

## **TSDSI Induction Program**

### **Study Group Networks**

**Satish Jamadagni  
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## Chair



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# SGN Technical Plenary Meetings held during the period after the last GC meeting in February 2021

Venue	Type	Date	No. of Member Organizations participating/No. of Participants (Excluding Secretariat Staff)
Online	E-Meeting	30 <sup>th</sup> & 31 <sup>st</sup> March 2021	25/46 (2 Guest and 1 Observer member)

Total number of SGN TP meetings held in FY 20-21: 6

The next SGN Technical Plenary meeting is scheduled on 24<sup>th</sup> and 25<sup>th</sup> May 2021

# Update on New Items Proposals (1/2)

- **Active NIPs in the form of Study/Work Items: 17**

SNo.	Active Study Items
1)	6 GHz spectrum for license-exempt wireless applications in India
2)	6 GHz spectrum for IMT applications in India
3)	Improving data capacity & experience as per NDCP vision
4)	Dynamic Spectrum Access
5)	Use cases, requirements and technologies towards 6G
6)	Enhancements in flexible UL-DL resource utilization in Release 17
7)	Dynamic joint deployment of SDN Controllers and Hypervisors
8)	Virtualization for Open-Disaggregated RAN- Sooktha
9)	NB-IoT Performance Assessment for Metering and SCADA
10)	Bandwidth aggregation for 5G TV Broadcast from the co-located UEs: A physical layer prospective with FeMBMS and downlink broadcast control channel.
11)	UAV Assisted C-RAN for 5G and beyond

[Click here to view all Study Items](#)

# Update on New Items Proposals (2/2)

SNo.	Active Work Items
1)	Extension of Broadcast Offload
2)	Evaluation of the existing IAB architecture in 5G Networks
3)	Characterization of E-band for 4G/5G Backhaul & Rural Broadband
4)	Deployment Option-6 as a 5G NR SA mode
5)	Fixed and Mobile Convergence with 5G Core
6)	IMT 2020 RIT/SRIT submission to ITU-R

[Click here](#) to view all the Work Items

# Update on Contributions for Study/Work Item

**Contributions received after the last GC meeting (In March 2021 TP)**

Sno.	SWIP No.	SWIP Title
1	SWIP 704	TR update on enhancement of flexible UL/DL resource utilization
2	SWIP 711	Status Report for SI 70
3	SWIP 712	Status Report for SI 73
4	SWIP 713	Status Report on SI 74
5	SWIP 714	UAV Assisted C-RAN for 5G and Beyond
6	SWIP 715	Bandwidth aggregation for 5G TV Broadcast from the co-located UEs: A physical layer prospective with FeMBMS and downlink broadcast control channel
7	SWIP 716	Email discussion summary on TSDSI NIP226

[Click here to view all SWIPs](#)

# Technical Reports Released

Reports released by SGN	Publish Date
Performance Requirement Measurements for Dual SIM (TSDSI TR 6003 V1.0.0) [SI65]	September 2019
Channel Characteristics of 60GHz for 4G/5G Backhaul (TSDSI TR 6004 V1.0.0) [SI 59]	September 2019
Broadcast offload (TSDSI TR 6002 V1.0.0) [SI 63]	September 2019
NB-IoT capabilities for Energy Metering (TSDSI TR 6009 V1.0.0) [SI 79]	March 2021

[Click here](#) to view all Reports

# Category wise breakup of NIPs

Sno.	Category	Active Items
1	Spectrum/Spectrum studies	3
2	5G Enhancement and 6G	8
3	Open Systems	1
4	IOT	2
5	Backhaul	3

[Click here to view all NIPs](#)



# Major Focus Areas for 2021-2022

1. 6G
2. Spectrum Studies
3. Broadcast offload
4. 5G enhancements
5. NSGM Requirements/IOT
6. Contribution to ITU-R WP5D for Future Technology Trends and IMT Vision document.

# Thank You

## Study Group-Networks