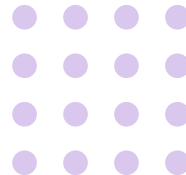




Research and Standardization @ Tejas

Jishnu Aravindakshan

Head of standardization/*Principal Architect,*
CTO's Office, Tejas Networks
India delegate, 6G/IMT2030



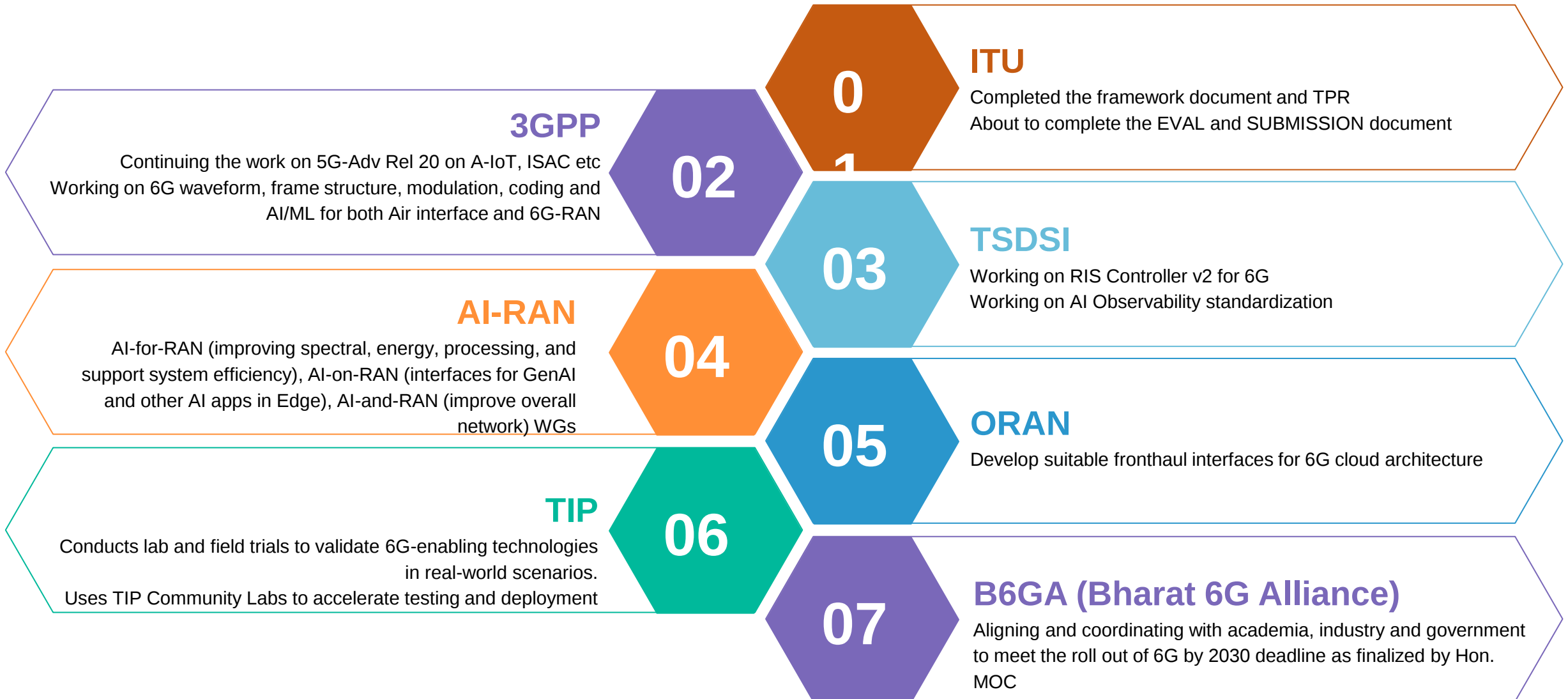


- Implemented and display of Reconfigurable Intelligent Surface (RIS) for 5G/6G FWA along with 64T64R in 3.5 GHz band at IMC 2025
 - Inaugurated by Hon Union Minister of Communications (MOC) and Development of the North Eastern Region (DoNER)
- TJ1600-D3 launched by Hon'ble Union Minister of Communications (MOC) and Development of the North Eastern Region (DoNER) at Mobile World Congress (MWC) 2026, Barcelona, Spain
 - Next generation low latency, high-throughput data center interconnect (DCI) which scales from 400G to 1.2T per wavelength and scaling up to 51.2 Tbps of shelf capacity to handle high amount of Agentic AI and Physical AI's EAST-WEST 6G Traffic.
- Recorded video demo of ISAC channel modelling done for drone detection in MWC 2025



- Tejas made 185+ contributions to 3GPP in FY26 contributing to the Bharat 6G Vision of being a net technology provider in 6G!
 - Tejas scaled to a 20+ contributing team (10+ 3GPP front ending team).
 - Working jointly for adding LMLC (Low Mobility Large Cell) and SCLC (Single Cell Large Coverage) scenarios (4.14) from India
 - Working on topics like AI/ML for AI & NG-RAN, 6G IoT, 6G FWA, EE, 6G waveform, channel coding, JCCM, WUS, NTN
- Tejas worked with IITM, IITH, CEWIT, HFCL towards both ITU-R WP5D documents on IMT-2030 Framework and TPR
 - Introduction of a new usage scenario called ubiquitous connectivity usage scenario in Framework
 - Introduction of capabilities like coverage, energy efficiency (sustainability), interoperability in Framework
 - Finalization of quantifiable TPRs like SE, Positioning, Sensing etc
 - A new qualitative TPRs like Energy Efficiency, Link Distance
 - Supported by DOT (TEC/WPC) and Permanent Mission of India in UN

6G Standards: Tracking/Contributing





Thank You



Contact Us

jishnu@tejasnetworks.com