



BUREAU OF INDIAN STANDARDS

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MINUTES

Document Dispatch Advice	
Ref	Date
LITD 22/A-2.11	20 Nov 2023

All Members of **Geospatial Information Sectional Committee, LITD 22**

Subject: Minutes for the Tenth meeting of Geospatial Information Sectional Committee, LITD 22

Time	1100h-1300h Tuesday, 7 Nov 2023
Meeting link	https://bismanak.webex.com/bismanak/j.php?MTID=m2fddf808e9be8c2dd110422bdd4581ec
Meeting ID	2516 702 8001
Password	LITD22@11

Dear Sir/Madam,

Further, to our meeting dated 07 Nov 2023, please find enclosed minutes of the eleventh Meeting of above referred Committee held on 07 Nov 2023 in virtual mode.

Thanking you,

Yours Sincerely,
Sd/-
(Ashish Tiwari)
Sc'D'(Electronics and IT Dept)
Email: ashishtiwari2205@bis.gov.in

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BUREAU OF INDIAN STANDARDS

MINUTES

**ELEVENTH MEETING OF GEOSPATIAL INFORMATION SECTIONAL
COMMITTEE, LTD 22**

DATE: 7 Nov 2023
TUESDAY
TIME: 1100

VENUE:

<https://bismanak.webex.com/bismanak/j.php?MTID=m2fddf808e9be8c2dd110422bdd4581ec>

CHAIRMAN: 1. **Dr. Debapriya Dutta**
Members Present:

MEMBER SECRETARY: 2. Shri Ashish Tiwari

SI No.	Display Name	Organisation
3	Dr Aniruddha Roy	Genesys International Corporation Limited, Mumbai
4	Shri Satej Panditrao	Association of Geospatial Industries, New Delhi
5	Dr. Sanjay Rajpal	Bhaskaracharya National Institute for Space Applications and Geo-informatics, Gandhinagar
6	Smt Bansari Magia	
7	Forest Survey of India	Forest Survey of India, Dehradun
8	Shri Debasis Sengupta	Geological Survey of India, New Delhi
9	Dr. Kuldeep Srivastava	India Meteorological Department, New Delhi
10	Shri Swapan Kumar Manik	
11	Dr Suman Gurjar	
12	Dr. Surya S Durbha	Indian Institute of Technology Bombay, Mumbai
13	Dr. Bharat Lohani	Indian Institute of Technology Kanpur, Kanpur
14	Shri Paragjyoti Garg	IN-SPACE, Ahmedabad
15	Dr Akhilesh	Indian Space Research Organisation
16	Shri Manish Saxena	
17	Dr Nishkam Jain	
18	Shri Rajendra N. Gaikwad	
19	Shri DC Misra	Ministry of Rural Development, New Delhi
20	Dr. Ganesh Khadanga	
21	Shri Mayank Rajput	
22	Dr. Manohar Yadav	Motilal Nehru National Institute of Technology, Prayagraj
23	Shri Sajikrishnan K.	National Atlas and Thematic Mapping Organisation, Kolkata
24	Dr. G.P. Obi Reddy	NBSSLUP, Nagpur

25	NHO,DEHRADUN	National Hydrographic Office, Dehradun
26	Dr Konga Gopikrishna	National Spatial Data Infrastructures, New Delhi
27	Shri R. N. Nanda	
28	Dr. VVLN Sarma	Office of the Registrar General and Census Commissioner, New Delhi
29	Shri A. Lazar	
30	Shri Harsha Vardhan Madiraju	Open Geospatial Consortium, Hyderabad
31	Dr Shweta Shah	SV NIT, Surat
32	Shri Sukrutha B H K	Signalchip Innovation Private Limited, Bangalore
33	Shri Nirmalendu Kumar	Survey of India, Dehradun
34	Shri P.V. Rajasekhar	
35	Dr Anindya Bose	The University of Burdwan
36	Shri Monis Khan	Town and Country Planning Organisation, New Delhi
37	Shri P S Acharya	IN INDIVIDUAL CAPACITY

Invitee:

- a) Sh Atul Dwivedi
- b) Mr Shah, Panacea geospatial

ITEM 0 GENERAL/OPENING REMARKS

0.1 The Member Secretary welcomed all the members to the Eleventh meeting of LITD 22. He informed the members about the various activities of the Panels under LITD 22 and the developments over various draft standards under it. He informed about need for increased participation in ISO/TC 211 which will be held in India during 03-08 Dec 2023 in New Delhi.

