



Congratulations to experts from TSDSI membership and DoT, TEC, NTIPRIT for being elected to leadership positions in ITU-T: Dr Pradipta Biswas (IISc), Mr Sudipta Bhaumik (STL), Mr Ritu Ranjan Mittar (TEC), Mr Vijay Kumar Roy (DoT), Mr SK Mishra (DoT), Mr Abhay Shanker Verma (TEC), Mr Ashok Kumar (NTIPRIT), Mr Pushpendra Kumar Singh (DoT). This is a recognition of the contributions of these experts in development of global standards and a major milestone in India's Standardisation Journey.

## Technical Activities

**Study Group-Networks TP Meeting:** The Study Group held its 26<sup>th</sup> Meeting online on 8-9 March 2022. NIP on Functional Split and Fronthaul Interface in FBS Driven C-RAN for 5G and Beyond (NIP 270) was approved as a Work Item with Study Phase. New Contributions on Generic Relay Architecture for 5G & beyond, Evaluation of coexistence between FSS & IMT in 6GHz spectrum, VLC/LiFi, Characterization of E-band Transmission in India, Dynamic Joint Deployment of SDN Controllers and Hypervisors for Softwarized 5G and Beyond were submitted in this plenary.

**Study Group-Services & Solutions TP Meeting:** The Study Group held its 4<sup>th</sup> Meeting of FY 21-22 online on 28-29 March 2022. Two New Item Proposals on National Language Preference Repository for Indian Mobile Users and a database of icons and terms in Indian languages for financial transactions were approved. New Contributions on PPDR, Need for PQC in 5G networks, Rural Broadband Services & Architecture, Study of Edge Intelligence Standards for haptics related IIoT use cases and study of UAV/Drone 3GPP standards applicability to Indian use cases were agreed in this plenary.

## Strategic Initiatives

**Roadmap Workshop:** A workshop was held on 10 March 2022 for further expansion of the number of subtopics under various clusters of Roadmap 2.0 to cover the significant defining aspects of such clusters for further technical studies and standardization. The workshop attended by 117 participants discussed 14 proposals. All of which received encouraging support from TSDSI members.

## Global Standards Roundup

**3GPP:** 5Gi and 3GPP 5G merger was finalized in RAN#95e held in March 2022. 3GPP has initiated the work on Release 18. The next TSG meetings in June 2022 will be held Face to Face in Budapest.

**ITU-T:** The World Telecommunication Standardization Assembly (WTSA-20) was held in Geneva, Switzerland, from 1-9 March 2022, marking the start of the 2022-2024 study period. The updated TSB Circular 1 (<https://bit.ly/3EoPif9>) provides general information on ITU-T activities for the new study period, including updated working methods, areas of responsibility of each study group, and names and affiliations of

leaders elected at WTSA-20. ITU organized its second Women in Standardization Expert Group (WISE) event (<https://bit.ly/3OkcGit>) on 8 March 2022 as part of the WTSA.

**Collaboration on ITS Communication Standards (CITS):** ITU-T Collaboration on ITS Communication Standards held its e-meeting on 18 March 2022. Mr Sharad Arora, Chair SGSS and Co-Chair Outreach Committee (Founder Director Sensorise Digital Services) presented a Status Report on behalf of TSDSI.

**ITU Focus Group on "Artificial Intelligence (AI) and Internet of Things (IoT) for Digital Agriculture" (FG-AI4A):** ITU-T has started a new Focus Group on "Artificial Intelligence (AI) and Internet of Things (IoT) for Digital Agriculture" (FG-AI4A). The FG held its first online meeting on 30-31 March 2022.

**oneM2M:** Ms Bindoo Srivastava, Director – MARCOM & Partner Relations has been elected as the oneM2M MARCOM Chair. 2 agreed contributions were submitted by CDOT in the SDS WG meeting in March 2022.

