

भारत सरकार **Government of India**
 संचार मंत्रालय **Ministry of Communications**
 दूरसंचार विभाग **Department of Telecommunications**
 दूरसंचार अभियांत्रिकी केंद्र **TELECOMMUNICATION ENGINEERING
CENTRE**
 खुरशीद लाल भवन, जनपथ, नई दिल्ली **Khurshid Lal Bhawan, Janpath, New Delhi -
110001 110 001**

F. No.: 8-1106/2024-R/TEC

Dated: 04.12.2024

Circular

Subject: Inviting nominations for National Working Group (NWG)-5 corresponding to ITU-T Study Group-5 “Environment, EMF, Climate action & Circular economy” 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- Telecommunication Standardization (ITU-T) 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).

ITU-T Study Group 5 (SG5) is the lead study group on electromagnetic fields (EMF), EMC, environment, climate action, sustainable digitalization, and the circular economy. The international standards (ITU-T Recommendations) and related texts developed by SG5 provide guidance and specifications for the safe and sustainable use of information and communication technology (ICT).

2. TEC has re-constituted National Working Group (NWG)-5 corresponding to ITU-T SG-5 titled “**Environment, EMF, Climate action & Circular economy**” for the **study period 2025-2028**, under the chair-ship of Dy. Director General (Radio), TEC. NWG-5 has the responsibility of submitting the contributions in ITU-T SG- 5 as Indian Contributions. The NWG-5 further divides its work among 4 Working Parties related to the following domains:

- I. NWP-5A : Electromagnetic Compatibility related studies
- II. NWP-5B : Electromagnetic Field Exposure related studies
- III. NWP-5C : Environment efficiency related studies
- IV. NWP-5D : Environment and climate change related studies

3. The ITU-T SG-5 organizes its standardization work by dividing the focus areas into questions under study. The list of ITU-T SG-5 questions under study is as follows:

S. No	Questions	Title
I.	Q1/5	Electrical protection, reliability, safety, and security of telecommunication/ICT systems
II.	Q2/5	Equipment specification and component/device for protection against lightning and other phenomena
III.	Q3/5	Assessment of human exposure to electromagnetic fields

		(EMFs)
IV.	Q4/5	Electromagnetic compatibility (EMC) aspects in telecommunications/ICTs
V.	Q6/5	Environmental efficiency of telecommunications/ICTs
VI.	Q7/5	E-waste, circular economy, and sustainable supply chain management
VII.	Q8/5	Guidance and terminology on environment
VIII.	Q9/5	Assessing the impact of telecommunications/ICTs on climate change, biodiversity and the environment - including the influence on other sectors
IX.	Q11/5	Climate change mitigation and smart energy solutions
X.	Q12/5	Climate actions and adaptation to climate change through sustainable and resilient telecommunications/ICTs (including new and emerging)

More details about ITU-T SG-5 are available at:

<https://www.itu.int/en/ITU-T/studygroups/2025-2028/05/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-5 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-5, to anshulkr.gupta@gov.in with a copy to neha.upadhyay86@gov.in latest by **16.12.2024** in the following format:

Name	Organization	Designation	Email ID	Contact No.	Working Domain/Interest in any specific Question of SG-5 or Working Party under NWG-5

(Anshul Kumar Gupta)
ADET (Radio), TEC

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-5- for kind info pl.