

1-5/2025-NTI.WA-Part (1)
Government of India
Ministry of Communications
National Communication Academy – Technology (NCA-T)
Govt. of India Enclave, Near Rajnagar, Ghaziabad, UP – 201002

Dated: May, 2026

To

1. Director General (Telecom), DoT HQ, New Delhi
2. Additional Director General, TEC, New Delhi
3. Wireless Advisor, DoT HQ, New Delhi
4. Sr. DDG, NCCS Bangalore

Subject: Nomination of officers in One-Week Proficiency Level-2 (PL-2) Course on “Open Radio Access Network (Open RAN)” for In-Service DoT Officers at IIT Madras planned to be held from 06-10 July, 2026

Sir,

National Communications Academy – Technology (NCA-T) is organising a one-week Proficiency Level-2 (PL-2) course titled **“Open Radio Access Network (Open RAN)”** for the In-Service DoT officers at **IIT Madras** from **06-10 July, 2026**. The course aims to provide foundational to intermediate-level understanding of Open RAN architecture, disaggregated network elements, virtualization, interoperability, and associated policy and regulatory aspects. A brief outline of the course is attached (Annexure-I).

2. The training is intended to equip officers with applied knowledge of Open RAN frameworks, O-RAN Alliance architecture, virtualization concepts, and integration challenges, enabling informed decision-making in areas of technology evaluation, standardization, spectrum management, and network security within DoT and TEC.
3. The course has been arranged to train 20-25 officers of DoT. Boarding and Lodging facility for the participants has been arranged within IIT Campus on the payment basis, as per their approved charges.
4. It is therefore requested that suitable officers (up to Director level) may kindly be nominated for the above course from DoT LSAs/DoT Units/TEC/NCCS/WPC etc.
5. Since the program includes extensive hands-on sessions, all nominated officers are required to bring their laptops while attending the program.
6. The nomination may be done through the competency portal [<https://www.competency.dot.gov.in/competency/login>] and after filling the nomination at competency, same should be confirmed through email [sandeep.ntiprit@gov.in] latest by 10th June, 2026 in the format mentioned below

SN	Name of Officer	Designation & Unit	Staff No.	E-Mail	Mobile No.

7. In case of any clarification, Shri Sandeep Singh, AD (WA), NCA-T may be contacted at 9463502525.
8. The participants need to complete the following online PL-1 course on ORAN before joining the above referred course at IIT M:

(https://portal.igotkarmayogi.gov.in/app/toc/do_1135638368885637121121/overview)

The confirmed list of participants will be communicated separately. Nominated officers are requested to plan their travel only after issue of confirmation list by NCA-T.

Director (WA)
NCA-T, Ghaziabad

Copy for kind information to:

1. Member (S) / Member (T), DoT HQ
2. Additional Secretary (T), DoT
3. Administrator, USOF
4. DoT HQ website: For kind information and requesting the interested officers in the DoT HQs/DoT LSAs/ TEC/NCCS etc for the sending their nominations through their controlling officers/Administrative channel and using the competency portal.

Annexure-I

Course Name: Open Radio Access Network (Open RAN)

Duration: One Week (06–10 July, 2026)

Level: Proficiency Level-2 (PL-2)

Introduction:

Open RAN represents a paradigm shift in mobile network architecture by enabling disaggregation of hardware and software, interoperability across vendors, and cloud-native implementation of RAN functions. This course will provide an in-depth understanding of Open RAN architecture, O-RAN Alliance specifications, virtualization frameworks, security considerations, and implementation challenges in 5G and future 6G systems.

Topics to be Covered:

- Evolution of RAN architecture (Traditional vs Open RAN)
- O-RAN Alliance framework and specifications
- Functional split options and disaggregation
- Virtualized RAN (vRAN) and Cloud-RAN concepts
- Open interfaces (F1, E1, A1, E2, O1, etc.)
- RAN Intelligent Controller (RIC) – Near-RT & Non-RT
- Security challenges and supply chain considerations
- Integration, interoperability, and testing frameworks
- Open RAN in Indian telecom ecosystem
- Case studies and implementation experiences