

## 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*

### Published Standards

| S.No | IS No.   | TITLE  | Reaffirm M-Y  | No. of Amds | Eqv.                           |
|------|--|--|---------------|-------------|--------------------------------|
| 1    | IS 13393 : 2024<br>ISO 6709:2022<br><a href="#">ISO 6709:2022</a>  | Standard Representation of Geographic Point Location by Coordinates (Second Revision)                |               | -           | Identical under dual numbering |
| 2    | IS 13393 : 2017<br>ISO 6709<br><a href="#">Reviewed In : 2023</a><br><a href="#">ISO 6709:2022</a>                         | Standard representation of geographic point location by coordinates (First Revision)                 | March, 2023   | -           | Identical under dual numbering |
| 3    | IS 16439 : 2016<br><a href="#">Reviewed In : 2022</a>  | Metadata standard for geospatial information   | May, 2022     | -           | Indigenous                     |
| 4    | IS 16554 : 2017<br><a href="#">Reviewed In : 2023</a>  | Data exchange standard for geospatial information  | July, 2023    | -           | Indigenous                     |
| 5    | IS 16626 : 2017<br>ISO 19136 : 2007<br><a href="#">Reviewed In : 2023</a><br><a href="#">ISO 19136-1 : 2007</a>            | Geographic information - Geography markup language (GML)   | August, 2023  | -           | Identical under dual numbering |
| 6    | IS 16626 (Part 2) : 2018<br>ISO 19136-2 : 2015<br><a href="#">Reviewed In : 2024</a><br><a href="#">ISO 19136-2 : 2015</a> | Geographic information - Geography markup language (GML): Part 2 extended schemas and encoding rules | August, 2024  | -           | Identical under dual numbering |
| 7    | IS 16699 : 2018<br>ISO 19128 : 2005<br><a href="#">Reviewed In : 2024</a><br><a href="#">ISO 19128 : 2005</a>              | Geographic information - Web map server interface  | January, 2024 | -           | Identical under dual numbering |
| 8    | IS 16701 : 2021<br>ISO 19142: 2010<br><a href="#">Reviewed In : 2024</a><br><a href="#">ISO 19142: 2010</a>                | Geographic information — Web Feature Service   | August, 2024  | -           | Identical under dual numbering |
| 9    | IS 16966 : 2018<br>ISO 19132 : 2007<br><a href="#">Reviewed In : 2024</a><br><a href="#">ISO 19132 : 2007</a>              | Geographic Information — Location-Based Services — Reference Model                                   | May, 2024     | -           | Identical under dual numbering |
| 10   | IS 16967 : 2018<br>ISO 19133 : 2005<br><a href="#">Reviewed In : 2024</a>  | Geographic information - Location - Based services - Tracking and navigation                         | May, 2024     | -           | Identical under dual numbering |

