

**Support
start-up
Ecosystem**

**Capacity
Building**

**Think Tank
Activities for
Policy
Advocacy**



**Influencing
Telecom
Standards**

Telecom Centres of Excellence
A Public Private Partnership Initiative

**Enabling
Environment
for Industry
Driven R&D**

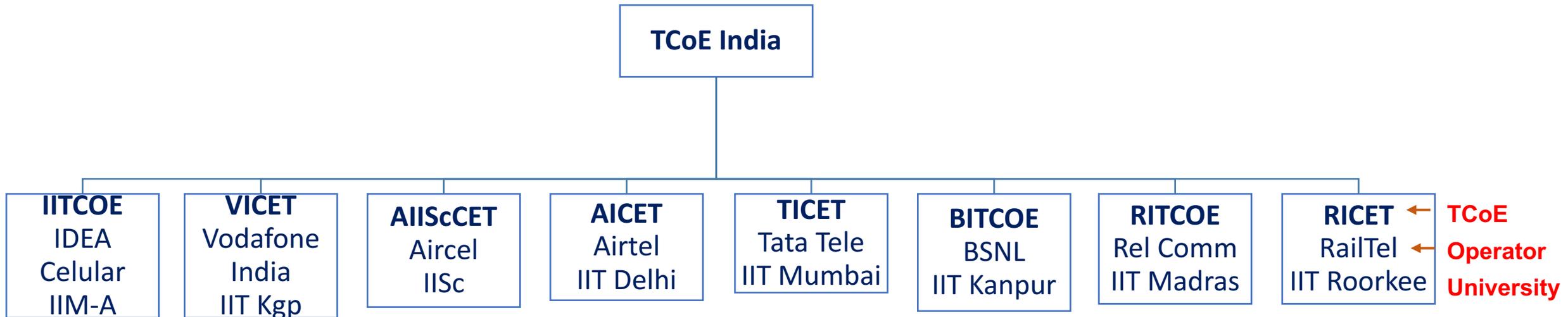
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Telecom Centers of Excellence

A Public Private Partnership (PPP) aimed at creating an environment of Innovation in Telecom through scientific R&D and promote specific product & application development



- A service provider + a University + a theme
- Governed by Department of Telecommunications (DOT), India

**Innovation in telecom through R&D - Help policy and regulation in telecom
- Frugal innovation - Aid telecom startups**



Telecom Centres of Excellence
A Public Private Partnership Initiative

TCOE India Activities

Coordinator for 5G India 2020

Telecom Entrepreneurs Square
4 Start Up under incubation

Created 87 technologies up to
Proof of Concept (POC) / Prototype stage

4 Startups created + IPRs and Patents

Evaluated IMT-Advanced
Now, Evaluator for IMT 2020

Mobile App Development Ecosystem
(I-MADE)

Leverage the experience with IMT-A evaluation



Background to our Interest & Involvement

India has a demographic split, with half of the population living in rural areas
Broadband connectivity is yet to reach a significant population of our citizens

The Indian government has several ambitious projects that would demand better broadband connectivity (Digital India, Make in India, BharatNet, etc.)

India now has ambitious goals on standards and technology design & development
There are state funded programs on 5G technology, test bed, pilots, etc.

The prime objective is to engage the pool of skilled engineers and entrepreneurs in this evaluation activity.



