



Global Standards Roundup:

3GPP: 3GPP held its Working Group meetings in Toulouse, France from 14-18 November 2022. 48 delegates from 17 TSDSI IMs attended the meetings. A total of 130 contributions were made by TSDSI IMs in different working group meetings.

ITU-T: A demo from IIT Delhi and IIT Bhilai was presented remotely to ITU-T SG13 during the workshop on "Advances in Evolutionary Autonomous Networks: Use Cases, Architecture and PoC" organized in collaboration with Rakuten Mobile on 15 November 2022. This demo was based on **SI 90** (Creation of Edge Intelligence standards for latency and privacy management) and **WI1-NIP 282** (Enhancement of application enablement architecture EDGEAPP (3GPP SA6 WG) with the support of 5GS (5G System) to enable tactile applications with edge intelligence in an Indian deployment scenario). This demo was developed under the Build-a-thon India round, hosted by IIT Delhi and supported by TSDSI, Indo-EU Partnership Project and ITU.

oneM2M: oneM2M held its TP meeting#57 in Hybrid Mode (TTA Premises, South Korea & Online over GoToMeeting) from 28 November – 2 December 2022. The oneM2M Rel 4, which supports various vertical industries such as Smart-X (city, health, transportation, factory) and disaster safety, was ratified. Release 4 comprises 23 detailed specifications and 7 technical reports, which includes SDT (Smart Device Template) 4.0, it guarantees 5G network interworking, the latest edge computing technology interworking and various smart device compatibility, so that objects in various vertical industries enable the provision of an Internet digital convergence platform.

A oneM2M Metaverse IoT workshop was held on 29th November focusing on oneM2M's ongoing work on identifying links between Metaverse & IoT, related use cases and scenarios, and improving interoperability with other paradigms et al.

14 TSDSI IMs (29 members) attended online and 2 IMs (4 members) and 2 Secretariat representatives attended the meeting in-person.

Operational Matters:

TSDSI GC#40: TSDSI held its 40th Governing Council Meeting online on 04 November 2022. The Industry Task Force was extended for 3 months till the next GC in January 2023. The composition of the GC Standing Committees was approved, these alongwith the Terms of Reference (ToR) can be viewed at <https://tsdsi.in/tsdsi-standing-committees/>

Announcements:

Call for Nominations for **TSDSI Hall of Fame 2022** and for **TSDSI Outstanding Technical Contributions Award FY 2021-22** are open till 9th December 2022. Nominations are invited from TSDSI Members to recognise individuals who have made outstanding efforts, contributions or accomplishments of technical nature or for institutional building or raising the reputation of TSDSI in the community.

Ecosystem:

TSDSI Tech Deep Dive 2022 (TTDD 2022): TSDSI organized the 5th Edition of its **Annual Tech Deep Dive (TTDD) Conference 2022** from 7-10 November 2022. The theme of the conference was "Standards for Sustainable Development". The conference inauguration and mega theme session was held in hybrid mode – New Delhi (Jacaranda Hall, India Habitat Centre, Delhi) and Online over AIRMEET, followed by 9 fully online technical sessions.

In his Inaugural Speech at the conference, Shri K Rajaraman Chairman DCC and Secretary (Telecom), Ministry of Communications encouraged TSDSI to work with Policy makers to make changes in policies or introduce new ones that will enable wider participation in Standards.

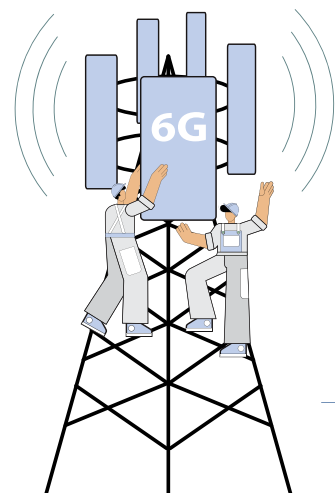
Conference kicked off with mega theme session comprising 4 panel discussions on:

1. Leading the 6G Standards to a sustainable future
2. Integrating Regional use cases and innovation in Global Standards
3. Harmonization of Standards – Lessons from 5G and Way Ahead
4. Role of Standards in achieving Sustainable Development Goals (SDGs)

Followed by 9 Technical Sessions spread over 3 days – each day dwelling on select topics around 6G, applications and horizontal.

Around 120 globally renowned experts delivered keynotes and participated in panel discussions on topics arranged in sub themes: AI/ML based enablers and applications for 6G; 6G Vision, Air Interfaces and Network Architectures; Research Trends in Sensing, Localization and IRS towards 6G; Affordable Ubiquitous Access through Heterogeneous Networks; XR and Immersive Technologies; Broadcast Broadband Convergence; Security – IoT, 5G and Quantum Context; Spectrum for Next Generation Services and Interoperability and Test Beds. It saw a participation of 400+ unique participants including 54 global ones. The individual online session participation ranged from 46 to 151 with onsite participation of 39 for the hybrid session. 18 TSDSI partners and affiliates delivered keynotes and participated in panel discussions during the conference.

Mr Prakash R, Chair - SGN, TSDSI made a virtual presentation on **"5G/B5G/6G in TSDSI"** in the "International Workshop on B5G/6G Standardization" organized by TTA Mobile Communication Technical Committee (TC11) at the Global ICT Standards Conference 2022 on 10th November 2022.



TSDSI Scorecard

Description	For the Month (FTM)		Cumulative Total	
	SGN	SGSS	SGN	SGSS
Technical Activities				
No. of Technical Reports Released	-	-	8	130
No. of Standards Released	-	-	6,439	222
Membership Status				
No. of Members	-		104	

Participation in Meetings of Global Forums

Meeting Name	No. of Meetings	No. of Member Organizations	No. of Contributions
3GPP	15	17	130
ITU	-	-	-
oneM2M	1	16	7

Upcoming Events

Event Name (Meetings/Workshops/Conferences/Webinars)	Date & Time	Location
oneM2M International Conference "The Journey to Massive IoT through Interoperable and Open Standards"	1-2 December 2022	South Korea / Hybrid
8th oneM2M Interop Event	5-7 December 2022	South Korea
SGN TP Meeting#29e	6-7 December 2022	Online
3GPP RAN/SA/CT#98-e	12-19 December 2022	Online
Global Conference on IoT/M2M Growth of the M2M Ecosystem through Standardised Implementations	14-15 December 2022	C-DoT Campus, New Delhi
SGSS TP Meeting#24	20-21 December 2022	Online
"Standards Driven Research in Indian Academia: Achievements, Challenges and Way Forward"@IEEE ANTS 2022	21 December 2022	Gandhinagar, Gujarat

[Click here](#) to view list of upcoming events for the entire year.

[Click here](#) to read our regular newsletter which shares news about our activities.