



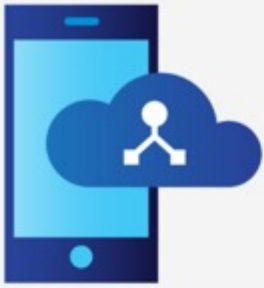
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**2021 Fall
Technical Forum**
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Converged Networks and Mobility

Greenfield Mobile Network Considerations

Ravi Guntupalli

Director of Technology
Cisco Systems



**VIRTUAL EXPERIENCE
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Agenda

- E2E Architecture Options
- Deployment Considerations
- Summary

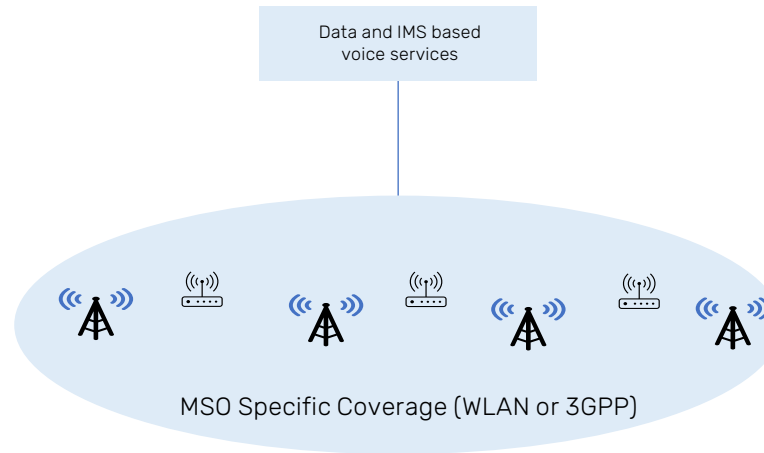
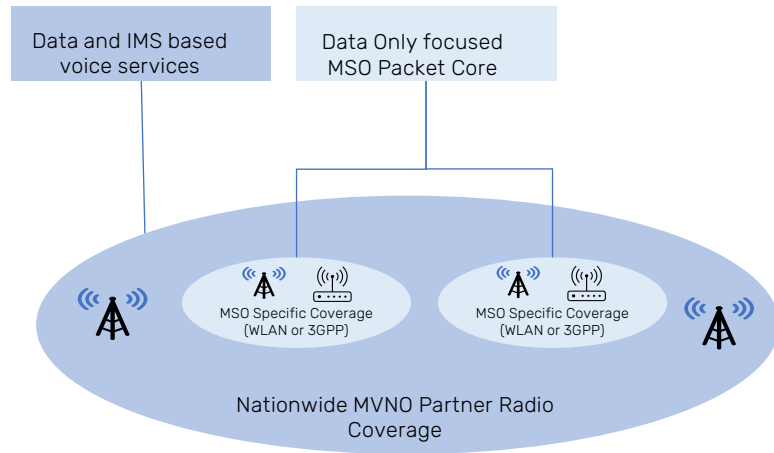


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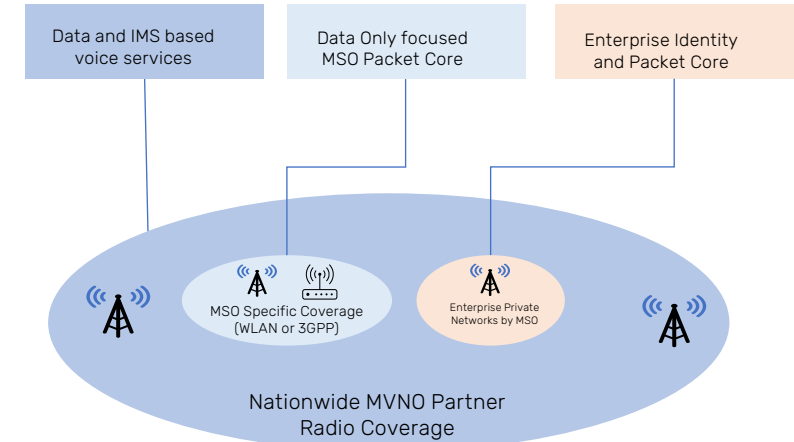
E2E Architecture Options

