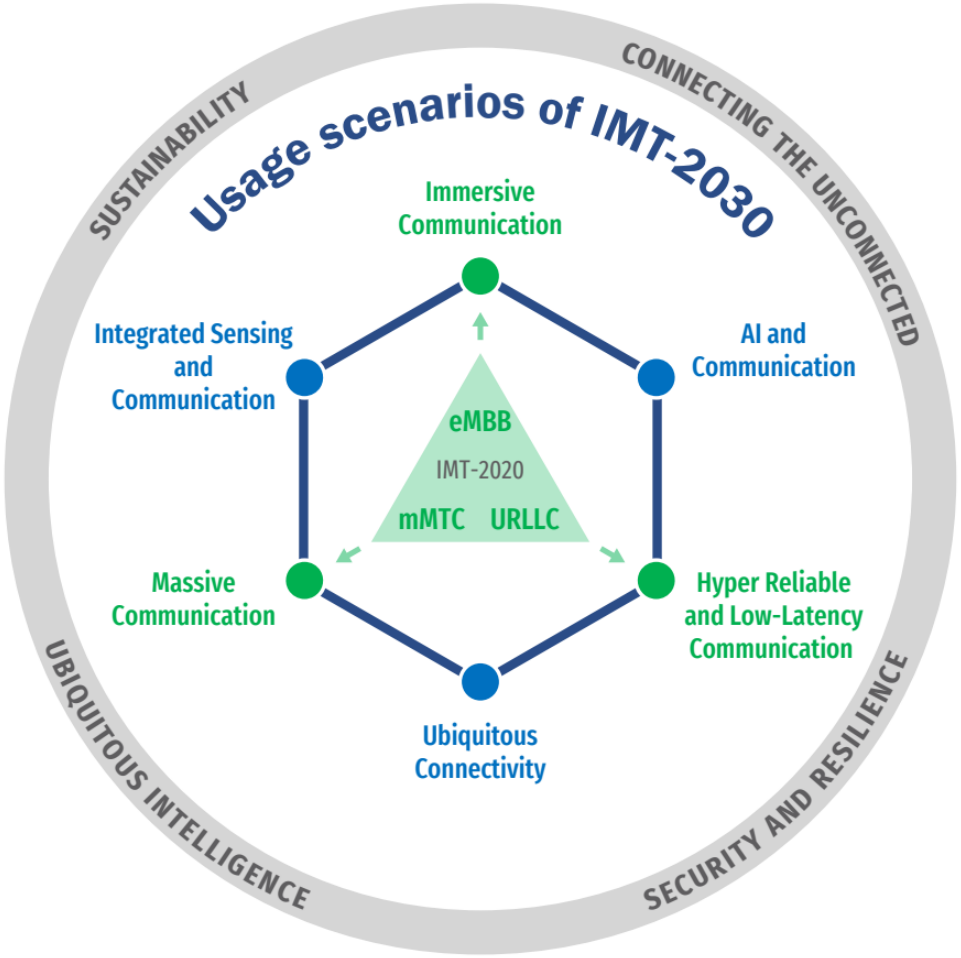
India's Path towards a successful leadership in 6G

Jishnu Aravindakshan

CTO's office

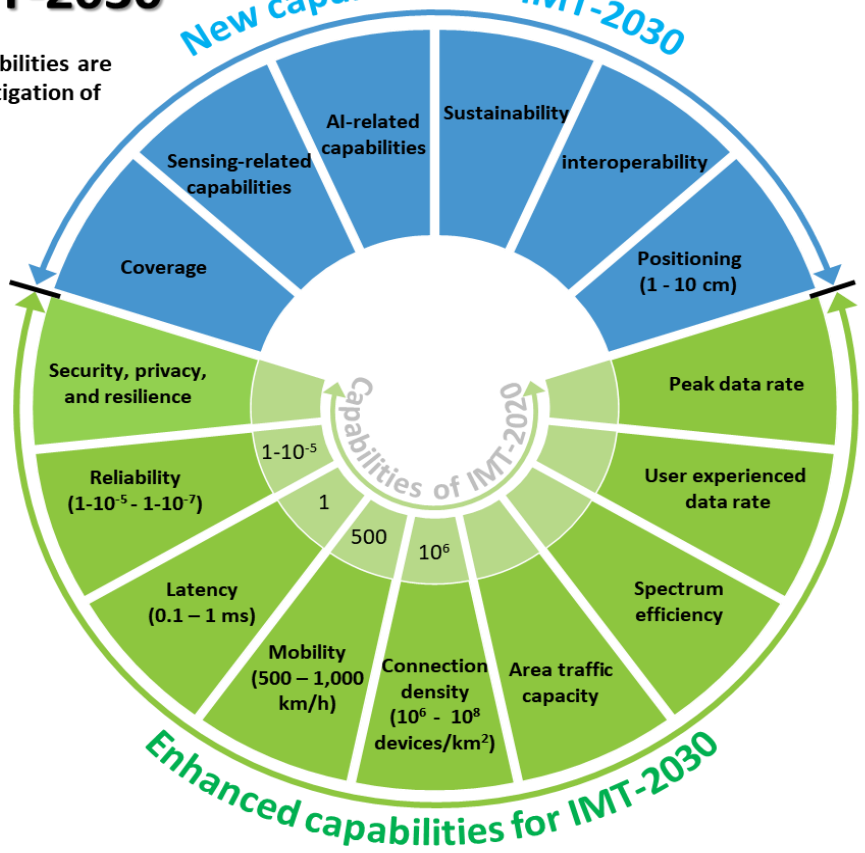
TEJAS® NETWORKS

6G/IMT-2030: Aligning with Indian 6G Vision



Capabilities of IMT-2030

NOTE: The range of values given for capabilities are estimated targets for research and investigation of IMT-2030.



