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Brief on Bharat 6G Vision

- Technology Innovations Group constituted by DoT November-2021
- Task Forces on 6G
 - Multi-platform Next Generation Networks
 - Devices
 - Spectrum Policy
 - Multi-disciplinary Innovative Solutions
 - International Standards Contribution, and
 - Financing Research and Development

Bharat 6G Vision



... Indian innovation for the world

Bharat 6G Alliance

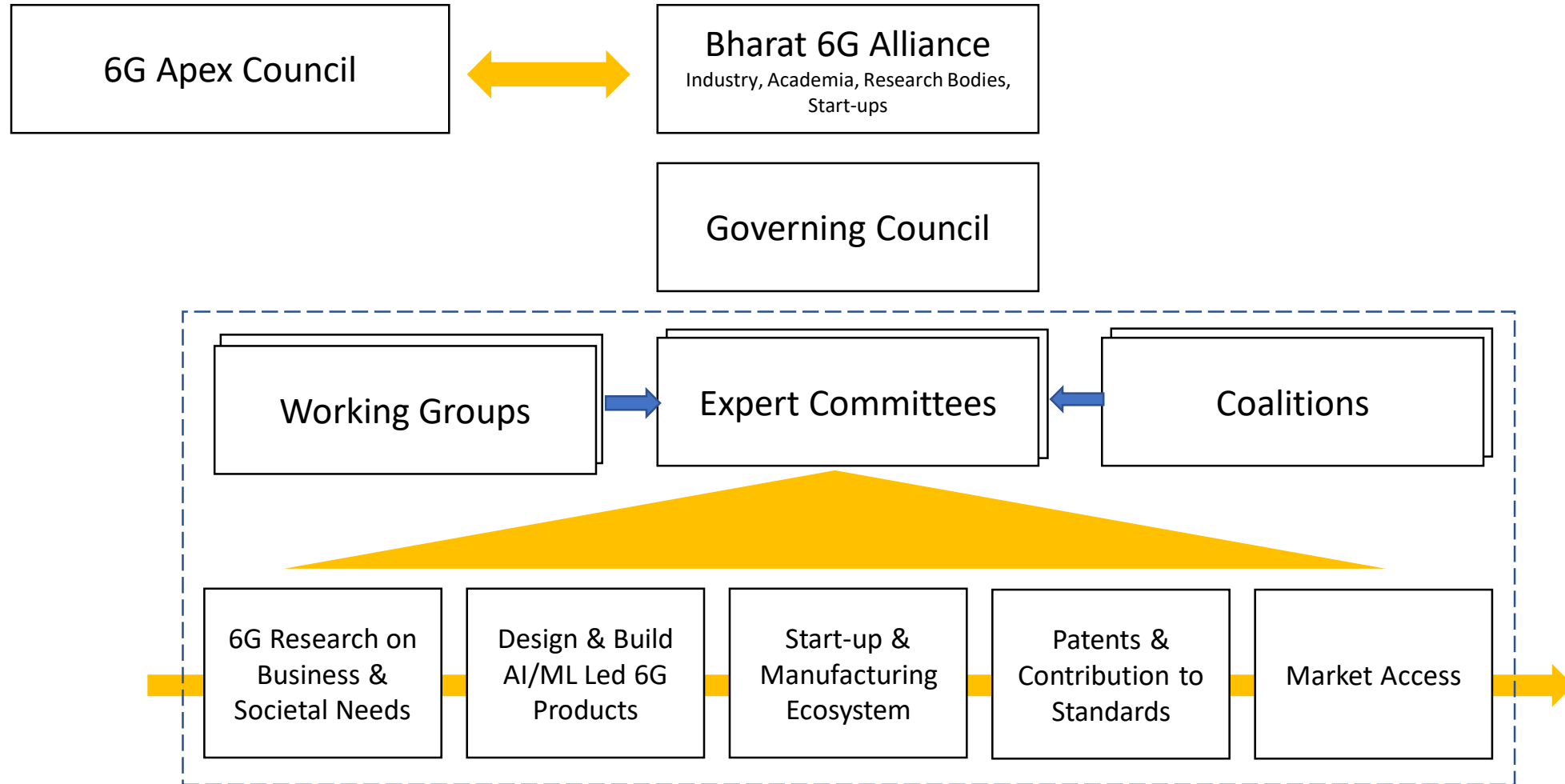
Facilitate Realisation of 'Bharat 6G Vision'

B6GA is an industry led body consisting of public/private companies, academia, research institutions and Standard Development organizations

- Understand business and societal needs 5G advanced and 6G technology i.e. coverage, capacity and experience
- Build consensus on such needs, promote high impact Open R&D and pursue pre-standardization efforts
- Help design & develop AI/ML led Open 6G RAN products and solutions
- Ensure availability of 6G test beds and access to 6G / 6G RF / AI-ML chipsets
- Build consortia of Indian Startups, companies including manufacturing ecosystem
- Accelerate filing of patents from India and energize contribution to standards in 3GPP/ITU
- Facilitate market access for Indian telecom technology products & services
- Build coalition and synergies with like-minded 6G Global Alliances

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Facilitate Realisation of 'Bharat 6G Vision'



Working Group

- Spectrum
- Devices, Sensors and Manufacturing ecosystem
- Technology
- Applications
- Green and Sustainability
- Outreach, and
- 6G Use-cases and Revenue Stream

Task Force on Spectrum Recommendations

- Refarming of mid-band and sub 1-GHz spectrum
- Consideration of feasibility for 6 GHz and 10 GHz bands
- Consideration of candidate bands in mm Wave bands
- Exploration of feasibility of THz band, Options on secondary use of spectrum
- New spectrum ownership and sharing models enabling flexible spectrum allocation.
- Integration of emerging coverage solutions like Satellites, Drones, Unmanned aerial vehicles etc. and consider their spectrum requirements
- To identify co-existence and dynamic spectrum sharing study items



Thank you