

Global mobile
Suppliers
Association

**India Spectrum Management
Conference
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Key Messages

- **Research and deployments:** 6G research is globally accelerating. IMT-2030/6G specifications to be completed by 2030 (ITU-R Working Party 5D in cooperation with external organisations such as 3GPP). Commercialisation target of around year 2030 is expected for initial 6G deployments
- **Spectrum needs:** 6G will need the combination of various frequency ranges to meet coverage and enhanced capacity requirements as well serve new emerging use cases. At least 500 MHz per network of new wide-area spectrum is estimated to be needed in addition to the re-use of existing spectrum.
- **WRC and spectrum:** WRC-27 agenda item 1.7 to study the following bands: 4.4-4.8, 7.125-8.4 and 14.8-15.35 GHz. In addition to bands under AI 1.7, countries may consider and study bands outside the ITU WRC-27 process.
- **Standardisation, harmonisation and regulation:** As research and standardisation of IMT2030/6G is still ongoing, sharing and coexistence with other Radio Services could be reflected in that process. Global/regional harmonisation (spectrum, standards, timing, etc.) remains critical. New bands for 6G will be needed and would be beneficial.
- Recently Government of India launched their 6G Roadmap through Bharat 6G Alliance. It would be important for India to adopt that 6G spectrum roadmap and make spectrum available for launch of 6G in mass market by 2030 – clear signal to investors /stakeholders
- Incentivize/support the creation of 6G eco-system - policy and industrial initiatives would be key for success
- Define policies to reduce technical complexity and increase business opportunities for 6G

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Mobile Ecosystem

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