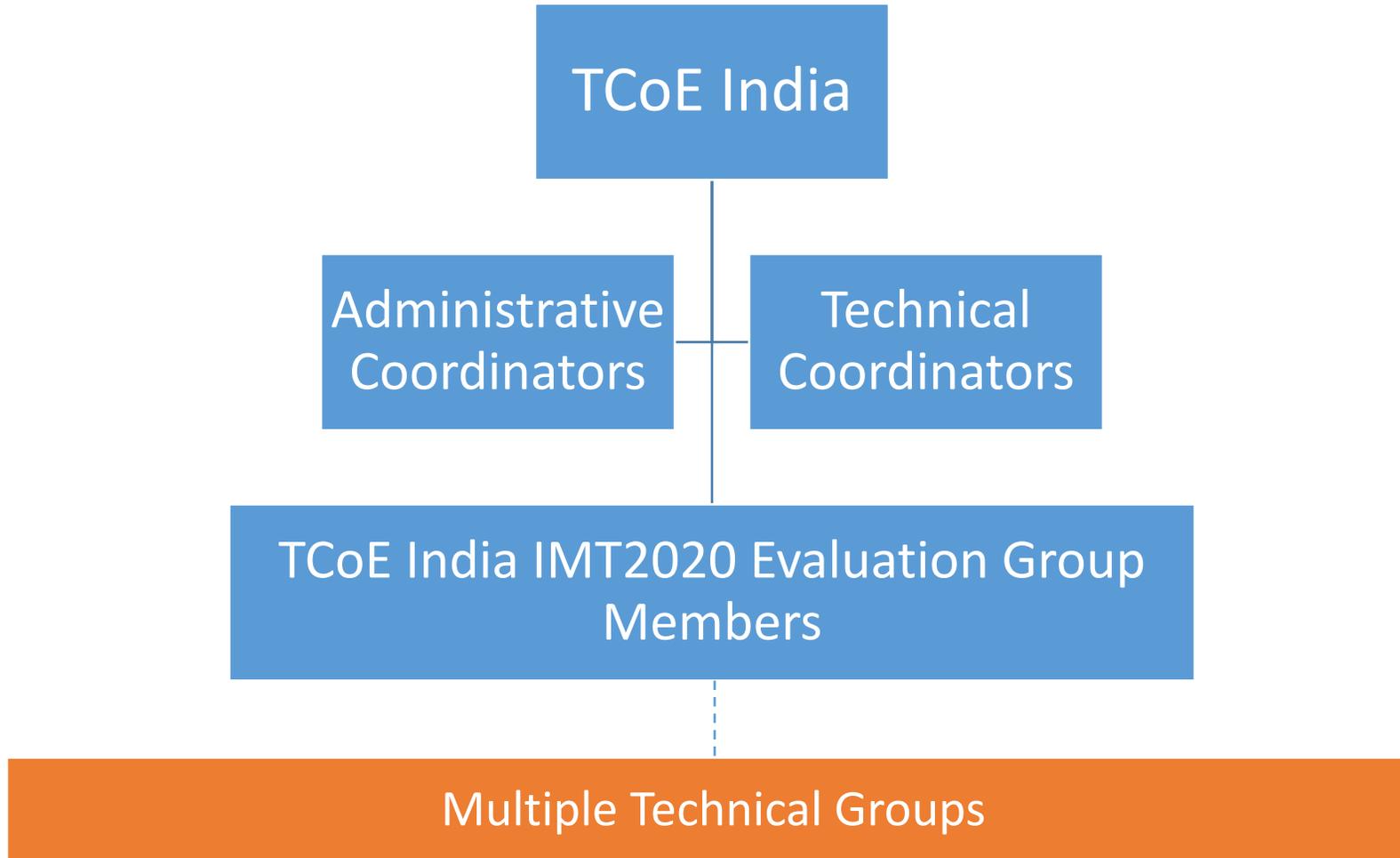
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IMT 2020 Technical Evaluation Members



