BUREAU OF INDIAN STANDARDS

Program of Work

LITD 22 : Geospatial Information

Scope: To prepare Indian standards in the field of geospatial information including methods, tools, products, services for objects or phenomenon that are directly or indirectly associated with a location relative to the earth.

Liaison: **ISO TC-211 (P):** *Geographic information/Geomatics* **ISO TC-211 (P):** *Geographic information/Geomatics*

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 13393:2024 ISO 6709:2022 ISO 6709:2022	Standard Representation of Geographic Point Location by Coordinates (Second Revision)		-	Identical under dual numbering
2	IS 16439:2025	Metadata Standard for Geospatial Information		-	Indigenous
3	IS 16554:2017	Data exchange standard for geospatial information	July, 2023	-	Indigenous
4	IS 16626:2025 ISO 19136-1:2020 ISO 19136-1:2020	Geographic information - Geography Markup Language(GML) Part 1: Fundamentals		-	Identical under single numbering
5	IS 16626 (Part 2):2018 ISO 19136-2 : 2015 ISO 19136-2 : 2015	Geographic information - Geography markup language (GML): Part 2 extended schemas and encoding rules	August, 2024	-	Identical under dual numbering
6	IS 16699:2018 ISO 19128 : 2005 ISO 19128 : 2005	Geographic information - Web map server interface	January, 2024	-	Identical under dual numbering
7	IS 16701:2021 ISO 19142: 2010 ISO 19142: 2010	Geographic information — Web Feature Service	August, 2024	-	Identical under dual numbering
8	IS 16966:2018 ISO 19132 : 2007 ISO 19132 : 2007	Geographic Information — Location-Based Services — Reference Model	May, 2024	-	Identical under dual numbering
9	IS 16967:2018 ISO 19133 : 2005 ISO 19133 : 2005	Geographic information - Location - Based services - Tracking and navigation	May, 2024	-	Identical under dual numbering
10	IS 16968:2018 ISO 19134 : 2007 ISO 19134 : 2007	Geographic information - Location - Based services - Multimodal routing and navigation	July, 2024	-	Identical under dual numbering
11	IS 16970:2018 ISO 19109 : 2015 ISO 19109 : 2015	Geographic information - Rules for applications schema	July, 2024	-	Identical under dual numbering
12	IS 17007:2025 ISO 19103:2015	Geographic Information - Conceptual Schema Language		-	Identical under dual numbering

	ISO 19103:2015	(first revision)			
13	IS 18565 (Part 1):2024 ISO 19157-1 :2023 ISO 19157-1 :2023	Geographic information ï¿½ Data quality Part 1 General requirements		-	Identical under dual numbering
14	IS 18565 (Part 2):2024 ISO/TS 19157-2 ISO/TS 19157-2	Geographic Information Data Quality Part 2: XML Schema Implementation		-	Identical under dual numbering
15	IS 18594 (Part 2):2025 ISO 19152-2 : 2025 ISO 19152 (Part 2) : 2025	Geographic information Land Administration Domain Model LADM Part 2: Land registration (FIRST REVISION)		-	Identical under dual numbering
16	IS 18620 (Part 2):2025 ISO 19168-2:2022 ISO 19168-2:2022	Geographic information ï¿½ Geospatial API for features ï¿½ Part 2: Coordinate Reference Systems by Reference		-	Identical under dual numbering
17	IS 18620 (Part 1):2024 ISO 19168-1:2020 ISO 19168-1:2020	Geographic information ï¿½ Geospatial API for features ï¿½ Part 1: Core		-	Identical under dual numbering
18	IS 18793 (Part 1):2024 ISO 19101-1:2014 ISO 19101-1:2014	Geographic Information Reference Model Part 1: Fundamentals		-	Identical under dual numbering
19	IS 18793 (Part 2):2024 ISO 19101-2:2018 ISO 19101-2:2018	Geographic information Reference model Part 2: Imagery		-	Identical under dual numbering
20	IS 19116:2025 ISO 19105: 2022 ISO 19105: 2022	Geographic information Conformance and testing		-	Identical under single numbering
21	IS 19321:2025	Navic Receiver - Specification		-	Indigenous
22	IS 19583:2026	Orthoimagery- Data Acquisition and Accuracy Assessment		-	
23	IS 19711:2026	DataContent Standard for Geospatial Information - Part 3 Geology		-	

