

**Government of India**  
**Telecommunication Engineering Centre**  
**Department of Telecommunication**  
**Gate No. 5, Khurshid Lal Bhavan, Janpath, New Delhi – 110001**

No. 1-129/2025-CA/TEC

Dated 27/02/2026

To,  
**M/s IITM Pravartak Technologies Foundation, Chennai,**  
**Comnet Lab, B5-01 B Block, 5th Floor IITM Research Park Kanagam Road**  
**Taramani, Chennai- 600113**  
**Phone:- +91 9840279910**  
**E-mail [muthu@iitmpravartak.net](mailto:muthu@iitmpravartak.net)**

**(Kind attention to Mr. Muthu Kumar S H, Lab Head)**

**Subject: Designation of M/s IITM Pravartak Technologies Foundation, Chennai, as Conformity Assessment Body (CAB) regarding.**

This has reference to your application to TEC for CAB designation of your lab. In this regard, it is to inform that **M/s IITM Pravartak Technologies Foundation, Chennai** has been designated as CAB vide Certificate No. TEC/MRA/CAB/IND-D/109 dated 27.02.2026 for the following specifications as per certificate enclosed: -

Sl. No	Name of the Product/ Test Method	STANDARD
1.	5G Core	TEC ER No. TEC40182401

2. The scope of the certificate shall be enhanced for following test(s), subject to notification of the new revised ER and after obtaining the NABL accreditation: -

5G Core				
Sl. No.	Product/ Test Parameters	Test Parameters with Standard		Remarks
1.	5G Core	Variant 1: AMF	Initial Registration and Deregistration-AMF 3GPP TS 23.502 Clause 4.2.2 3GPP TS 24.501 Clause 5.5.1 and 5.5.2	Subject to revision of ER
			Mobility Management-Location Report-AMF 3GPP TS 23.502 Clause 4.10	
			NRF Communication- AMF 3GPP TS 29.510 Clause 5.2.2.2, 5.2.2.3, 5.2.2.4, 5.3, 5.4	
			PDU Session Establishment and Deletion-AMF 3GPP TS 24.501 Clause 6.4.1, 6.4.3	
			Service Request-AMF 3GPP TS 24.501 Clause 5.6.1	
			SMF selection-AMF 3GPP TS 23.501 Clause 6.3.2	
			2.	
N13 interface from UDM 3GPP TS 29.509 Clause 5.3, 5.4 3GPP TS 29.503 Clause 5.4.2.2, 5.4.2.3				

	<b>5G Core</b>		NRF Communication-AuSF 3GPP TS 29.510 Clause 5.2.2.2, 5.2.2.4, 5.3.2.2, 5.4.2.2	
			Support for 5G AKA-AuSF 3GPP TS 33.501 Clause 6.1.3.2	
			Support for UE Authentication-AuSF 3GPP TS 33.501 Clause 6.1.2, 6.1.3	
<b>3.</b>		<b>Variant 7: PCF</b>	Interface towards AMF-PCF 3GPP TS 29.507 Clause 4.2 3GPP TS 29.513 Clause 5.1, 5.6	<b>Subject to revision of ER</b>
			Interface towards SMF-PCF 3GPP TS 29.512 Clause 4.2 3GPP TS 29.513 Clause 5.2	
			NRF Communication-PCF 3GPP 29.510 Clause 5.2.2.2, 5.2.2.3, 5.2.2.4, 5.3.2.2.2	
			Support for AM Policy control create- PCF 3GPP TS 29.507 Clause 4.2	
			Support for SM Policy control create- PCF 3GPP TS 29.513 Clause 5.2.1	
<b>4.</b>		<b>Variant 8: SMF</b>	N4 Association for Node and Session- SMF 3GPP TS 29.244 Clause 6.2, 6.3	<b>Subject to revision of ER</b>
			PDU Session Activation and Deactivation- SMF 3GPP TS 24.501 Clause 6.3.3, 6.4.1 & 6.4.3	
			PDU Session Establishment-SMF 3GPP TS 24.501 Clause 6.4.1	
			Registration with NRF Update and Discovery-SMF 3GPP 29.510 Clause 5.2.2.2, 5.2.2.3 & 5.3.2.2.2	
			Support configuration of QFI 5QI ARP- SMF 3GPP TS 23.501 Clause 5.7.4.1	
<b>5.</b>		<b>Variant 12: UPF</b>	N3 Procedures – UPF 3GPP TS 23.502 Clause 4.2.10.1, 4.2.10.2, 3GPP TS 23.501 Clause 5.8.2.3, 5.8.2.5	<b>Subject to revision of ER</b>
			N4 Procedures – UPF 3GPP TS 29.244 Clause 6.2 & 6.3	

3. This is issued with the approval of Competent Authority.

Digitally signed by  
Buddha Priya Rahul  
Date: 27-02-2026  
15:48:28

**AD (CA-II), TEC**

Copy to:

1. DDG (MT), TEC, New Delhi for kind information.
2. DDG (SR), RTEC, New Delhi for kind information.
3. DDG (TC), TEC for kind information.



