

Ministry of Communications



Telecommunication Engineering Centre, the technical arm of Department of Telecommunications (DoT), to organize International Workshop on 6G Standardization

Strengthening domestic innovation and enhancing India's role in global telecom standardization central vision of this workshop

Workshop on 6G Standardization to advance Bharat 6G vision and strengthen India's role in Global Telecom Standards

Initiative aligned with Atmanirbhar Bharat, aims to position India as a frontline contributor to Global 6G Development

Global experts from government, industry and academia to deliberate on evolving roadmap for 6G Technologies

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The **Telecommunication Engineering Centre (TEC)**, the technical arm of the **Department of Telecommunications (DoT)**, Ministry of Communications, Government of India, will organise an **International Workshop on 6G Standardisation** on **18 March 2026** at **Vigyan Bhawan, New Delhi**.

Aligned with the Government of India's vision of **Atmanirbhar Bharat** and the **Bharat 6G Vision**, the initiative seeks to position India as a **frontline contributor and global leader in the design, development and deployment of 6G technologies by 2030**.

The workshop will bring together **leading experts from government, industry, academia and international standardisation bodies** to deliberate on the evolving **global roadmap for sixth generation (6G) telecommunications technologies** and to strengthen India's engagement in the global standards development process.

Shri Jyotiraditya M. Scindia, Union Minister of Communications and Minister for Development of North Eastern Region, will deliver the **inaugural address** at the workshop.

Dr Pemmasani Chandra Sekhar, Minister of State for Communications and Minister of State for Rural Development, will deliver the **special address**.

Senior officials from the Department of Telecommunications, representatives from international telecom organisations, industry leaders, technology experts and members of the research community are expected to participate in the workshop.

The event will feature a series of **technical sessions and expert discussions** focusing on key elements of the emerging **6G ecosystem**, including:

- Global roadmap for **6G standardisation**
- Evolution of **network architecture** for next-generation communication systems
- **Spectrum planning** for future mobile networks
- Integration of **Artificial Intelligence and Machine Learning** in telecom networks
- **Security and trust frameworks** for future communication systems
- Developments in **Radio Access Network (RAN)** technologies
- Emerging **6G applications and use cases**
- **India's roadmap towards 2030** for next-generation communications

Strengthening **domestic innovation** and enhancing **India's role in global telecom standardisation** will be central vision of this workshop.

As international discussions on **IMT-2030 and future mobile systems** gather momentum, the workshop will provide an important platform to review global developments and explore opportunities for strengthening **India's role in shaping the future architecture of global telecommunications**.

About TEC

The Telecommunication Engineering Centre (TEC) is the technical arm of the Department of Telecommunications (DoT), Government of India. TEC formulates technical standards, specifications, and conformity assessment requirements for telecom equipment and networks in India, ensuring interoperability, quality, and alignment with global best practices. TEC represents India in international fora such as the ITU-T, ITU-R and coordinates National Working Groups for global standardization activities

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