



## Technical Activities

**Adoption of TSDSI Transposed 3GPP Release-17 Standard as National Standards:** Telecommunication Engineering Centre (TEC), DoT adopted TSDSI transposed standards corresponding to 3GPP Rel 17 as National Standards. TSDSI standards are available at link <https://tsdsi.in/3gpp/>.

**SGSS WG3#01 Meeting:** Services and Solutions Study Group organised the first meeting of its WG3-Services Architecture and Framework online on 30 January 2023. Contributions on Cloud Interoperability and Portability [W11-NIP197] and Rural Broadband Services and Architecture [NIP 255] were discussed.

## Global Standards Roundup

### 3GPP

There were a total of 11 meetings conducted during the month of Jan 2023. 38 delegates from 12 3GPP IMs of TSDSI participated in these meetings. Our IMs contributed 7 contributions in the above meetings.

### ITU-R

ITU-R WP5D #43 was held from 31 January 2023 to 9 February 2023 in Geneva, Switzerland. A total of 18 Indian delegates registered from 6 organisations namely TSDSI, CEWiT, C-DOT, HFCL, IIT Kharagpur, Tejas Networks.

### ITU-T

ITU-T SG20, in its meeting held on 30 January 2023, has noted that TSDSI's Software Copyright Policy and Trademarks Guidelines are fully compatible with ITU-T's current policies and guidelines on the same.

### Operational Matters

TSDSI GC#41: TSDSI held its 41st Governing Council Meeting online on 23 January 2023. Implementation Oversight Committees (IOC) for SdDR & Industry Task Forces, initiation of Test & Certification Task Force and formation of Global SDO Coordination Groups have been approved. While agreeing in principle to the need of creating a Start-up Community, the GC recommended that this needs to be deliberated and discussed further. The Roadmap Committee is actively participating in the DoT initiative to formulate a Standardisation Roadmap for India. Budget approval was deferred, and an Extra Ordinary GC meeting will be called for this.

TSDSI GBM#19: TSDSI conducted its 19th General Body Meeting online on 24 January 2023. The TSDSI Annual Report FY 2021-22 was released. Budget approval was deferred, and an Extra Ordinary GBM will be called for this.

## Ecosystem

**Standards Driven Research Workshop @COMSNETS 2023:** TSDSI partnered with COMSNETS to conduct a Standards Driven workshop on 8 January 2023. Dr Marco Di Renzo delivered a keynote on Reconfigurable Intelligent Surfaces and standardization workplan at 3GPP and ETSI. Shri K Rajaraman, Hon'ble Secretary- Telecom, in his inaugural address to the conference, acknowledged the role played by Indian Research Community through TSDSI in the development of 5Gi and its integration into 3GPP global 5G standard.

### DoT-TSDSI Micro Workshop Series on 'Advancing 5G towards 6G' (Online)

The aim was to disseminate information about 3GPP Release 19 technology areas and timelines to the Indian technology ecosystem so as to mobilize participation and contribution to the ongoing and future work at 3GPP.

Following workshops were conducted in January 2023:

1. **#Workshop 1: Studies related to 'Mobile Network Services'** (13 January) on satellite communication, network energy efficiency, network sharing and roaming as a service.
2. **#Workshop 2: Studies related to 'Technology and Systems'** (20 January) on AI/ML integrated sensing and communication, ambient intelligence, and intelligent traffic steering.
3. **#Workshop 3: Studies related to 'Vertical Applications and Services'** (27 January) on vertical applications and services area related to Metaverse, UAV/Drones, Future Railways, Smart Railway Services and Ambient Power enabled IoT services.

