Symposium on

"Emerging Trends and Technologies in Broadcasting Sector"
on the sidelines of India Mobile Congress, New Delhi

Date: 17.10.2024
Time: 1000 to 1600 hrs
(Session Hall – JAL, Hall No. 5, Bharat Mandapam, New Delhi)

Tentative Agenda

Time	Session
1000-1040	Inaugural Session
1040 -1100	Tea Break
1100-1215	Use of Immersive Technologies in Broadcasting Landscape
1215-1330	D2M and 5G Broadcasting: Opportunities and Challenges
1330-1430	Lunch Break
1430-1545	Digital Radio Technology: Deployment Strategies in India
1545-1600	Closing Session

1. Use of Immersive Technologies in Broadcasting

With the advent of technologies such as 5G, Internet of Things (IoT), Artificial Intelligence (AI), Augmented/Virtual Reality (AR/VR) and Metaverse, India is poised to unlock new opportunities for growth and innovation. The session aims to delve into the practical applications and transformative capabilities of the immersive technologies across diverse use cases of the broadcasting sector and everyday scenarios. It seeks to comprehend the challenges involved and explore potential solutions to overcome them. The session will focus on the following issues:

- Various kinds of Immersive Technologies and their practical applications.
- How Immersive Technologies can transform broadcasting sector including its use in content creation, visual effects and enhancing audience experience.
- Challenges and risks in adopting and implementing Immersive Technologies and how to overcome those challenges.
- Policy measures to realize the benefits and mitigate the risks of Immersive Technologies

2. D2M and 5G Broadcasting: Opportunities and Challenges

The emergence of various new technologies has brought about new opportunities and challenges for terrestrial broadcasting. This session discusses the underlying technologies and architectures that enable seamless digital TV content delivery to mobile devices such as smartphones and tablets. There are various terrestrial technologies including 5G Broadcast and ATSC 3.0 which are IP-based. Despite the promise of these technologies, several challenges must be addressed for widespread adoption. The session will focus on the following issues:

- Various D2M technologies with their advantages and limitations.
- Sustainable business model and implementation challenges including building of infrastructure and availability of affordable device ecosystem.
- Effective and efficient utilization of spectrum and regulatory issues.

3. Digital Radio Technology: Deployment Strategies in India

The session will discuss various digital radio broadcasting technologies and systems, including a cost/benefit analysis and the interoperability of digital terrestrial systems with existing analogue networks. The session will delve into the required policy framework for digital radio broadcasting in India, encouraging all stakeholders to work collectively to develop the ecosystem for digital radio broadcasting. The session will mainly focus on the following issues:

- Various digital radio broadcasting technologies and systems
- Advantages and new features in digital radio systems
- Frequency bands and channelization plan for Digital Radio
- Coexistence of digital radio systems with existing analogue radio networks
- Simulcast of FM and Digital radio signals.
- Roadmap and transition methods for migration from analogue radio to digital radio for private FM broadcasters.
- Points to be considered for the policy framework for Digital Radio Broadcasting.