

TEC, the technical arm of DoT, signs MoU with BECIL to Strengthen India's Telecom and Broadcasting Ecosystem

Partnership to Strengthen National Standardization and Innovation in Convergence and Broadcasting Technologies

Collaboration to Advance India-Specific Standards, Test Frameworks and Technical Contributions in Emerging Broadcasting Technologies

MoU Aims to Enhance India's Participation in Global Standardization Activities and Promote Indigenous Innovation

Posted On: 08 JUL 2026 7:29PM by PIB Delhi

Telecommunication Engineering Centre (TEC), the technical arm of the Department of Telecommunications (DoT), Ministry of Communications, has signed a Memorandum of Understanding (MoU) with Broadcast Engineering Consultants India Limited (BECIL), a Mini Ratna Central Public Sector Enterprise (CPSE) under the Ministry of Information & Broadcasting (MIB), to collaborate on joint studies, technical contributions and standardization activities in the areas of Convergence and Broadcasting technologies.

The collaboration aims to strengthen national capabilities in standardization and innovation in converged and broadcasting technologies while supporting national initiatives such as Digital India and Aatmanirbhar Bharat. .



The partnership will focus on the development of India-specific standards and test frameworks, study of international standards, technical contributions to global standardization bodies, and exploration of emerging technology trends in convergence and broadcasting technologies.

The MoU was signed today by Shri Devendra Singh, Deputy Director General, TEC and Shri Ramit Lala, Deputy General Manager (Projects), BECIL in presence of Shri Syed Tausif Abbas, Sr. DDG and Head, TEC at TEC, New Delhi.

This partnership creates a formal framework for TEC to work closely with BECIL to jointly undertake studies, technical contributions and research activities in advanced broadcasting and convergence technologies.

Key Areas of Collaboration:

- Direct-to-Mobile (D2M) and 5G Broadcast: Joint studies and technical contributions in Direct-to-Mobile (D2M) and 5G Broadcast technologies.
- Digital Rights Management (DRM): Joint studies and technical contributions in Digital Rights Management (DRM) systems for IPTV and other distribution platform service providers.
- Digital Sound Broadcasting (DSB): Collaborative studies on Digital Sound Broadcasting technologies.
- Conditional Access System (CAS) and Subscriber Management System (SMS): Joint studies and technical contributions in CAS & SMS for distributors of television channel.
- Future Broadcast and Network Technologies: Exploration of future broadcast and network technologies including multimedia systems and services such as Further evolved Multimedia Broadcast Multicast Service (FeMBMS), application accessibility for digital inclusion, human factors for intelligent user interfaces for broadcasting services, and AI-enabled enhanced functions over integrated broadband cable networks.
- Need-based technical discussions on matters referred by the Ministry of Information & Broadcasting (MIB), Department of Telecommunications (DoT) and TRAI, with the objective of providing expert inputs and recommendations.

The collaboration is expected to strengthen India's participation in international standardization activities through joint technical studies and contributions to global standards development organizations, including ITU-T, ITU-R and 3GPP. It will also support the development of India-specific standards and indigenous technological capabilities in convergence and broadcasting technologies, contributing to the vision of Aatmanirbhar Bharat and Digital India.

About TEC

The Telecommunication Engineering Centre (TEC) is the technical arm of the Department of Telecommunications (DoT), Government of India. TEC is responsible for formulating technical standards, specifications and fundamental technical plans for telecommunications, and issues Standards for Generic Requirements (GRs), Interface Requirements (IRs) and Service Requirements (SRs) to ensure interoperability, quality and compliance of telecom equipment and services. It also provides technical support to DoT and technical advice to TRAI, coordinates with C-DOT on technological developments, and represents India in international standardization forums such as ITU, APT and ETSI, contributing to the development of global telecom standards.

About BECIL

Broadcast Engineering Consultants India Limited (BECIL) is a Mini Ratna Central Public Sector Enterprise (CPSE) under the Ministry of Information & Broadcasting, Government of India. Established in 1995, BECIL provides consultancy services and turnkey solutions across broadcasting, information and communication technology, electronic surveillance, digital media, cybersecurity, smart city projects and

critical information infrastructure. The company has expanded beyond traditional broadcast engineering to deliver end-to-end solutions covering consultancy, engineering, procurement, project management, operation and maintenance, research and development, and manpower services. Leveraging its extensive technical expertise and nationwide presence, BECIL supports key national initiatives including Digital India, Smart City and Make in India while delivering technology solutions across broadcasting and allied sectors.

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