### TSDSI Outstanding Technical Contributions Award Ceremony

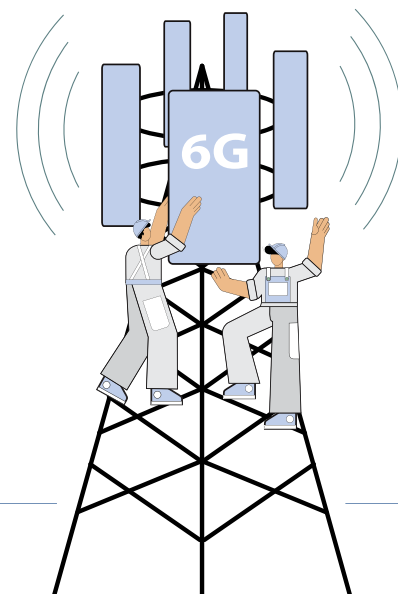
(<https://tsdsi.in/tsdsi-outstanding-technical-contributions-award/>): Awardees of the 2nd Edition of TSDSI Outstanding Technical Contributions Award FY 21-22 were felicitated in the TSDSI General Body e-Meeting #19 on 24 January 2023. Shri Ritu Ranjan Mittar, Sr DDG & Head TEC-DoT, Govt. of India gave away the awards virtually to Dr Abhishek Thakur (IDRBT) and Mr Srinivasan Radhakrishnan (Sooktha Consulting Pvt Ltd). These awards recognize the efforts and contributions of individuals in progressing the development of a standard in TSDSI during the year (April through March).

## Capacity Building

An introductory session on ITU-R WP5D & 3GPP for members of MTSFB was held on 20 January 2023. Dr Sendil Kumar (Ericsson), Mr Jitendra Singh (Qualcomm) and Mr AK Mittal (TSDSI) gave presentations in the workshop on "Introduction to ITU-R and 3GPP meetings".

## Announcements

- Hall of Fame 2022 Awardees were announced in the GBM19: Mr Anindya Saha, Chief Technology Officer, Saankhya Labs Pvt Ltd. – TSDSI Hall of Fame 2022 FELLOW for Technical Excellence and Mr Satish Jamadagni, Sr Vice President – Global Standards, Technology Development at Reliance Jio – TSDSI Hall of Fame 2022 FELLOW for Organization Building.
- TSDSI welcomes Apazuc India Pvt Ltd as an observer member.



## TSDSI Scorecard

Description	For the Month (FTM)		Cumulative Total	
	SGN	SGSS	SGN	SGSS
<b>Technical Activities</b>				
No. of Technical Reports Released	-	-	9	129
No. of Standards Released	1,546	-	7,985	222
<b>Membership Status</b>				
No. of Members	1		104	

## Participation in Meetings of Global Forums

Meeting Name	No. of Meetings	No. of Member Organizations	No. of Contributions
3GPP	11	12	7
ITU	2	6	-
oneM2M	-	-	-

## Upcoming Events

Event Name (Meetings/Workshops/Conferences/Webinars)	Date & Time	Location
ITU-T SG/WP 20: IoT and Smart Cities	30 Jan-10 Feb'23	Geneva, Switzerland
ITU-R WP5D #43	31 Jan'23 – 9 Feb'23	Geneva, Switzerland
Focus Group on Autonomous Networks (FG AN)	2 Feb'23	Online
IEEE Metaverse Congress Bangalore	6 Feb'23	Online
IEEE Standards Association Workshop on Next Generation Connectivity	7 Feb'23	New Delhi, India
DoT-TSDSI Micro Workshop Series on 'Advancing 5G towards 6G': #Workshop 4: Studies related to 'Physical Layer Technologies'	17 Feb'23	Online
oneM2M TP#58	20-23 Feb'23	New Delhi, India
ITU-T Study Group 17 - Security	21 Feb'23 - 3 Mar'23	Geneva, Switzerland
Workshop on "Standards Driven Research" at NCC 2023	23 Feb'23	Hybrid (IIT Guwahati & Online over AIRMEET)
oneM2M Stakeholders' Day	24 Feb'23	New Delhi, India
Mobile World Congress 2023	27 Feb'23 – 2 Mar'23	Barcelona, Spain
ITU-T Focus Group – Metaverse	8 Mar'23 - 9 Mar'23	Riyadh, Kingdom of Saudi Arabia

Click <https://tsdsi.in/events/> to view list of upcoming events for the entire year.

Click <https://tsdsi.in/newsletter/> to read our regular newsletter which shares news about our activities.