0.2 Dr Debapriya Dutta extended a warm welcome to all the members present and requested all the members for their contribution to the Standardization activities of the Committee. He informed the Committee about the need for standards in successful implementation of National Geospatial Policy in India and the benefits of adopting/adapting ISO/ TC 211 standards by LITD 22. He also emphasized on the need of implementation of standards. He then requested the Member Secretary to take up the agenda items.

ITEM 1 FORMAL CONFIRMATION OF THE MINUTES OF THE LAST MEETING

1.1 There being no comments from the members, the Committee formally confirmed the minutes of its last meeting held on 09 Aug 2023 in Hybrid mode.

ITEM 2 COMPOSITION OF SECTIONAL COMMITTEE

3.1 The Committee reviewed its composition as given in Annex 1 of the Agenda. It was informed that BIS wrote to many organizations seeking fresh nominations to the Committee and many of the organizations have already sent new nominations. The committee requested members to review their nominations in the following link and let us know if there are any changes:

https://www.services.bis.gov.in/php/BIS_2.0/bisconnect/dgdashboard/committee_sso/composition/330/2

ITEM 3 Draft Indian Standard in Wide Circulation

4.1 The member secretary informed that following draft standards are currently in wide circulation. The last date for comments was 18 Sep 2023.

SI No.	Document No.	Latest ISO/IEC No.	Title
1	LITD 22 (22758)	IS 13393 / ISO 6709:2022	Standard representation of geographic point location by coordinates (2 nd Revision)
2	LITD 22 (22757)	ISO 19152:2012	Geographic information — Land Administration Domain Model (LADM) Country profile work is in progress.
3	LITD 22 (22740)	ISO 19157-1:2023	Geographic information — Data quality- Part 1: General requirements
4	LITD 22 (22760)	ISO 19168-1:2020	Geographic information — Geospatial API for features — Part 1: Core
5	LITD 22 (22759)	ISO 19168-2:2022	Geographic information – Geospatial API for features — Part 2: Coordinate Reference Systems by Reference
6	LITD 22 (22741)	ISO/TS 19157-2:2016	Geographic information — Data quality — Part 2: XML schema implementation

The committee decided to finalize the above drafts and approved for printing.

3.2 The member secretary informed about the following drafts in wide circulation. The last date for comments is 10 Dec 2023.

SI No.	Document No.	Latest ISO No.	Title
1	LITD 22 (23729)	IS 16626 : 2017 /ISO 19136-1:2020	Geographic information — Geography Markup Language (GML) — Part 1: Fundamentals (First Revision)
2	LITD 22 (23730)	IS/ISO 19101-1: 2014	Geographic information — Reference model — Part 1: Fundamentals
3	LITD 22 (23731))	IS/ISO 19101-2 : 2018	Geographic information — Reference model — Part 2: Imagery
4	LITD 22 (23732)	IS/ISO 19105 : 2022	Geographic information — Conformance and testing
5	LITD 22 (23733)	IS/ISO 19160-1 : 2015	Addressing — Part 1: Conceptual model

6	LITD 22 (23736)	IS/ISO 19160-3 : 2020	Addressing — Part 3: Address data quality
7	LITD 22 (23737)	IS/ISO 19160-4 : 2023	Addressing — Part 4: International postal address components and template language

The comments requested members to provide comments, if any by the due date.

ITEM 4 R&D Proposals from LITD 22

4.1 The member secretary informed the committee members about the BIS R&D scheme. It was informed that BIS invited R&D proposals from committee members and 3 proposals were received. The primary objectives of this scheme are:

- i. To actively support and commission R&D projects aimed at generating knowledge, empirical data, and insights crucial for the formulation of new standards, as well as the updating and upgrading of existing Indian standards;
- ii. To expand the network of domain area experts to carryout R&D projects in the areas related to standardization and conformity assessment; and
- iii. To enhance the research ecosystem within educational institutions imparting technical and professional education.