Standards under Development

Projects Approved

SI. No.	Doc No.	Title
No Records Found		

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
1	LITD 22 (25213)	DataContent Standard for Geospatial Information Part 1 - Soils
2	LITD 22 (25214)	Data Content Standard for Geospatial Information - Part 2 Forest

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	LITD 22 (03607) Revision of: IS 13393:2017	Standard representation of geographic point location by coordinates
2	LITD 22 (03610)	Geographic information Web map surface interface
3	LITD 22 (03611)	Geographic information Geography Markup Language GML
4	LITD 22 (03612)	Geographic information Web Feature Service
5	LITD 22 (10109)	Metadata standard for Geospatial Information
6	LITD 22 (10110)	Data exchange standard for geospatial information
7	LITD 22 (10645)	Geographic information Location based services Reference model
8	LITD 22 (10646)	Geographic information Location based services Tracking and Navigation
9	LITD 22 (10647)	Geographic information Location based services Multimodal Routing and Navigation
10	LITD 22 (10648)	Geographic information Geographic Markup LanguageGML Part 2 Extended schemas and encoding rules
11	LITD 22 (10649)	Geographic information Conceptual schema language
12	LITD 22 (10650)	Geographic information Rules for application schema
13	LITD 22 (22740)	Geographic information Data quality Part 1 General requirements
14	LITD 22 (22741)	Geographic Information Data Quality Part 2 XML Schema Implementation
15	LITD 22 (22757)	Geographic information Land Administration Domain Model LADM
16	LITD 22 (22758) Revision of: IS 13393:2017	Standard representation of geographic point location by coordinates Second Revision
17	LITD 22 (22759)	Geographic information Geospatial API for features Part 2 Coordinate Reference Systems by Reference
18	LITD 22 (22760)	Geographic information Geospatial API for features Part 1 Core
19	LITD 22 (23096)	Airborne LiDAR data acquisition Part 1 Requirements
20	LITD 22 (23729) Revision of: IS 16626:2017	Geographic information Geography Markup Language GML Part 1 Fundamentals
21	LITD 22 (23730)	Geographic Information Reference Model Part 1 Fundamentals
22	LITD 22 (23731)	Geographic information Reference model Part 2 Imagery
23	LITD 22 (23732)	Geographic information Conformance and testing
24	LITD 22 (25215)	DataContent Standard for Geospatial Information - Part 3 Geology
25	LITD 22 (25216)	Navic Receiver Specification
26	LITD 22 (25536) Revision of: IS 17007:2018	Geographic Information Conceptual Schema Language
27	LITD 22 (25537) Revision of: IS 18594:2024	Geographic Information Land Administration Domain Model LADM Part 1 Generic Conceptual Model First Revision
28	LITD 22 (25845)	Geospatial Information Functional Areas Administrative Boundaries
29	LITD 22 (26403) Revision of: IS 16439:2016	Metadata Standard for Geospatial Information
30	LITD 22 (27911) Revision of: IS 18594:2024	Geographic information Land Administration Domain Model LADM Part 2 Land registration
31	LITD 22 (27934)	Orthoimagery- Data Acquisition and Accuracy Assessment
32	LITD 22 (27935)	Code of Practice for establishing Geodetic Reference Frame
33	LITD 22 (28341)	Collection Compilation and Use of Geographical Names Part I - Code of Practice
34	LITD 22 (33908)	INDIAN ADDRESSING STANDARD PART 1 CONCEPTUAL MODEL AND DIGIPIN

Total Published Standards:23 Total Standards Under development:38

Aspect Wise Report

Product : 1
Code of Practices : 0
Methods of Test : 0
Terminology : 0
Dimensions : 0
System Standard : 0
Safety Standard : 0
Others : 19
Service Specification : 0
Process Specification : 1
Unclassified : 2

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
No Records Found		

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 19321:2025	Navic Receiver - Specification