



Standard on “Cloud Interoperability and Portability” TSDSI STD 5001 V1.0.0 has been approved by TSDSI General Body on 30 June 2023. It covers scenarios of interoperability concerning cellular networks integration of vertical industry data, hybrid cloud management, analytics, data portability and interchange for smart cities, application portability, interoperability architecture, data models and security.

The Following Technical Reports have been published by the Study Group - Services & Solutions:

Technical Report on “Rural Broadband Services & Architecture” TSDSI TR 6023 V1.0.0: It studies use case requirements in the rural setting for key applications that typically require high bandwidth low latency, low bandwidth of IoT/Transactional nature, emergency services and disaster management etc.

Technical Report on “Study of UAV/Drone 3GPP standards applicability to India use cases” TSDSI TR 6025 V1.0.0: It highlights enhancements in the 5G architecture related to UAV/Drone provisioning, identification, tracking, security, application specific network capabilities and deployment models etc. It also provides the status of standards development work in India and global forums, including new features introduced in 3GPP Release 17 to Indian scenarios.

Technical Activities:

TSDSI conducted the June Technical Plenaries for Study group- Networks and Study Group- Services & Solutions in Nokia’s Bengaluru facility and online. 106 experts (including 21 women experts) from 39 member companies of TSDSI joined these Technical Plenary meetings. Proposals for 4 new WIs and 6 new SIs were approved in the meetings.

Global Standards Roundup:

3GPP: 3GPP SA/RAN/CT#100 meetings were held in Taipei from 12-16 June 2023. This included workshops on 3GPP Release 19 - SA and RAN.

TSDSI conducted a workshop on 3GPP Release 19 on 8 June 2023 to create awareness about the 3GPP Release 19 content finalisation process and understand the views & preferences of individual members (IMs) on new release package.

ITU-R: ITU-R WP5D #44 meeting was held from 12-22 June 2023 in Geneva. Recommendation on Framework for IMT-2030 and beyond was finalised in this meeting. TSDSI had submitted contributions related to use cases, vision and KPIs for IMT-2030 towards the development of the above said recommendation.

ITU-T: Meeting of the SG5 (EMF, environment, climate action, sustainable digitalization, and circular economy) was held from 13 June 2023 to 23 June 2023 at ETSI headquarters, Sophia Antipolis, France in hybrid mode.

AI for Good Webinar on “AI – Fuel for the NextGen AR/VR” was organized by AI for Good, ITU on 12 June 2023. Prof. Brejesh Lall, IIT Delhi (TSDSI Member Expert) made a presentation on **“AI – Fuel for the NextGen AR/VR”** in this webinar. Click here to view the recording.

oneM2M: TP#60 was held from 26–30 June 2023 at ETSI, Sophia Antipolis in hybrid mode. A Technical Report on AI enablement to oneM2M was approved in the TP.

oneM2M Global Seminar was organized on 13 June 2023 in hybrid mode with the goal of discussing domestic and international oneM2M solution application cases and key issues such as oneM2M and matter standardization, open source, and certification trends. **Mr Benoygopal E B from CDAC (TSDSI member and oneM2M IM) made a presentation on adoption of oneM2M in ITS domain in the seminar.**

A team from IIIT Hyderabad (TSDSI Member) was awarded the “Best User Application Award” for their project titled “Smart Spaces and Automation” in the 3rd International oneM2M Hackathon organised by KETI and ETSI.

Ecosystem:

ETSI MEC ISG Meeting#34 was held from 26-30 June 2023 in Hybrid mode at Sophia Antipolis, France and online. Prof Arzad Alam Kherani (TSDSI expert, IIT Bhilai) delivered a talk on “Towards Characterizing feasibility of Edge driven split-control in Bilateral Teleoperation of Robots” in this meeting on 29 June 2023, remotely.

Announcements

- **TSDSI Tech Deep Dive 2023** (<https://tdd.tsdsi.in/>) will be held from 3-6 October 2023. The theme of the conference is “6G Horizons: Converging Technologies for a Connected Society”. It will have 6 fully online technical sessions followed by the Conference theme session to be conducted in hybrid mode in New Delhi on 6th October. Participation in the conference is open to all by prior registration at <https://bit.ly/43diT6Z>.
- The TSDSI Awards ceremony will also be conducted on 6 October 2023.

- The nomination window for TSDSI's **Outstanding Technical Contributions Award (FY22-23)** (<https://tsdsi.in/tsdsi-outstanding-technical-contributions-award/>) for SG- Networks and Services & Solutions was open till 12 June 2023.
- TSDSI welcomes Wipro GE Healthcare Pvt Ltd. as a corporate member and Scytale Alpha Ltd. as an observer member.

TSDSI Scorecard

Description	For the Month (FTM)		Cumulative Total	
	SGN	SGSS	SGN	SGSS
Technical Activities				
No. of Technical Reports Released	-	2	10	133
No. of Standards Released	-	1	8,413	223
Membership Status				
No. of Members	2		108	

Participation in Meetings of Global Forums

Meeting Name	No. of Meetings	No. of Participants (No. of IMs)	No. of Contributions
3GPP	11	197	251
ITU	1	7	-
oneM2M	1	7	10

Upcoming Events

Event Name (Meetings/Workshops/Conferences/Webinars)	Date & Time	Location
Launch of Bharat 6G Alliance	3 July'23	Hotel Shangri-La Eros, New Delhi
Meeting of the ITU-T Focus Group on "Artificial Intelligence for Health"	3-4 July'23	Geneva, Switzerland (with remote participation)
Meeting of ITU-T Focus Group on Testbeds Federations for IMT-2020 and beyond (FG-TBFxG)	3-5 July'23	Online
3GPP RAN5 TTCN Workshop#62	6 July'23	Online
National Workshop on Enhancing Indian Participation in Telecom Global Standards Bodies	7 July'23	C-DOT Campus, Mehrauli, New Delhi
Two-Weeks Workshop on 5G Cellular Systems	17-28 July'23	IIIT-Delhi
Workshop on Advances in Optical Communications	22-23 July'23	IIT Madras
ITU-T SG13 - Workshop on "Future technology trends towards 2030"	24-25 July'23	Geneva, Switzerland
ITU-T SG13 meeting	26 July'23	Geneva, Switzerland

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.