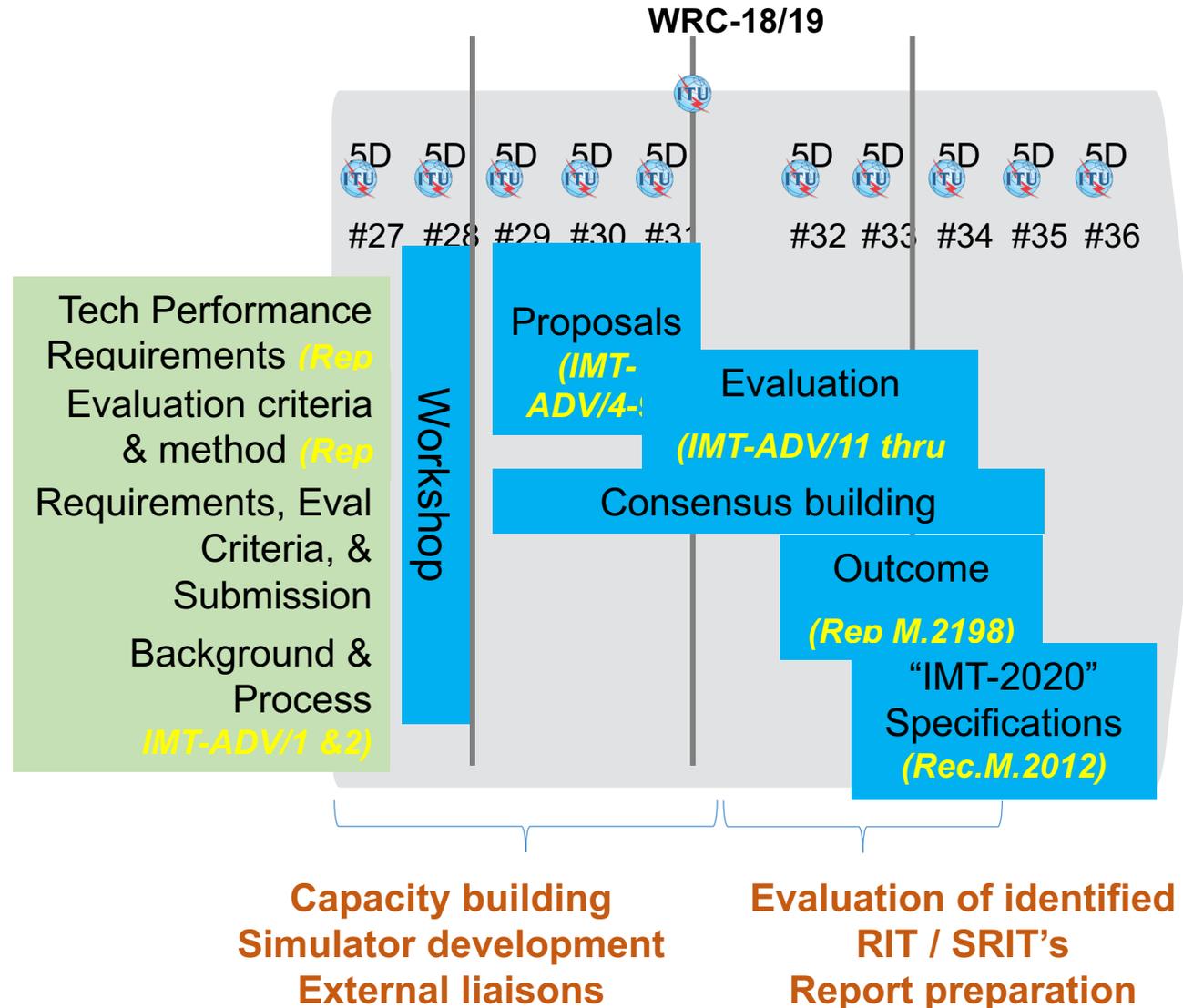
Website link: <https://imt2020-ieg-tcoe.in/members/>

Organizational Structure





High level Work Plan



Evaluation Team Capabilities

- A team of more than 50 technical leads spanning academia, industry and R&D institutes
- Many with prior standardization exposure in international bodies like 3GPP, IEEE, OneM2M, ITU, etc.
- Strong portfolio of exposure on L1, L2 and L3 aspects
- Connected with the folks part of TCoE India IMT-A evaluation
- Identified technical coordinators for liaison with ITU, proponents and others
- Assures cooperation on the evaluation process, will perform independent evaluation, and deliver timely reports to WP5D

Contact Information

Contacts (TCoE India)

Sh. R K Pathak, Director

director,cc@tcoe.in

Sh. Anurag Vibhuti, Deputy Director

anurag.cc@tcoe.in