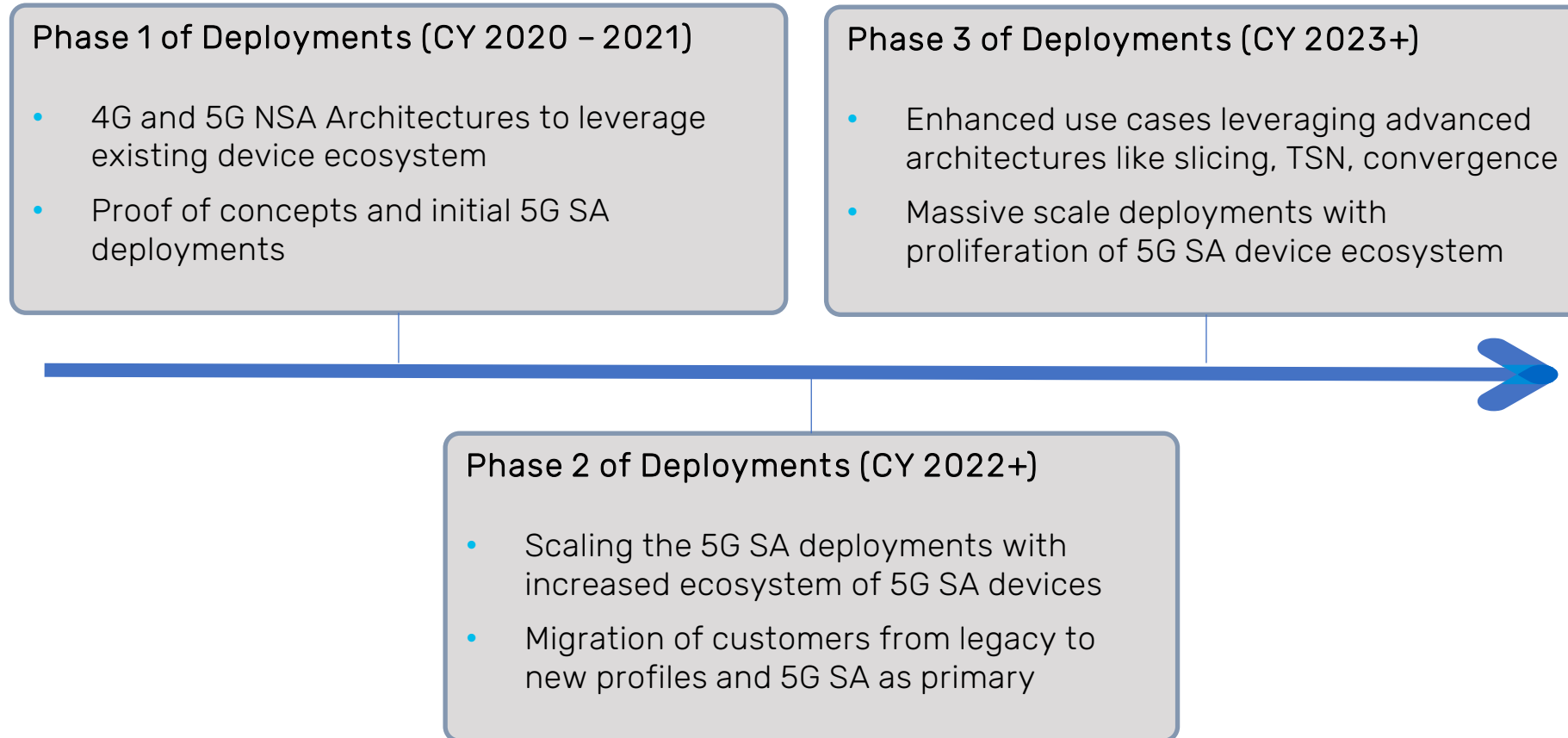
MNO Partnership



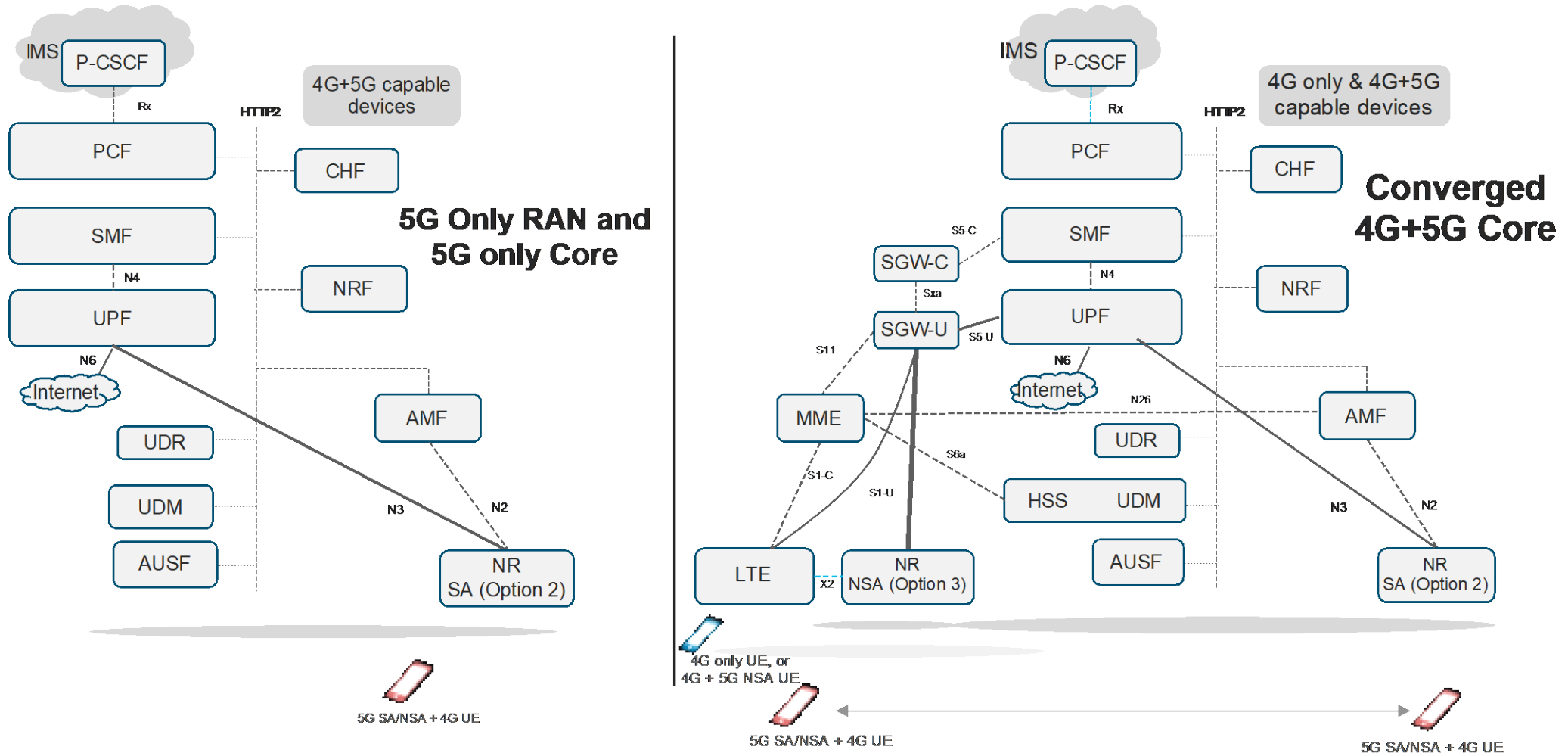
Nationwide Network

