



Government of India
Ministry of Communications
Department of Telecommunications
Telecommunication Engineering Centre (TEC)

Radio Division is organizing a Workshop on

"Advanced Satellite Communication Technologies and Service Quality Benchmarking"

Date: 18th June, 2026 (Thursday)

Time: 10:00 AM – 01:15 PM

Joining link:

<https://cdotmeet.cdot.in/vmeet/rooms/ibi-kc5-6ea-uhw/join>



Venue

**'Manak' Conference Hall, Ground Floor, TEC, Khurshid Lal Bhawan,
Janpath, New Delhi.**

About the Workshop

The workshop on "Advanced Satellite Communication Technologies and Service Quality Benchmarking" aims to discuss emerging developments in Satellite Communications, including Non-Terrestrial Networks (NTN), Satellite-enabled 5G/6G systems, and evolving connectivity ecosystems. The workshop will provide insights into deployment scenarios, QoS/QoE benchmarking methodologies, interoperability aspects, and global best practices for Satellite broadband services. It will also facilitate discussions on challenges, opportunities, and future directions for integration of satellite and terrestrial communication networks



Workshop Schedule

Time	Inaugural Session	Speaker
10:00 AM – 10:10 AM	Welcome Address	Shri Rakesh Desai, DDG (Radio), TEC
	Opening remarks	Shri Syed Tausif Abbas, Sr. DDG & Head, TEC
	Keynote Address	Shri Shubhendu Tiwari Advisor(T), DoT HQs
Technical Session		
10:10 AM – 10:40 AM	Overview of Satellite Communication and Emerging Satellite Technologies including Non-Terrestrial Networks (NTN)	Ms. Sonali Nanda, Deputy Director, IN-SPACe
10:40 AM – 11:10 AM	Spectrum Sharing in the context of NTN	Dr Prof Swades De IIT Delhi
11:10 AM – 11:30 AM	Satellite-enabled 5G/6G Non-Terrestrial Networks: Technology Trends, Integration Challenges, and Quality of Service Perspective	Mr. Antonio Franchi, European Space Agency
11:30 AM – 01:10 PM	Operator/OEM Presentations on Deployment Scenarios, Technological Advancements, Global References in QoS, Challenges and Opportunities in Satellite Communications followed by Q&A	<ul style="list-style-type: none">• Amazon Kuiper Services India Private Limited• JIO Satellite Communications Limited• OneWeb India Communications Private Limited• Starlink Satellite Communications Private Limited
01:10 PM – 01:15 PM	Conclusion & Way forward	Mr. Vineet Malik, Director(Radio), TEC



Ms. Sonali Nanda
Deputy Director, PMA Directorate
IN-SPACE

Ms. Sonali Nanda has over 15 years of experience in satellite communications, including management of INSAT/GSAT and foreign satellite transponder services. She has worked extensively on satellite business development, strategic projects, and regulatory matters during her tenure with Antrix Corporation Limited. Presently, she serves as Deputy Director at IN-SPACE, contributing to programme management and authorisation activities.



Dr. Swades De
Professor, Department of Electrical Engineering
Indian Institute of Technology Delhi (IIT Delhi)

Dr. Swades De is a leading researcher in communication networks, wireless systems, and non-terrestrial networks. His research spans spectrum sharing, IoT, and next-generation 5G/6G technologies. He has authored over 270 research papers and leads the Communication Networks Research Group at IIT Delhi.



Mr. Antonio Franchi
Head, Space for 5G and 6G Strategic Programme
European Space Agency (ESA)

Mr. Antonio Franchi heads the Space for 5G and 6G Strategic Programme at the European Space Agency. With nearly three decades of experience in the telecommunications industry, he has led the development and deployment of advanced satellite systems and networks. He is an author of numerous international publications and holds several patents in satellite communications.



Mr. Faheem Faique Shaikh
Lead – Licensing and Regulatory Affairs
Amazon Kuiper Services India Private Limited

Mr. Faheem Faique Shaikh is a telecommunications and satellite communications professional with over 16 years of industry experience. He has held key positions at leading organisations including Bharti Airtel, Reliance Jio, and Indus Towers. At Amazon Kuiper, he contributes to the deployment of next-generation LEO satellite broadband services.



Mr. Prafulla Kumar
VP (Tech) and Product Head (Satcom)
JIO Satellite Communications Limited

Mr. Prafulla Kumar is an expert in satellite communication technologies with extensive experience in GSO and NGSO satellite networks. Prior to joining Reliance Jio, he served in ISRO for about 15 years. His expertise spans satellite payloads, ground systems, spectrum management, and ITU-R activities.



Mr. Rahul Vatts
Director
OneWeb India Communications Private Limited

Mr. Rahul Vatts is a telecom policy and regulatory expert with nearly three decades of industry experience. He currently serves as Chief Regulatory Officer at Bharti Airtel and Director at OneWeb India. He has played a significant role in global policy discussions on spectrum management, licensing, and emerging digital technologies.



Mr. Parnil Urdhwareshe
Director
Starlink Satellite Communications India

Mr. Parnil Urdhwareshe is an accomplished public policy and regulatory affairs professional with extensive experience in telecommunications and digital infrastructure. At Starlink, he leads market access, regulatory engagement, and stakeholder outreach initiatives in India. He has worked extensively on spectrum policy, technology governance, and emerging communication technologies.