4.1.1 Airborne LiDAR data quality assessment programme

Dr Manohar yadav, MNNIT Allahabad presented the R&D proposal on Airborne LiDAR data quality assessment programme. The committee discussed the proposal and following suggestions were made:

- a) Data provider and Data source needs to be defined.
- b) Multiple returns, Quality of the intensity and Mosaic of the Area needs to be defined.

The committee approved the proposed R&D project and requested member secretary to submit the modified proposal to next level.

4.1.2 Impact of Standards in Geospatial Technology Industry in India: A 360o Approach through Business, Engagement, Strategic and Technological (BEST) Perspectives

Dr Anindya Bose presented the R&D proposal on need for studying the impact of geospatial standards in India. The committee discussed the proposal and felt that there is a need to study the awareness and understanding of geospatial standards amongst various stakeholders and to understand their expectations. Further, following suggestions were made:

- a) It was suggested that rather than focusing on all standards, initial focus should be on 4 important standards. For eg: ISO 19115, 19117, 19165, 19157
- b) The proposal should also include roadblocks and challenges in adopting geospatial standards in India.
- c) The proposer should also refer Maturity level guide from UNGGIM.
- d) Initial Survey questions should also be part of the proposal.

The committee approved the proposed R&D project and requested proposer to present it during next meeting of LITD 22.

4.1.3 Registration of Geospatial information items.

Mr Shah, Panacea geospatial presented the R&D proposal and presented the need for automatic registration of Geodetic register. The committee discussed the proposal and felt that though this is a relevant topic for discussion but currently is out of the scope of current R&D guidelines.

The committee thanked the proposer for taking interests in presenting the R&D proposal.

ITEM 5 INDIAN DELEGATION FOR ISO/TC 211 ‘GEOGRAPHIC INFORMATION’

5.1 The member Secretary informed that BIS is hosting the 57th plenary meeting of ISO/TC 211 ‘Geographic Information’ in India at New Delhi during 03-08 Dec 2023. More than 180 experts from 40 countries are expected to attend these meetings to discuss 25 projects under TC 211. In addition, BIS is hosting a Global Seminar, Standards in Action, which will focus on implementation experiences of geospatial standards in various countries. The details of the meetings are at the following link :

<https://committee.iso.org/sites/tc211/home/plenary-meeting/57th-plenary-meeting-new-delhi.html>

So far, 67 experts from India have expressed their interests to attend various WG meetings of ISO/TC 211 through BIS google form. The member secretary informed that this is a good opportunity for LITD 22 members to understand the ISO procedure and contribute towards international standardization. It was also informed that some of the interested members are not the member of LITD 22 committee or panel members.

As per the procedure, only the members registered in ISO GD can register for attending the ISO meeting. Based on the discussion, the committee approved the Indian delegation as given in Annex. The committee also approved the nomination of experts (given in Annex) as experts in ISO GD so that members can register for the meeting.

After TC 211 meeting in Dec 2023, the committee will decide about the continuation of registered members in ISO GD in TC 211 and its WGs from LITD 22.