ITU-R M.2160

ITU-R WP5D: Beyond Framework

Meeting 44

- Usage Scenario: Ubiquitous connectivity
- Capabilities: Coverage, Interoperability, Sustainability/Energy Efficiency
- ITU-R Vision/Framework (M.2160) Approved
- Indian delegation headed by DDG SRI

Meeting 45

- India submitted the first draft of minimum technical performance report (minTPR)
- Suggested a table for mapping Usage Scenario and Capabilities for evaluation

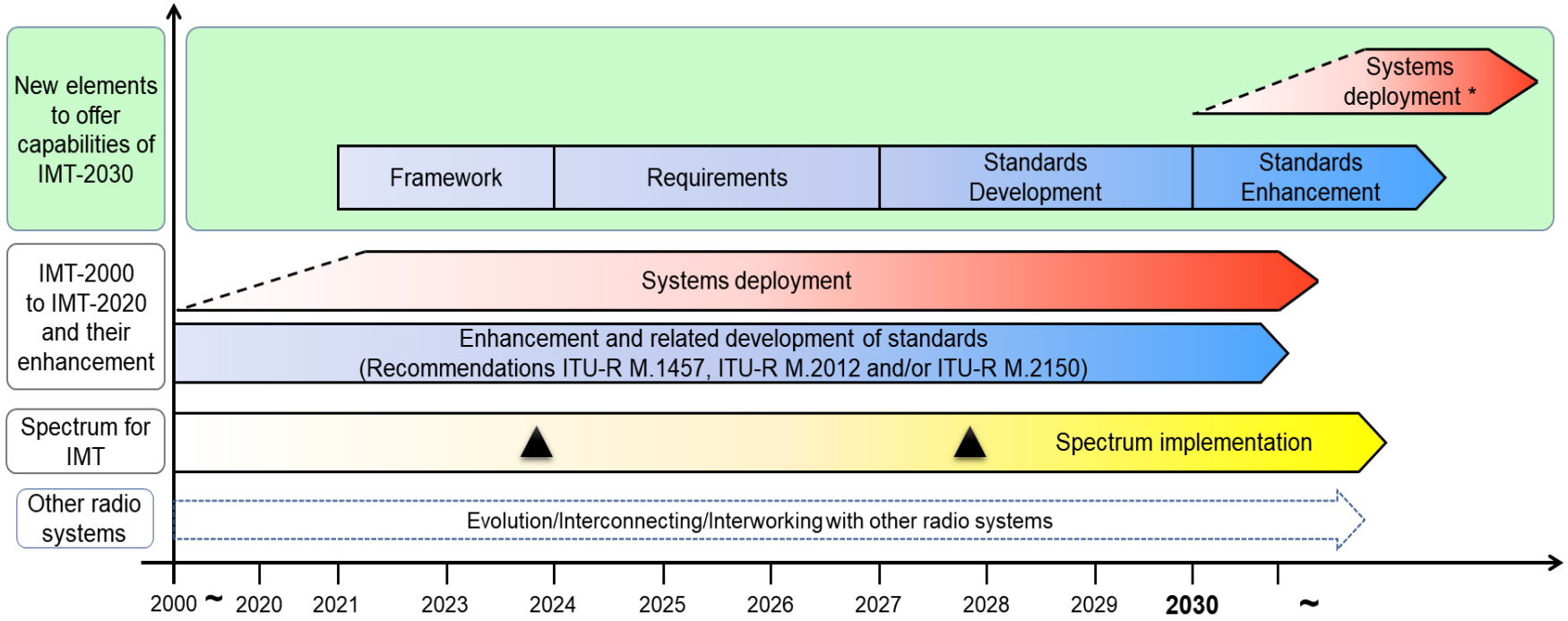
Meeting 46

- Specified the test environment and suggested possible minTPR tables.
- Suggested initial metric from Positioning, sensing
- Suggested AI for Network and Network for AI aspects for initial discussion

Meeting 47

- Specified test environment in [M.EVAL]
- Suggested more metrics for ISAC, table for with/without AI for AI&C
- Finalized the process

Timelines: Lot more work to be done.



The sloped dotted lines in systems deployment indicate that the exact starting point cannot yet be fixed.

▲ : Possible spectrum identification at WRC-23, WRC-27 and future WRCs

* : Systems to satisfy the technical performance requirements of IMT-2030 could be developed before year 2030 in some countries.
: Possible deployment around the year 2030 in some countries (including trial systems)

Standardization Window

2024 2030

TEJAS® NETWORKS

Thank you!

Contact Us:

[Email id here]

Contact Number here