|    |   |   |             |   |                                     |
|----|---|---|-------------|---|-------------------------------------|
|    | <a href="#">ISO 19133 : 2005</a>  |   |             |   |                                     |
| 11 | <a href="#">IS 16968 : 2018</a><br><a href="#">ISO 19134 : 2007</a><br><a href="#">Reviewed In : 2024</a><br><a href="#">ISO 19134 : 2007</a> | Geographic information - Location<br>- Based services - Multimodal<br>routing and navigation  | July, 2024  | - | Identical under dual<br>numbering   |
| 12 | <a href="#">IS 16970 : 2018</a><br><a href="#">ISO 19109 : 2015</a><br><a href="#">Reviewed In : 2024</a><br><a href="#">ISO 19109 : 2015</a> | Geographic information - Rules for<br>applications schema   | July, 2024  | - | Identical under dual<br>numbering   |
| 13 | <a href="#">IS 17007 : 2018</a><br><a href="#">ISO 19103 : 2015</a><br><a href="#">Reviewed In : 2024</a><br><a href="#">ISO 17007:2009</a>   | Geographic information -<br>Conceptual schema language  | April, 2024 | - | Identical under single<br>numbering |
| 14 | <a href="#">IS 18565 (Part 1) :<br/>2024</a><br><a href="#">ISO 19157-1 :2023</a><br><a href="#">ISO 19157-1 :2023</a>                        | Geographic information $\ddot{i}_L^{1/2}$ Data<br>quality Part 1 General<br>requirements  |             | - | Identical under dual<br>numbering   |
| 15 | <a href="#">IS 18565 (Part 2) :<br/>2024</a><br><a href="#">ISO/TS 19157-2</a><br><a href="#">ISO/TS 19157-2</a>                              | Geographic Information Data<br>Quality Part 2: XML Schema<br>Implementation   |             | - | Identical under dual<br>numbering   |
| 16 | <a href="#">IS 18594 : 2024</a><br><a href="#">ISO 19152:2012</a><br><a href="#">ISO 19152:2012</a>   | Geographic information $\ddot{i}_L^{1/2}$ Land<br>Administration Domain Model<br>(LADM)   |             | - | Identical under dual<br>numbering   |
| 17 | <a href="#">IS 18620 (Part 1) :<br/>2024</a><br><a href="#">ISO 19168-1:2020</a><br><a href="#">ISO 19168-1:2020</a>                          | Geographic information $\ddot{i}_L^{1/2}$<br>Geospatial API for features $\ddot{i}_L^{1/2}$<br>Part 1: Core   |             | - | Identical under dual<br>numbering   |
| 18 | <a href="#">IS 18620 (Part 2) :<br/>2025</a><br><a href="#">ISO 19168-2:2022</a><br><a href="#">ISO 19168-2:2022</a>                          | Geographic information $\ddot{i}_L^{1/2}$<br>Geospatial API for features $\ddot{i}_L^{1/2}$<br>Part 2: Coordinate Reference<br>Systems by Reference |             | - | Identical under dual<br>numbering   |
| 19 | <a href="#">IS 18793 (Part 1) :<br/>2024</a><br><a href="#">ISO 19101-1:2014</a><br><a href="#">ISO 19101-1:2014</a>                          | Geographic Information Reference<br>Model Part 1: Fundamentals  |             | - | Identical under dual<br>numbering   |
| 20 | <a href="#">IS 18793 (Part 2) :<br/>2024</a><br><a href="#">ISO 19101-2:2018</a><br><a href="#">ISO 19101-2:2018</a>                          | Geographic information Reference<br>model Part 2: Imagery   |             | - | Identical under dual<br>numbering   |
| 21 | <a href="#">IS 19116 : 2025</a><br><a href="#">ISO 19105: 2022</a><br><a href="#">ISO 19105: 2022</a>   | Geographic information<br>Conformance and testing   |             | - | Identical under single<br>numbering |

### Standards under Development

#### Projects Approved

| SI. No. | Doc No.         | Title   |
|---------|-----------------|---|
| 1       | LITD 22 (25214) | DataContent Standard for Geospatial Information - Part 2 Forestry |

#### Preliminary Draft Standards

| SI. No. | Doc No.         | Title  |
|---------|-----------------|--|
| 1       | LITD 22 (25213) | DataContent Standard for Geospatial Information Part 1 - Soils |

#### Drafts Standards in WC Stage

| SI. No.                 | Doc No. | Title |
|-------------------------|---------|-------|
| <i>No Records Found</i> |         |       |

### Draft Standards Completed WC Stage

| SI. No. | Doc No.         | Title   |
|---------|-----------------|---|
| 1       | LITD 22 (23096) | Airborne LiDAR data acquisition Part 1 Requirements               |
| 2       | LITD 22 (25215) | DataContent Standard for Geospatial Information - Part 3 Geology  |
| 3       | LITD 22 (25216) | Navic Receiver  |
| 4       | LITD 22 (25536) | Geographic Information Conceptual Schema Language                 |
| 5       | LITD 22 (25537) | Geographic Information Land Administration Domain Model LADM      |
| 6       | LITD 22 (25845) | Geospatial Information Functional Areas Administrative Boundaries |
| 7       | LITD 22 (26403) | Metadata Standard for Geospatial Information                      |

### Finalized Draft Indian Standard

| SI. No.                 | Doc No. | Title |
|-------------------------|---------|-------|
| <i>No Records Found</i> |         |       |

### Finalized Draft Indian Standards under Print

| SI. No. | Doc No.                                    | Title  |
|---------|--|--|
| 1       | LITD 22 (23729) Revision of: IS 16626:2017 | Geographic information Geography Markup Language GML Part 1 Fundamentals |

**Total Published Standards:12 Total Standards Under development:10**

### Aspect Wise Report

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

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

| SI. No.                 | IS No. & Year | Title |
|-------------------------|---------------|-------|
| <i>No Records Found</i> |               |       |

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

| SI. No.                 | IS No. & Year | Title |
|-------------------------|---------------|-------|
| <i>No Records Found</i> |               |       |