, 2023	-	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 5/Sec 1):2020 Reviewed In : 2023	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
20	IS 802.15.9:2021 IEEE Std 802.15.9-20 Reviewed In : 2024 IEEE Std 802.15.9-2016	Recommended Practice for Transport of Key Management Protocol KMP Datagrams	February, 2024	-	Identical under dual numbering
21	IS 802.15.4:2021 IEEE Std 802.15.4™-2 Reviewed In : 2024 IEEE Std 802.15.4™-2020	Low-Rate Wireless Networks	June, 2024	-	Identical under dual numbering
22	IS/ISO/IEC/IEEE 8802-1X:2013 IEEE Std 802.1X-2010 Reviewed In : 2024 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 Reviewed In : 2024 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		
Sl. No.	Doc No.	Title
No Records Found		
Preliminary Draft Standards		
Sl. 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
Drafts Standards in WC Stage		
Sl. No.	Doc No.	Title
No Records Found		
Draft Standards Completed WC Stage		
Sl. No.	Doc No.	Title
1	LITD 28 (26691)	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
2	LITD 28 (26701)	Recommended Practice for Transport of Key Management Protocol KMP Datagrams First Revision
3	LITD 28 (26725)	Telecommunications and Exchange Between Information Technology Systems Requirements for Local and Metropolitan Area Networks Part 1X Port-Based Network Access Control First Revision
Finalized Draft Indian Standard		
Sl. No.	Doc No.	Title
No Records Found		
Finalized Draft Indian Standards under Print		
Sl. No.	Doc No.	Title
No Records Found		
Total Published Standards:15 Total Standards Under development:7		
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

No Records Found
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<b>Annexure-II :List of Indian Product Standards</b>
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Sl. No.	IS No. & Year	Title
No Records Found		