5G Update

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Verizon 5G Fixed Wireless Activity

2105 – Lab Work

Early testing of basic features and capabilities

2016 – Field Technical Trials

Structured and systematic testing

2017 – Pre-Commercial Pilots

Multivendor environment

Full system testing (5GTF RAN + Core)

2018 – Limited Commercial Launch

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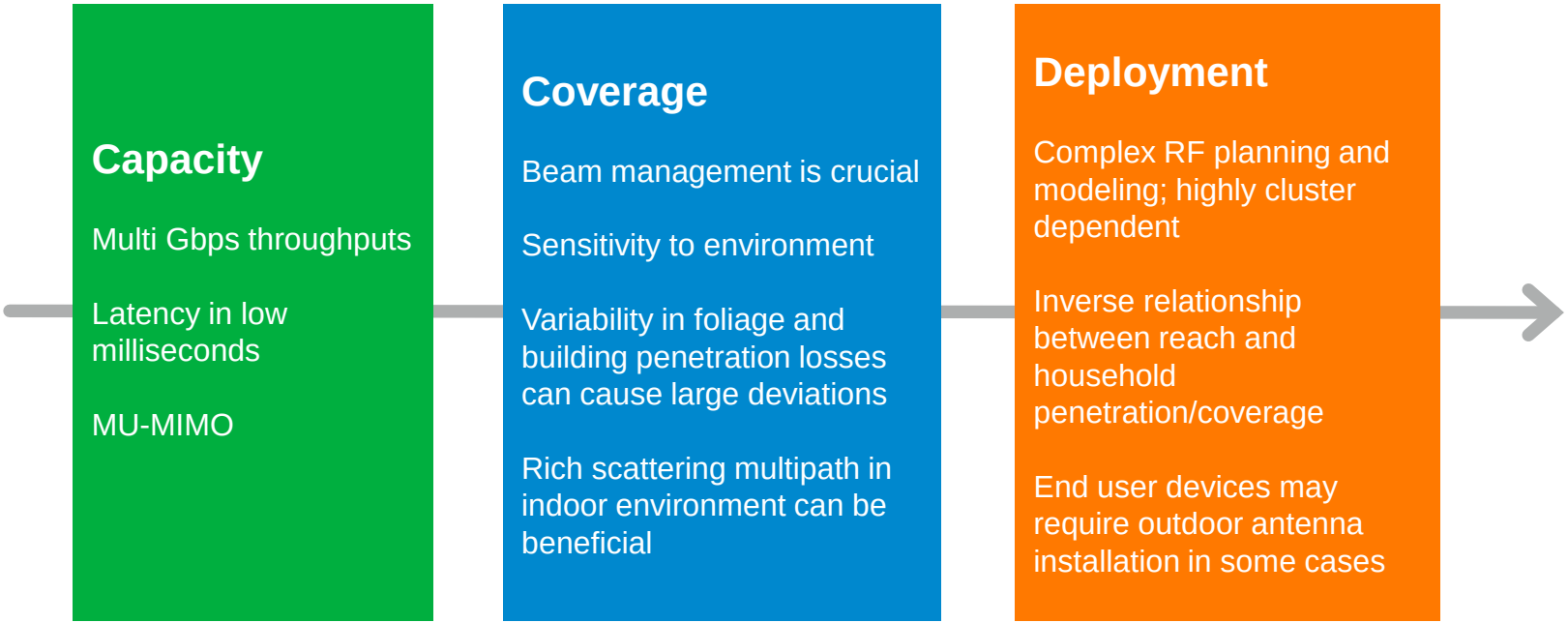
Key Learnings and Challenges @ 28 GHz



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Non-Technical Deployment Considerations

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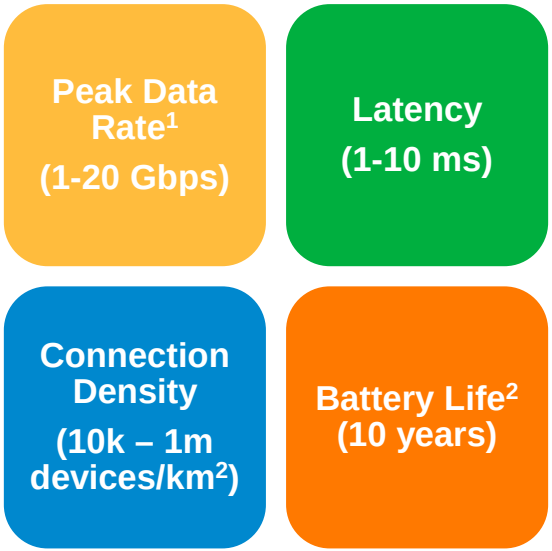
Key Expectations of 5G



Additional 5G enhancements:
Network density
Area traffic capacity
Network reliability/availability
Position accuracy
Security
Energy efficiency

[1]Peak data rate is spectrum dependent
[2]For low power IoT devices in ~ 1 GHz band

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Thank you.

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