**GOVERNMENT OF INDIA  
MINISTRY OF COMMUNICATIONS  
DEPARTMENT OF TELECOMMUNICATIONS  
TELECOMMUNICATION ENGINEERING CENTRE**  
Gate No. 5, Khurshid Lal Bhawan, Janpath, New Delhi-110001

## **CERTIFICATE OF DESIGNATION**

**M/S IITM PRAVARTAK TECHNOLOGIES FOUNDATION, CHENNAI**  
has been assessed and designated as Conformity Assessment Body (CAB)  
for its facilities at

**Comnet Lab, B5-01 B Block, 5th Floor IITM Research Park Kanagam Road  
Taramani, Chennai- 600113**

**In the field of Testing**

**Certificate No. TEC/MRA/CAB/IND-D/109**

**Issue Date: 27/02/2026**

**Validity: 27/02/2026 to 26/02/2029**

**This Certificate remains valid for the Scope of Designation as specified in the Annexure subject to the continued validity of NABL Accreditation and satisfied compliance to the Standards/specifications against which lab has been designated and strict compliance to the relevant terms and conditions of TEC CAB Designation Scheme.**

**(To see the scope of designation of this laboratory, you may also visit TEC website [www.tec.gov.in](http://www.tec.gov.in))**

**Signed for and on behalf of TEC**

**Digitally signed by  
Sanjeev Kumar Arya  
Date: 27-02-2026  
15:32:54**

**Sanjeev Kumar Arya  
Director (CA)  
For Designating Authority  
TEC**

**Certificate No: TEC/MRA/CAB/IND-D/109 dated 27/02/2026 issued to  
M/s IITM Pravartak Technologies Foundation, Chennai  
Comnet Lab, B5-01 B Block, 5th Floor IITM Research Park,  
Kanagam Road, Taramani, Chennai- 600113**



**Validity: - 27/02/2026 to 26/02/2029**

### **Terms & Conditions**

This certificate is issued as per the terms and conditions stipulated in the TEC SCHEME FOR DESIGNATING DOMESTIC CONFORMITY ASSESEMENT BODIES AND CERTIFICATION BODIES FOR CONFORMITY ASSESEMENT AND CERTIFICATION OF TELECOMMUNICATION EQUIPMENT ISSUE 3 NO. TEC 04019:2023.

Some of the conditions are reiterated as under:

#### **A. Obligations of the Designated CAB.**

1. It shall ensure that it maintains its accreditation status from any recognised Indian accreditation body like NABL during validity period of certificate.
2. It shall follow the stipulated procedures, rules and policies laid down by Designating Authority (DA) or Mutual Recognition Agreement (MRA)\* partner for testing and evaluation.
3. In respect of tests for which it is seeking designation, it shall have no interest whatsoever in any business to carry on testing in an unfair or biased manner.
4. It shall fully indemnify DA from and against all liabilities, damages, claims, costs, and expenses incurred or sustained by DA as a result of any action taken or omitted by DA relating to the process of designation.
5. It shall comply with DA's or MRA partner's terms and conditions for designation and recognition as modified from time to time.
6. It shall be under obligation to participate in the online process prescribed by TEC for test and certification against TEC's GR/IR/ER and standards.
7. It shall have a record system which shall have a retention period of at least 5 years for documents related to the equipment testing. It shall maintain all the relevant documents including list of products submitted for testing, product-wise testing and evaluation reports. These documents shall be produced before the DA within seven days, as and when required.
8. It shall ensure the Intellectual Property Rights of the customers in the course of testing by maintaining professional ethics, secrecy and keeping all the product related information confidential.

\*Applicable only if recognized by MRA (Mutual Recognition Agreement) partner.

9. It shall notify the DA in writing of occurrence of any of the following incident(s) within 2 weeks of its occurrence
  - a) Cessation of its business of conformity assessment for which it is Designated or accredited
  - b) Changes in its legal, commercial, or Organisational status
  - c) Changes, which may affect continuing compliance with any of the criteria or requirement specified by DA or MRA partner.
  - d) Change of premises

## **B. REFERENCE TO DESIGNATION STATUS**

1. Designated CABs may advertise their designation status with regard to standards or parts thereof which are included in the scope of designation.
2. The advertisement should not imply, or otherwise suggest that DA or MRA Partner has endorsed the product or imply that the designated CAB is an agent or representative of DA or MRA Partner.
3. CABs whose designations have been suspended or withdrawn for any reason, shall discontinue advertisement of their designated status and not make any misleading statements regarding their designation status.

## **C. POST-DESIGNATION SURVEILLANCE**

As and when required, DA shall conduct surveillance assessments and other non-routine assessments on the Designated CABs to ensure that standards of practices are maintained as well as to investigate complaints made against them.