## Operational Matters

**TSDSI GC#36:** TSDSI held its 36<sup>th</sup> Governing Council Meeting online on 7 & 30 March 2022. Budget for FY22-23 and a proposal to undertake continuous transposition of all the active 3GPP specifications including their quarterly updates were approved. ToRs of newly formed Task Forces on StanDards Driven Research (SDDR) Strategy and Industry have been approved. An Implementation Oversight Committee to oversee execution of Global SDO Strategy TF has been approved for a period of 2 years. An MoU with SIA India has been approved.

## Ecosystem

**TSDSI - NTIPRIT webinar on "Participation and Contribution in ITU and 3GPP" (<https://bit.ly/3Eo1UDq>):** A webinar on "Participation and Contribution in ITU and 3GPP" was organized by TSDSI and National Telecommunications Institute for Policy Research, Innovation and Training (NTIPRIT) on 15 March 2022. It was held to spread awareness about the process of contributions and opportunities for Start-ups, established industries, academia and professionals to be part of the standards development process.

**Seminar on "Smart Communication Solutions for Smart Utilities and Smart Cities" @ India Smart Utility Week (ISUW) 2022 (<https://bit.ly/37ukFJf>):** TSDSI in partnership with ISGF (India Smart Grid Forum) and TEC organized a seminar on "Smart Communication Solutions for Smart Utilities and Smart Cities" on 3 March 2022 in the India Smart Utility Week (ISUW) 2022 Conference. This seminar looked at the enablement for smart utilities and smart cities from additional RF Spectrum, 5G technologies and new standards.

**TSDSI @ ET Telecom 5G Congress (11 March 2022):** Mr NG Subramaniam, Chair TSDSI (Chief Operating Officer TCS) gave a special address on India's AtmaNirbhar Roadmap for Next Generation Technologies. Dr Rajkumar Upadhyay, Co-Chair Outreach Committee TSDSI (Executive Director & Chairman C-DoT) and Prof Abhay Karandikar Former Chair

TSDSI (Director IIT Kanpur) shared their views in a Panel Discussion on "India's AtmaNirbhar Roadmap for 5G & 6G: Standards, Academia and Industry"

Ms Pamela Kumar, DG TSDSI, participated in the "Panel Discussion: Readiness Vs Reality of 5G in India. Are We There Yet?" at the Convergence India Expo 2022 on 23 March 2022.

## TSDSI Scorecard

Description	For the Month (FTM)		Cumulative Total	
	SGN	SGSS	SGN	SGSS
<b>Technical Activities</b>				
No. of Technical Reports Released	-	-	6	87
No. of Standards Released	-	-	2,633	136
<b>Membership Status</b>				
No. of Members	-		91	

## Participation in Meetings of Global Forums

Meeting Name	No. of Meetings	No. of Member Organizations	No. of Contributions
3GPP	5	23	55
ITU	2	6	0
oneM2M	5	1	2

## Upcoming Events

Event Name (Meetings/Workshops/Conferences/Webinars)	Date & Time	Location
DoT- TSDSI Webinar Series on "IoT/M2M Applications for Verticals: Webinar on Transportation"	07 Apr 2022 14:30-17:15 IST	Online
TSDSI-ITU Webinar#5: Terrestrial/Non-Terrestrial Technologies for Rural & Remote Areas	18 Apr 2022 09:30-12:00 IST	Online
ITU-R WP5D (WG Spectrum Meeting)	19-22 Apr 2022	Geneva, Switzerland
TSDSI- DoT- TEC Joint Workshop on 5G Advanced and Beyond	25 Apr 2022	Online
TSDSI-NTIPRIT Webinar on 5G Use Cases in Power Sector	27 Apr 2022 10:00-13:30 IST	Online
oneM2M Sustainability Sub Committee e-Meeting	28 Apr 2022	Online

Click <https://bit.ly/3rHKDjS> to view list of upcoming events for the entire year.

Click <https://bit.ly/3sBb9dQ> to read our regular newsletter which shares news about our activities.