



FEBRUARY 2023

Technical Activities

Technical Report on Digital Process For Know Your Machine Custodian (TSDSI TR 6013 V2.0.0) was published by Study Group Services & Solutions. This report establishes a trust and compliance framework for M2M device and custodian verification including unique characteristics of M2M connections and its ownership & requirements for the verification of these connections. First version of this report was published in September 2021.

Global Standards Roundup

3GPP: 15 meetings of 3GPP Sub Working groups were held in Athens, Greece in February 2023 where 22 TSDSI IMs participated and made 296 contributions.

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

ITU-T: A new ITU-T SG20 Regional Group for Asia Pacific (SG20RG-AP) has been approved in the SG20 plenary meeting that took place on 8 February 2023. This was based on the contribution from the Ministry of Communication (India), which was supported by TSDSI.

ITU-T Focus Group on Autonomous Networks (FGAN) met on 1-2 February 2023. A Technical Report on Proof of Concepts (PoCs) was agreed to be submitted to the parent group (SG13). Input contributions from TSDSI members (Nokia, TCS, IIT Bhilai) and University of Kashmir, developed under the Build-a-thon India round, hosted by IIT Delhi (with support from TSDSI, Indo-EU Partnership Project and ITU) will be included in the report.

oneM2M: oneM2M TP 58: TSDSI hosted the oneM2M 58th Technical Plenary in Hybrid mode in New Delhi and online from 20-23 February 2023, with support from the India EU Partnership Project. The TP was attended by 60 delegates from 24 member organizations (in person and remote). The TP included sessions on "oneM2M engagement with Universities" and an orientation for newbies.

oneM2M Stakeholders' Day: A one day oneM2M Stakeholders' Day workshop was organised by TSDSI at the end of the oneM2M TP meetings, on 24 February in New Delhi, with support from the India EU Partnership Project. The workshop was attended by 48 participants in person and 78 participants in online mode from India and abroad. The participants included local players (market, verticals, policymakers, regulatory agencies, startups) and oneM2M technical experts, who interacted closely and deliberated on India specific requirements, local innovations and solutions. It also had demonstrations by those who have adopted oneM2M for their vertical application / use cases in various sectors.

Ecosystem

SDR@NCC 2023: TSDSI organized a Standards Driven Research Workshop on 23rd February 2023 as a part of the National Communications Conference (NCC 2023), in IIT Guwahati in hybrid mode. The goal was to engage with academia and research community and to motivate the research community to take up research topics that can lead to downstream development of standards. It identified challenges faced by academicians in doing standards driven research and made recommendations for addressing the same. The workshop had 4 technical sessions - Cyber-physical system; Sustainability, Trust, Security and Resilience; Defeat Digital Divide and Ubiquitous Intelligent Mobile Connected Society.

DoT-TSDSI joint workshop series on 'Advancing 5G towards 6G' Workshop 4: The fourth micro-workshop in the series was conducted on 17 February 2023 in partnership with IIT Kanpur focussing on 3GPP Studies related to 'Physical Layer Technologies'. The workshop introduced the audience to the latest physical layer technologies from RAN1 (physical layer) perspective which have the potential to be a part of 3GPP Release-19 and beyond releases towards 6G.

IEEE Standards Association Workshop on Next Generation Connectivity: TSDSI partnered with IEEE and DoT to conduct a "Workshop on Next Generation Connectivity" on 7th February in New Delhi. Apart from other activities, a key topic of discussion was the recently published IEEE Standard 1930.1 (SDN based middleware for control and management of wireless networks) which has been spearheaded by TSDSI Member – Mr Pranav Jha.

Capacity Building

NTIPRIT Mid-Career Training Program for ITS officers: TSDSI conducted an induction session on "Role of TSDSI" for Mid-Career Training Program for ITS officers with 25 years+ service on 9 February 2023 in person at the NTIPRIT ALT Campus, Ghaziabad. The session provided an overview of TSDSI – including the technical groups structure, processes and a brief on the Standardisation Ecosystem. Maj Gen (Dr) Pritam Bishnoi (Technical Consultant – Study Group Network, TSDSI) and Ms Shefali Sinha (MARCOM Consultant, TSDSI) conducted the session.

Thought Leadership

An article on "Taking the Lead: Scripting India's global journey towards 6G standards" by Ms Pamela Kumar, Director General, TSDSI, was published in tele.net magazine. The full article can be viewed at: <https://bit.ly/422EaQz>.

Announcements

TSDSI welcomes ESDS Software Solutions 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	-	1	9	130
No. of Standards Released	-	-	7,985	222
Membership Status				
No. of Members	1		105	

Participation in Meetings of Global Forums

Meeting Name	No. of Meetings	No. of Member Organizations	No. of Contributions
3GPP	15	22	296
ITU	2	8	-
oneM2M	1	24	7

Upcoming Events

Event Name (Meetings/Workshops/Conferences/Webinars)	Date & Time	Location
Session on "Smart Communication Solutions for Smart Utilities and Smart Cities" @ India Smart Utility Week (ISUW) 2023	1 Mar'23	New Delhi, India
ITU-T SG3: Economic and policy issues	1 – 10 Mar'23	Switzerland, Geneva
Hall of Fame 2022 Awards Ceremony	3 Mar'23	New Delhi, India
ITU-T Focus Group on metaverse (FG-MV)	8-9 Mar'23	Online
ITU-T SG13 Meeting	13-24 Mar'23	Geneva, Switzerland
SGN Technical Plenary meeting#30e	14-15 Mar'23	Online
SGSS Technical Plenary meeting – SGSS_TP#25	16-17 Mar'23	Online
3GPP RAN/SA/CT#99	20-24 Mar'23	Rotterdam, Netherlands
FG-AI4H: Focus Group Meeting FG-AI4H	21-24 Mar'23	Cambridge, United States
First International Quantum Communication Conclave	27-28 Mar'23	Vigyan Bhawan, New Delhi
ITU-T Focus Group on Testbeds Federations for IMT-2020 and beyond (FG-TBFxG)	27-29 Mar'23	Online

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.