ITEM 6 DATE AND PLACE FOR THE NEXT MEETING

6.1 It was decided to fix the exact date and place for the next meeting in consultation with the Chairman.

ITEM 7 ANY OTHER BUSINESS

7.1 The meeting ended with a vote of thanks to the Chair.

Annex

Sl no.	Name	Organization	Email ID	TC 211 WG/AG/Plenary
1	Debapriya Dutta (Head of the Delegation)	DST	ddutta@nic.in	CAG 1, AG 11, AG 12, AG 13, TC 211
2	V Udaya Kumar	National Informatics Centre	uday.kumar@nic.in	WG 9, TC 211 Plenary, AHG 10
3	Ms. Prajwalita Jayadev Chavan	Indian Institute of Technology (IIT Bombay)	prajwalita.chavan@gmail.com	WG10, JWG 11
4	Dr. Sanjay Rajpal	BISAG-N	dir.standardization@digitalindia.gov.in	JWG 11, TC 211 Plenary, AG 12
5	Bansari Magia	BISAG-N	bisagsp14@gujarat.gov.in	JWG 11
6	P S Acharya	Ex-CEO, NSDI, Department of Science & Technology, Government of India	psanrdms@gmail.com	WG 7, TC 211 Plenary, AG 12 and AG 13
7	Dr. Suddhasheel Ghosh	MGM University	suddhasheel@gmail.com	WG 6, AG 6, TC 211
8	Rajendra G	SAC	g_rajendra@sac.isro.gov.in	WG 6, WG 7, TC 211 Plenary
9	V S S Kiran	Garudalytics	vssk@garudalytics.com	WG 1, JWG 11
10	Satej Panditrao	Association of Geospatial Industries	satej.panditrao@agiindia.com	WG 6, JWG 11
11	Santosh Singh	SATPALDA	santosh.singh@satpalda.com	JWG 11
12	Sakshi Singh	Association of Geospatial Industries (AGI)	sakshi.singh@agiindia.com	WG 4
13	Mr Kuldeep Srivastava	India Meteorological Department, New Delhi	kuldeep.srivastava@imd.gov.in	WG 1, AHG 11, TC 211 Plenary
15	Dr Suman Gurjar	India Meteorological Department, New Delhi	suman.gurjar@imd.gov.in	WG 4
16	Mitika Garg	Oracle	mitika.garg@oracle.com	WG 4
17	Harsha Vardhan Madiraju	Open Geospatial Consortium (OGC)	hmadiraju@ogc.org	WG 9, AG 4
18	Vijay Kumar	Esri India	vijay.kumar@esri.in	WG 1, JWG 11

19	Dr. Kuldeep Srivastava	India Meteorological Department	kuldeep.srivastava@imd.gov.in	JWG 11, AG 11, TC 211
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24	Jitendra Kumar Jaiswal	National Atlas & Thematic Mapping Organisation (NATMO)	jitendra.natmo@gov.in	WG 7, AG 14
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30	Saranya R Chandran	National Atlas and Thematic Mapping Organisation, Rashtriya Atlas Bhavan (RAB)	saranyarchandran@gmail.com	WG 7
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41	Sanup Mandal	National Atlas & Thematic Mapping Organisation	sanupmandal2013@gmail.com	WG 7
42	Sk Mujibar Rahaman	National Atlas & Thematic Mapping Organisation	mujibar08@gmail.com	WG 7
43	Swami Nath	National Atlas & Thematic Mapping Organisation, DST	swaminath1929@gmail.com	WG 7
44	Dr. Harish Chandra Karnatak	Indian Institute of Remote Sensing, ISRO	harish@iirs.gov.in	WG 1, WG 9, AHG 11, AG 13
45	Shefali Agrawal	Indian Institute of Remote Sensing, ISRO	shefali_a@iirs.gov.in	WG 1, WG 9, AG 12
46	Shubha Pandey	DST	shubha.p@nic.in	JWG 11, TC 211 Plenary, AG 12, AG 11, AHG 10, AG 13
47	Dr Anindya Bose	The University of Burdwan	abose@phys.buruniv.ac.in	WG 4, AG 6
49	P V Rajasekhar	Survey of India	rajasekhar.soi@gov.in	WG 7, WG 10, AG 13, AG 12, AG 6, TC 211 Plenary
50	Mohd. Monis Khan	TOWN & COUNTRY PLANNING ORGANISATION	monis.khan@nic.in	WG 6, WG 9, AG 13
51	Bindu Manghat	Survey of India	bindu.manghat.soi@gov.in	WG 1, WG 4
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63	Dr. Aniruddha Roy	Genesys International Corporation Ltd	ani.roy@igenesys.com	WG 10, JWG 11, AG 6, AHG 10
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69	Triparna Barman	Forest Survey of India	triparnabarmandst@gmail.com	WG 10, AG 12, AG 6
70	Rajesh Mathur	ESRI India Technologies Pvt. Ltd.	Rajesh.mathur@esri.in	WG 1, AG 4