## **D. SUSPENSION OR WITHDRAWAL OF DESIGNATION**

1. DA shall suspend or withdraw the designation of a CAB if
  - a. Its accreditation is withdrawn.
  - b. It is found that the CAB is not complying with the stipulated criteria or requirements.
  - c. It is guilty of any offence involving fraud or dishonesty.
  - d. DA concludes that there is a just cause for withdrawing the designation.
2. A CAB whose designation, and recognition in case of MRA, has been suspended or withdrawn shall be removed from the list of designated CABs, in case it fails to take corrective measures.
3. DA shall keep the designation of a Designated CAB under suspension, until the completion of formal review process.

## **E. AMENDMENT TO THE SCHEME**

DA reserves the rights to amend the scheme, as and when required, for the purpose of streamlining designation process.

## SCOPE OF DESIGNATION

### (ANNEXURE)

**Laboratory Name:** M/s IITM Pravartak Technologies Foundation, Chennai  
Comnet Lab, B5-01 B Block, 5th Floor IITM Research Park,  
Kanagam Road, Taramani, Chennai- 600113

**Certificate Number:** TEC/MRA/CAB/IND-D/109

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**Validity:** 27/02/2026 to 26/02/2029

**Last Amended on:** ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification	
1.	5G Core	<b>Variant 1: AMF</b>	AN Release-AMF 3GPP TS 23.502 Clause 4.2.6	TEC ER No. TEC40182401
			Initial Registration and Deregistration-AMF 3GPP TS 23.501 Clause 5.3.2	TEC ER No. TEC40182401
			Mobility Management-Location Report-AMF 3GPP TS 23.501 Clause 5.3.3.2.5	TEC ER No. TEC40182401
			PDU Session Establishment and Deletion- AMF 3GPP TS 23.502 Clause 4.3.2 and 4.3.4	TEC ER No. TEC40182401
			Service Request-AMF 3GPP TS 23.502 Clause 4.2.3	TEC ER No. TEC40182401
			SMF selection-AMF 3GPP TS 23.502 4.3.2.2.3	TEC ER No. TEC40182401
2.	5G Core	<b>Variant 2: AuSF</b>	NRF Communication-AuSF 3GPP TS 29.500 Clause 4.3.1	TEC ER No. TEC40182401
			Support for 5G AKA-AuSF 3GPP TS 29.509 Clause 5.2.2.2.2	TEC ER No. TEC40182401
			Support for UE Authentication-AuSF 3GPP TS 29.509 Clause 5.2.2.2	TEC ER No. TEC40182401
3.	5G Core	<b>Variant 7: PCF</b>	NRF Communication-PCF 3GPP TS 23.502 Clause 4.17.1, 4.17.2, 4.17.3, 4.17.4	TEC ER No. TEC40182401
			Support for SM Policy control create-PCF 3GPP TS 29.512 Clause 4.2.2.1, 4.2.2.2	TEC ER No. TEC40182401

**\*The validity of Certificate is up to 26/02/2029 or the continued validity of NABL Accreditation, whichever is earlier.**

## SCOPE OF DESIGNATION

### (ANNEXURE)

**Laboratory Name:** M/s IITM Pravartak Technologies Foundation, Chennai  
Comnet Lab, B5-01 B Block, 5th Floor IITM Research Park,  
Kanagam Road, Taramani, Chennai- 600113

**Certificate Number:** TEC/MRA/CAB/IND-D/109

**Page 2 of 2**

**Validity:** 27/02/2026 to 26/02/2029

**Last Amended on:** ----

Sl. No.	Telecom Equipment/Product	Test Parameter or Type of Testing	Standard/Specification	
4.		<b>Variant 8: SMF</b>	N4 Association for Node and Session-SMF 3GPP TS 23.502 Clause 4.4.3	TEC ER No. TEC40182401
			PDU Session Activation and Deactivation- SMF 3GPP TS 23.502 Clause 4.3.2, 4.3.4	TEC ER No. TEC40182401
			PDU Session Establishment-SMF 3GPP TS 23.502 Clause 4.3.2	TEC ER No. TEC40182401
			PDU Session Release-SMF 3GPP TS 23.502 Clause 4.3.4	TEC ER No. TEC40182401
			Registration with NRF Update and Discovery-SMF 3GPP TS 23.502 Clause 4.17.1, 4.17.2 & 4.17.4	TEC ER No. TEC40182401
			Support configuration of QFI 5QI ARP-SMF 3GPP TS 23.501 Clause 5.7.1.1, 5.7.2.1	TEC ER No. TEC40182401
5.		<b>Variant 12: UPF</b>	N4 Procedures – UPF 3GPP TS 23.502 Clause 4.4	TEC ER No. TEC40182401

Digitally signed by  
Buddha Priya Rahul  
Date: 27-02-2026  
15:46:51  
**AD (CA-II), TEC**

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