



TSDSI has published a standard on “A Generic Relay Architecture for 5G and Beyond”: This Standard defines a new 5G relay architecture using 3GPP elements featuring gNodeB Centralized Unit (gNB-CU) and Distributed Unit (DU) split for relay nodes serving User Equipments (UEs) via NR-Uu interface. The backhaul uses 5G Protocol Data Unit (PDU) sessions, with donor nodes having gNB-CU with additional N6 interface with a User Plane Function (UPF) to facilitate PDU session connectivity with the relay nodes. The architecture supports UE and relay mobility, multi-hop setups, and use cases like (Vehicle Mounted Relays) VMRs and (Uncrewed Aerial Vehicle) UAV-based relays, extendable to Multi-Radio Access Technology (Multi-RAT) relays. The standard can be viewed [here](#).

Technical Activities

Study Group – Services & Solutions: The group has approved a new Study Item (SI138) on Use Cases for Rural Connectivity depicting multibeam E-band radios as a potential solution for sustainable, efficient, and reliable wireless backhaul in rural broadband infrastructure (based on NIP355).

SGSS WG3 - Services Architecture and Framework conducted a formal conference call meeting on 6 June 2024. The SGSS group conducted a formal conference call meeting on 28 June 2024.

Study Group – Networks: The group approved a Liaison statement (LS) and sent to ITU-T JCA-IMT 2020 in response to their LS dated 9 April 2024, providing inputs for the ITU-T standardization roadmap of IMT2020 and beyond.

Global Standards Roundup

3GPP: 3GPP RAN/SA/CT #104 meetings took place from 17-21 June 2024 in Shanghai, China.

TSDSI is hosting the SA working group meeting in Hyderabad from 14-18 Oct 2024. Call for sponsorships to support this meeting is now open. Please visit [here](#) for details.

ITU-R: The WP 5D meeting commenced on 25 June in Geneva in hybrid mode. Among the 7 registered TSDSI delegates, 4 attended the meeting in-person.

oneM2M: The oneM2M Technical Plenary Meeting #65 took place online from 24-28 June 2024. oneM2M's Release 5 is currently projected to be finalized by Q1 of 2025.

Announcements

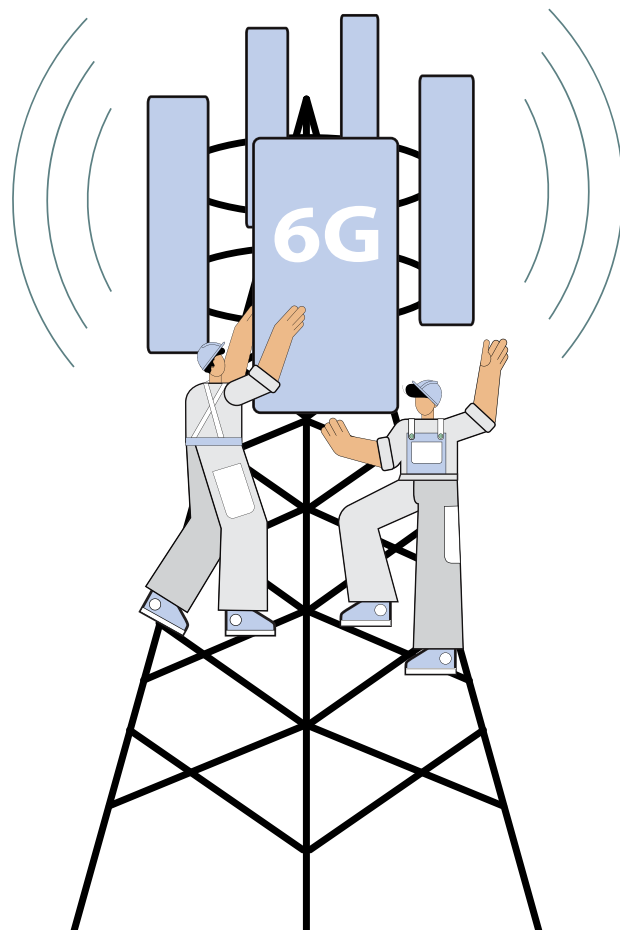
TTDD2024:

TSDSI proudly announces the 7th edition of our Annual Flagship Conference - TSDSI Technical Deep Dive (TTDD2024), scheduled to take place from 16-19 July 2024. It will have 6 fully online technical sessions followed by a hybrid conference theme session in New Delhi/online.

Find out more - TSDSI Tech Deep Dive

TSDSI welcomes Indian Institute of Technology, Ropar as Corporate Member and MV Mobility Limited as Guest Member.

An **Induction Session** for newly joined members of TSDSI was conducted on 20 June 2024. It covered key aspects such as the TSDSI Standardization process, technical activities, and the global standards landscape including entities like 3GPP, ITU, and oneM2M.



Events and Meetings in the period Jul-Sep 2024

Event Name (Meetings/Workshops/Conferences/Webinars)	Date	Location
ITU-R RRB-24.2, WP5D #46	24 Jun'-2 Jul'24	Geneva, Switzerland
ITU-T SG20, SG15	1-12 Jul'24	Geneva, Switzerland
SGN TP #35, SGSS TP #30, Workshop on 6G Application and Services	8-9 Jul'24	Online
3GPPSA3 #94-LI, SA6#62-Ad Hoc-e	9-18-Jul'24	Amsterdam
ITU-T SG3	9-18 Jul'24	Geneva, Switzerland
ITU-T SG17	11-12 Jul'24	E-meeting
ITU-T SG13	15-26 Jul'24	Geneva, Switzerland
TSDSI Tech Deep Dive (TTDD 2024)	16-19 Jul'24	Online + Hybrid (New Delhi)
3GPP SA2#164, SA3#117, SA4#129-e, SA5#156, SA6#62	19-23 Aug'24	Maastricht+online
11 th 5G Global Event Meeting being hosted by TSDSI	29-30 Aug'24	New Delhi, India
IET Future Tech Congress 2024	2 Sep'24	Bengaluru, India
3GPP CT/RAN/SA #105	9-13 Sep'24	Melbourne, AU
oneM2M TP #66	9-13 Sep'24	Hybrid
SEMICON 2024	11-13 Sep' 24	Greater NOIDA
ITU-R WP7- A/B/C/D	16-27 Sep'24	Almaty (Kazakhstan)
ETSI MEC#39 ISG	16-20 Sep'24	China + Online

Click [here](#) to view a list of upcoming events for the entire year.

Click [here](#) for previous bulletins. Visit [here](#) to read our semi-annual newsletter.