F.No. 08-06/2022-TC/TEC
Government of India
Department of Telecommunications
Telecommunications Engineering Centre
Khurshid Lal Bhawan, Janpath, New Delhi-110001
(Telecom Certification Division)
*****

Dated: 20.11.2024

Circular

Subject: Inviting nominations for National Working Group (NWG)-11 corresponding to ITU-T Study Group-11 "Signalling requirements, protocols, test specifications and combating counterfeit telecommunication/ ICT devices" for the study period 2025-2028- reg.

Telecommunication Engineering Centre (TEC) is the nodal authority of Department of Telecommunications (DoT), Government of India, for constituting various National Working Groups (NWGs) corresponding to respective International Telecommunication Union (ITU) Study Groups (SGs). The Study Groups of ITU's Telecommunication Standardization Sector (ITU-T) assemble domain experts from around the world to develop international standards known as ITU-T Recommendations which act as defining elements in the global infrastructure of information and communication technologies (ICTs).

2. TEC has re-constituted National Working Group (NWG)-11 corresponding to ITU-T SG-11 titled "**Signalling requirements, protocols, test specifications and combating counterfeit telecommunication/ ICT devices**" for the **study period 2025-2028**, under the chair-ship of Dy. Director General (Telecom Certification), TEC. NWG-11 has the responsibility of submitting the contributions in ITU-T SG-11 as Indian Contribution.

3. The list of ITU-T SG-11 questions under study is as follows:

   i. Q1/11: Signalling and protocol architectures for telecommunication networks and guidelines for implementations with emerging technologies.
   ii. Q2/11: Signalling requirements and protocols for services and applications in telecommunication environments.
   iii. Q3/11: Signalling requirements and protocols for emergency telecommunications.
   iv. Q4/11: Protocols for control, management and orchestration of network resources.
   v. Q5/11: Signalling requirements and protocols for border network gateway in the context of network virtualization and intelligentization.
   vi. Q6/11: Protocols supporting control and management technologies for International Mobile Telecommunications networks.
   vii. Q7/11: Signalling requirements and protocols for network attachment and edge computing for future networks, IMT-2020 network and beyond.
   viii. Q8/11: Protocols supporting distributed content networking, information

centric network (ICN) technologies for future networks, IMT-2020 network and beyond.

ix. Q12/11: Testing of Internet of Things (IoT), its applications and identification systems.

x. Q13/11: Monitoring and measuring parameters for protocols used in emerging networks, including cloud/edge computing and software-defined networking/network function virtualization (SDN/NFV).

xi. Q14/11: Testing of cloud/edge computing, software-defined networking (SDN) and network function virtualization (NFV).

xii. Q15/11: Combating counterfeit and stolen telecommunication/ICT devices and their software.

xiii. Q16/11: Test specifications for protocols, networks and services for emerging technologies, including benchmark testing and federated testbeds.

More details about ITU-T SG-11 are available at:
https://www.itu.int/en/ITU-T/studygroups/2025-2028/11/Pages/default.aspx.

4.   As the development of contribution to standardization process of ITU-T Study Groups is a consultative process, nominations of subject matter/ domain experts are invited for the membership in the NWG-11 for the study period 2025-2028. Participation in this activity will aid in inclusion of Indian Standards in International Standardization bodies and to compete in the global marketplace, unhindered by technical barriers.

5.   Stakeholders, Academia, Industry Associations, Startups or Organizations with related working domain may kindly send their nominations for the membership in NWG-11, to **adettc-tec-dot@gov.in** with a copy to **dirta.tec@gov.in** latest by **05.12.2024** in the following format:

Name	Organization	Designation	Email ID	Contact No.	Working Domain

(Arjun Singh)
ADET (TC)
adettc-tec-dot@gov.in

To,

1. All stakeholders through DoT/TEC website.
2. ADET(IT), DoT HQ- for uploading on DoT website.
3. AD(IT), TEC- for uploading on TEC website.

Copy to:

1. Sr. DDG, TEC- for kind info pl.
2. Chair, ITU-T SG-11- for kind info pl.