



Technical Activities

A **Technical Report on "Enabling of Common Ontology for Adaptive traffic control system and other Intelligent transportation system products"** (TSDSI TR 6029.V1.0.0) has been published by Study Group - Services & Solutions. It focuses on common data payload ontology for traffic controllers and other intelligent transportation products, which will facilitate integration of multi-vendor ITS products and solutions with application software, common smart city platform etc.

Study Group – Networks: The Study Group held its 33rd Technical Plenary meeting on 20-21 December 2023 at IIT Delhi in hybrid mode. Six new Study Items namely Characterization of E-band for point-to-multipoint backhaul (SI117), Enhancement to media access control (MAC) protocols for visible light communication (VLC) in indoor scenarios (SI118), Network Energy Saving functionality of the 5G - Advanced system and its Evolution (SI119), Solar Panel Based Optical Wireless Communication (SI120), Minimum Performance Specs for the Communication Edge (SI121), and Minimum Performance Spec for Mobile Devices (SI122) were approved.

Study Group – Services & Solutions: The Study Group held its 28th Technical Plenary meeting on 20-21 December 2023 at IIT Delhi in hybrid mode. A new Study Item on Cost model considering network assets and utilization (NIP334) was approved.

Strategic Initiatives

TSDSI's TRIP Forum for Automated Electric Road Transportation organised a **Workshop on "Autonomous Road Transportation for Indian Scenarios"** on 22 December 2023 at IIT Delhi (in hybrid mode). Its goals were to share current international and domestic scenarios, including the ICT aspect of automated road transportation and to deliberate upon the status of automated and electric road transportation, including associated communications infrastructure. The workshop was attended by 55 attendees, comprising stakeholders from the government, regulators, OEMs, research organisations, automotive associations, telecom service providers, academia, and vehicle electronics manufacturers.

TSDSI organised the Standards Driven Research Workshop at IEEE ANTS 2023 at MNIT Jaipur on 18 December 2023. 3 papers shortlisted by the workshop Technical Program Committee were presented in the workshop.

Global Standards Roundup

3GPP: SA/RAN/CT#102 meetings were held in Edinburgh from 11-15 December 2023. The content of Release 19 was finalised in this meeting.

ITU-T: World Radiocommunication Conference 2023 was held from 20 November to 15 December 2023 in Dubai. Some TSDSI members participated in the meeting as part of the Indian delegation.

oneM2M: TP #62 was held on 4-8 December 2023 in Tokyo, Japan & online. The meeting was attended online by 18 delegates from TSDSI.

oneM2M Industry Day was hosted by ARIB and TTC in conjunction with the oneM2M TP#62 meeting on 6 December 2023 in Tokyo, Japan (hybrid mode). More than 30 delegates attended in person and approximately 52 delegates joined in online mode. Please click [here](#) for more details.

Ecosystem

Mr A K Mittal- Advisor, TSDSI, delivered a talk on "TSDSI, 3GPP and ITU Activities" in a workshop on "5G and Beyond: Looking over the Horizon" organised by IIT Bombay from 4-8 December 2023 on its campus. For more details, click [here](#).

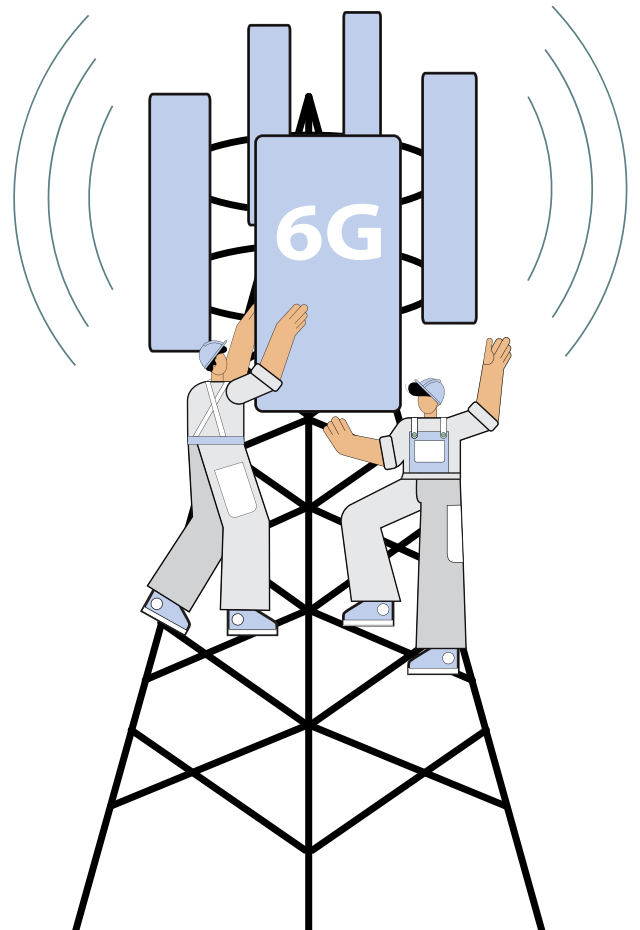
Mr N Mohanram- Director General, TSDSI and Mr Vijay Madan- Advisor & Mentor, Services & Solutions, TSDSI, delivered talks in the 4th edition of "Indo-European Conference on Standards & Emerging Technology" held on 7 December 2023 in hybrid mode at the Hotel Lalit, Barakhamba Road, New Delhi.

Announcements

TSDSI welcomes L&T Technology Services Limited as an observer member.

Operational Matters

TSDSI Governing Council held its 45th meeting in online mode on 18 December 2023. TRIP forums on IoT/M2M, Quantum Communications have been granted an extension till March 2024 and TRIP forum on Automated Electric Road Transportation has been extended till June 2024.



TSDSI Scorecard

Description	For the Month (FTM)		Cumulative Total	
	SGN	SGSS	SGN	SGSS
Technical Activities				
No. of Technical Reports Released	-	1	12	135
No. of Standards Released	-	-	8,821	223
Membership Status				
No. of Members	1		122	

Participation in Meetings of Global Forums

Meeting Name	No. of Meetings	No. of Participants	No. of Contributions
3GPP	5	27	42
ITU	2	-	-
oneM2M	2	21	-

Upcoming Events

Event Name (Meetings/Workshops/Conferences/Webinars)	Date & Time	Location
16 th International Conference on COMMunication Systems & NETWORKS	3-7 Jan'24	Bengaluru
Workshop on Standards-driven Research @ COMSNETS 2024	7 Jan'24	Bengaluru
25 th International Conference on Distributed Computing and Networking	4-7 Jan'24	Chennai
TSDSI Roadmap 3.0 Workshop	16 Jan'24	Online
ITU-T: FG-AN	18 Jan'24	Online
SG11 working Parties 1,2,3,4	29 Jan - 7 Feb'24	Online
ITU-R WP5D Meeting	31 Jan - 7 Feb'24	Geneva, Switzerland
ITU-T FG-TBFxG Meeting	14-16 Feb'24	Online
Second International Quantum Communication Conclave	15-16 Feb'24	New Delhi
ITU-T SG17 - Security	20 Feb - 1 Mar'24	Geneva, Switzerland
oneM2M TP #63	26 Feb - 1 Mar'24	Germany & Online
National Conference on Communications 2024	28 Feb - 2 Mar'24	IIT Madras

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.