

File No. 6-24/2024-IR
Government of India
Ministry of Communications
Department of Telecommunications
(International Relations Wing)

Dated 13th March 2025

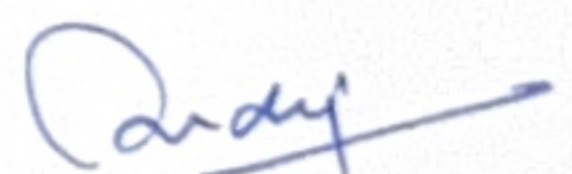
OFFICE MEMORANDUM

Subject: Prioritization of ITU-T Study Group Questions for Future Contributions

As directed, the IR Wing has identified priority questions from each ITU-T Study Group for future contributions. Given our limited resources, prioritizing these questions will help focus efforts on strategically important areas, ensuring more meaningful contributions.

2. The prioritization exercise was conducted based on the following factors:
 1. Number of contributions made in each question (2022-25)
 2. Rapporteur/Associate Rapporteur positions held by India (2022-25)
 3. Topics of strategic interest
 4. Inputs from the nodal office (TEC)
3. The list of identified priority questions, as approved by Secretary (T), is attached for reference. This list will be reviewed quarterly in consultation with Member (S) and TEC to ensure alignment with evolving national priorities.
4. Currently, participation in ITU work is largely limited to officials in DoT HQ and TEC. To broaden engagement, field officers should also be actively involved. We may consider establishing a responsibility centre for each question to streamline contributions and ensure sustained participation.
5. To track progress effectively, Member (S) and TEC are requested to review the prioritized ITU-T questions and present updates to Secretary (T) every quarter. The IR Wing will prepare a template, coordinate these reviews, and convene the first presentation in April 2025 for the January-March 2025 quarter.

Encl: As above


Sandeep Kumar Gupta
Director (IR-2)

To,

1. Member (Services), DCC, DOT, Sanchar Bhawan, New Delhi
2. Sr. DDG (TEC)
3. Chairpersons of the NWGs for ITU-T

List of identified priority questions in each Study Group of ITU-T

1. **SG2** **Operational Aspects**
 - a. Q1/2 Application of numbering, naming, addressing and identification plans for fixed and mobile telecommunication services
 - b. Q3/2 Service and Operational aspects of Telecommunication including service definition
 - c. Q5/2 Requirements, priorities and planning for telecommunication/ICT management and operation, administration and maintenance (OAM) Recommendations
2. **SG3** **Economic and Policy Issues**
 - a. Q3/3 Study of economic and policy factors relevant to the efficient provision of international telecommunication services
 - b. Q7/3 International mobile roaming issues (including charging, accounting and settlement mechanisms and roaming at border areas)
 - c. Q9/3 Economic and policy aspects of the Internet, convergence (services or infrastructure) and OTTs in the context of international telecommunication/ICT services and networks
 - d. Q11/3 Economic and policy aspects of big data and digital identity in international telecommunication services and networks
3. **SG5** **Environment, EMF, Climate Action and Circular Economy**
 - a. Q3/5 Assessment of human exposure to electromagnetic fields (EMFs)
 - b. Q4/5 Electromagnetic compatibility (EMC) aspects in telecommunications/ICTs
 - c. Q7/5 E-waste, circular economy, and sustainable supply chain management
4. **SG11** **Signalling requirements, protocols, test specifications and combating counterfeit telecommunication/ICT devices**
 - a. Q2/11 Signalling requirements and protocols for services and applications in telecommunication environments
 - b. Q12/11 Testing of Internet of Things (IoT), its applications and identification systems
 - c. Q15/11 Combating counterfeit and stolen telecommunication/ICT devices and their software

5. **SG12** **Performance, QoS & QoE**
 - a. Q12/12 Operational aspects of telecommunication network service quality and end-to-end performance considerations
 - b. Q17/12 Performance of packet-based networks and other networking technologies
6. **SG13** **Future networks and emerging network technologies**
 - a. Q2/13 Next-generation network (NGN) evolution by adoption of emerging network technologies
 - b. Q5/13 Applying future networks and innovation in developing countries
 - c. Q16/13 Future networks: Trustworthy and quantum enhanced networking and services
 - d. Q20/13 International mobile telecommunications (IMT) networks and artificial intelligence/machine learning: Requirements and architecture
7. **SG15** **Networks, technologies and infrastructures for transport, access and home**
 - a. Q5/15 Characteristics and test methods of optical fibres and cables, and installation guidance
 - b. Q6/15 Characteristics of optical components, subsystems and systems for optical transport networks
 - c. Q7/15 Connectivity, operation and maintenance of optical physical infrastructures
8. **SG17** **Security**
 - a. Q1/17 Security standardization strategy, incubation and coordination
 - b. Q4/17 Cybersecurity and countering spam
 - c. Q6/17 Security for telecommunication services, Internet of Things (IoT), digital twin, and metaverse
 - d. Q15/17 Quantum-based security
9. **SG20** **Internet of Things, digital twins and smart sustainable cities and communities**
 - a. Q2/20 Requirements, capabilities and architectural frameworks of Internet of Things (IoT) and smart sustainable cities and communities (SSC&C) across verticals

b. Q3/20 Architectures, functionalities and protocols in applications of verticals and infrastructures of Internet of Things (IoT) and smart sustainable cities and communities (SSC&C)

c. Q6/20 Security, privacy, trustworthiness, and identification of Internet of Things (IoT) and smart sustainable cities and communities (SSC&C)

10. SG21 Technologies for multimedia, content delivery and cable television

a. Q1/21 Multimedia system, service and application accessibility for digital inclusion

b. Q4/21 Human factors for intelligent user interfaces and services

c. Q20/21 AI-enabled enhanced functions over integrated broadband cable network

d. Q21/21 Transmission and delivery control of television and sound programme signal for contribution, primary distribution and secondary distribution

e. Q22/21 Methods and practices for conditional access and content protection