Government of India
Ministry of Communications
Department of Telecommunications
Telecommunication Engineering Centre
KL Bhawan, Janpath, New Delhi-110001
(TC Division)

No. 08-06/2022-TC/TEC   Date: 10.03.2023

Subject: Extension of last date of receiving nominations for the 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 2022-2024- reg.

Ref.: TEC letter No. 08-06/2022-TC/TEC dated 17.02.2023

Telecommunication Engineering Centre (TEC) is the nodal agency 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 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 constituted NWG-11 corresponding to ITU-T SG-11 titled **"Signalling requirements, protocols, test specifications and combating counterfeit telecommunication/ ICT devices"** under the chairmanship of DDG(TC), TEC. NWG-11 has the responsibility of submitting the contributions in ITU-T SG-11 as Indian Contribution.

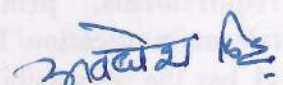3. The list of ITU-T SG-11 questions under study is as follows:

   i.   Q1/11: Signalling and protocol architectures for telecommunication networks and guidelines for implementations.
   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 IMT-2020 network and beyond.
   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, its applications and identification systems.

x. Q13/11: Monitoring 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, SDN and NFV.

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

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

xiv. Q17/11: Combating counterfeit or tampered telecommunication/ICT software.

More details about ITU-T SG-11 is available at: https://www.itu.int/en/ITU-T/studygroups/2022-2024/11/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. 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. Any Stakeholder, Academia, Industry Association, Startup or Organization with related area of interest may kindly send their nominations by email to avadhesh.singh48@gov.in, and adettc-tec-dot@gov.in latest by **31.03.2023.**

(Avadhesh Singh)
Director (TC-I)
TEC, New Delhi

To,

1. Director(IT), DoT HQ- for uploading this letter on DoT website.
2. AD(IT), TEC- for uploading this letter on TEC website.

Copy to:

1. Sr. DDG, TEC- for kind information pl.
2. DDG(TC), TEC- for kind information pl.