



Confederation of Indian Industry



**CII**  
**National Telecom Summit**  
 5G – Enable, Emerge and Elevate  
 Thursday, 15 Dec 2022 : The LaLiT, New Delhi



### A Digital India Mission

#### Programme

<b>1000 - 1100 hrs</b>	
<b>Inaugural Session: “Recreating with 5G – Enable, Elevate and Emerge”</b>	
<p>5G was rolled out by Prime Minister Shri Narendra Modi on 1st October 2022 with the aim to cover 200 cities by March 2023, along with a plan to cover the entire nation by end of next year.</p> <p>5G is critical to India’s digital ambition that helps to cater to the evolving need for higher speed network infrastructure and plans to connect the emerging smart cities, industrial automation, and connected devices (IoT), among others as part of the nation’s developments. In the post-spectrum phase, it is very crucial for operators, OEMs, and the Government to progress with the 5G rollout process. 5G will bring newer innovations on diverse sectors including the Automotive, Ed-tech, and Media &amp; Entertainment industries followed by others.</p> <p>The shift from 4G to 5G will provide an opportunity for telcos to move beyond providing just the connectivity services and develop a high-speed reliable internet solution with the potential to serve the rising bandwidth requirement across consumers, industries, and entire ecosystems. This summit will seek to address the following:</p> <ul style="list-style-type: none"> <li>• Why there is a need for 5G and what are its advantages over the existing 4G services?</li> <li>• What are some of the policy interventions that might come in with respect to security/data privacy?</li> <li>• What are the technology innovations to deploy the 5G network orchestration?</li> <li>• What is in store for the ecosystem stakeholders, business collaboration opportunities and what is their gameplay?</li> </ul>	
<b>Release of CII- Deloitte Whitepaper on “5G – Enable, Elevate and Emerge”</b>	
1100 hrs	Inaugural Session Concludes

<b>1100 - 1200 hrs</b>	
<b>Panel Discussion I: “Sneak-Peak into the 5G Infrastructure”</b>	
<p><b>Background:</b></p> <p>The importance of 5G mobile network infrastructure is growing along with the need for reliable network performance in various use cases ranging from sporadic data bursts to fast and reliable low latency transmission. The Government is investing heavily in the network infrastructure to ensure accessibility in every village and city across the country. Providers are coming up with private 5G network offerings with control over data, security and networks for enterprises with dedicated bandwidth to enable ultra-reliable low latency use cases across industries.</p> <p><b>Discussion points:</b></p> <ul style="list-style-type: none"> <li>• What infrastructure is required for faster 5G implementation and how will indigenization help?</li> <li>• How will the 5G rollout bridge the gap between Urban and Rural India?</li> <li>• Future of the 5G Infrastructure market in India and readiness of domestic manufacturers?</li> <li>• What collaborations are happening in the industry in 5G infrastructure and its impact on the Indian Telecom Industry?</li> <li>• How are tower companies, operators, and OEMs beating the competition?</li> <li>• Deployment of Standalone vs non-Standalone infrastructure and what is beneficial for PAN India rollout?</li> <li>• What is the current status of fiberization in India and will 5G help fill gaps left behind by slow progression of fiberization projects against the National vision of providing high-speed internet?</li> </ul>	
1200 hrs	Session Concludes
1200 – 1215 hrs	Tea / Coffee Break

**1215 – 1245 hrs**  
**Fireside Chat-1: “Service innovation through 5G (use cases)”**

**Background:**

Implementing 5G will have massive impact on the world with new era of smart, connected and automated things. Enterprises are leveraging the benefits of 5G to improve existing situations or create new opportunities by using Internet of Things (IoT). 5G-enabled IoT + edge computing + AI = faster data capture, analysis, and business insight to improve operations, customer and employee experience, streamlining supply chain and more.

The vision for 5G is that it could support an IoT that isn't just collecting data and sending alerts but automating actions in response to that data. 5G will give communication service providers the ability to serve a multitude of use-cases and use-places with lightning-fast connectivity. From smart phones to smart factories, 5G is the open innovation platform that enables society to take the leap towards a smarter, safer, and sustainable future. Whereas non-standalone infrastructure might inherit all the vulnerabilities of previous generations. The telecommunications bill also aims to enable a legal framework to prevent the harassment of users from unauthenticated sources.

**Discussion Points:**

- How will 5G revamp the automation process for enterprises?
- What are some of the use cases that can be seen in the auto/manufacturing space?
- What are some of the other sectors where we are seeing a great implementation use case like healthcare, M&E?
- How is the on-ground implementation impacting an end consumer and will there be a need to revision of certain policies as the world gets a massive data increment, thanks to 5G?

1245 hrs

Session concludes

**1245 – 1315 hrs**  
**Fireside Chat-II: “Evolving the mobile engagement game with 5G tech”**

**Background:**

With the on-going advancement in smartphone applications and increasing demands to provide a smooth customer experience via user-friendly applications, smartphone devices might require a faster processing capacity with seamless network connectivity. The rollout of the 5th-gen unified connectivity fabric is expected to cater to the demand for high-speed performance, which will enable smartphone users to experience real-time applications.

The 5G technology will drive the user experience up by several notches through its enhanced features offered at a better speed. 5G is expected to immensely transform mobile app development, where 5G-powered mobile apps will allow users to experience progressive technologies such as IoT, 4K video streaming, cloud gaming, and immersive realities (AR & VR), among others

**Discussion points:**

- How underlying technology of 5G will help evolve consumer behaviour /consumption of data and devices
- What will the second data revolution in India bring with itself – a complete makeover of the mobile screen?
- With a new infra and technology upgrade providing the speed and agility demand of 5G technology, will there be a new intervention of GOI on policy revamp like privacy matters
- With the enhancements 5G has brought in, will there be an increase in demand of fast processor manufacturing and if this will also mean a leaning effect or opportunity of employment?

1415 hrs

Session concludes

**1315 – 1415 hrs**  
**Panel Discussion II: “5G: A Prelude to Innovation of Digital India”**

**Background:**

In our hyperconnected era, the requirement for networked devices will increase manyfold and may reach more than three devices for every human being on the planet. Several 5G-related proof-of-concept tests are being conducted in different business fields, including automotive, healthcare, security, construction, farming, retail, and entertainment (virtual reality (VR), augmented reality (AR)) among others.

Underlying technologies of the 5G framework such as EMBB (Expanded mobile broadband), URLLC (Ultra-reliable low latency communications), M/HMTC (Massive/High machine type communications), and V2X (Vehicle to everything) is poised to become crucial part of the networks that link machines and people. The fusion of 5G with the Cloud, data centers, AI, and ML is expected to generate new and unconceived services and applications

**Discussion points:**

- How underlying technology of 5G will help in realizing the true potential of IoT in India and will this lead to a second data revolution in India?
- 5G enabled devices requirement and domestic/international manufacturer's readiness?
- What will be the landscape of telecom operator's revenue, and will they be able to benefit from 5G?
- How the technology enablers will impact the uptake of next-generation solutions for use cases of 5G, such as connected & self-driving cars, VR & low latency mobile gaming, and data analytics among others?
- New product/service offerings based on 5G technology?
- With the enhancements 5G has brought in, will existing solutions like FWA and Small/Nano cell will become key enablers for operators?

1415 onwards

Networking Lunch & Summit Concludes