Private Networks





Converged 4G+5G Core architecture vs. 5G SA architecture

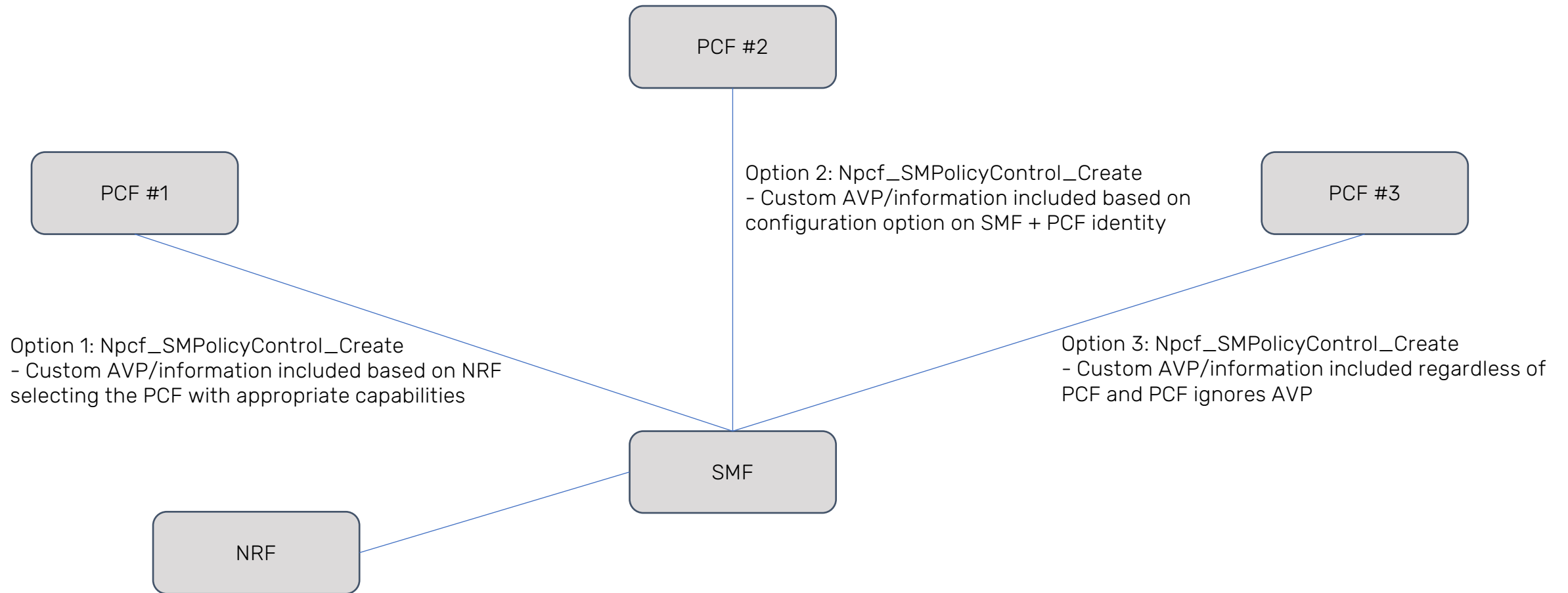


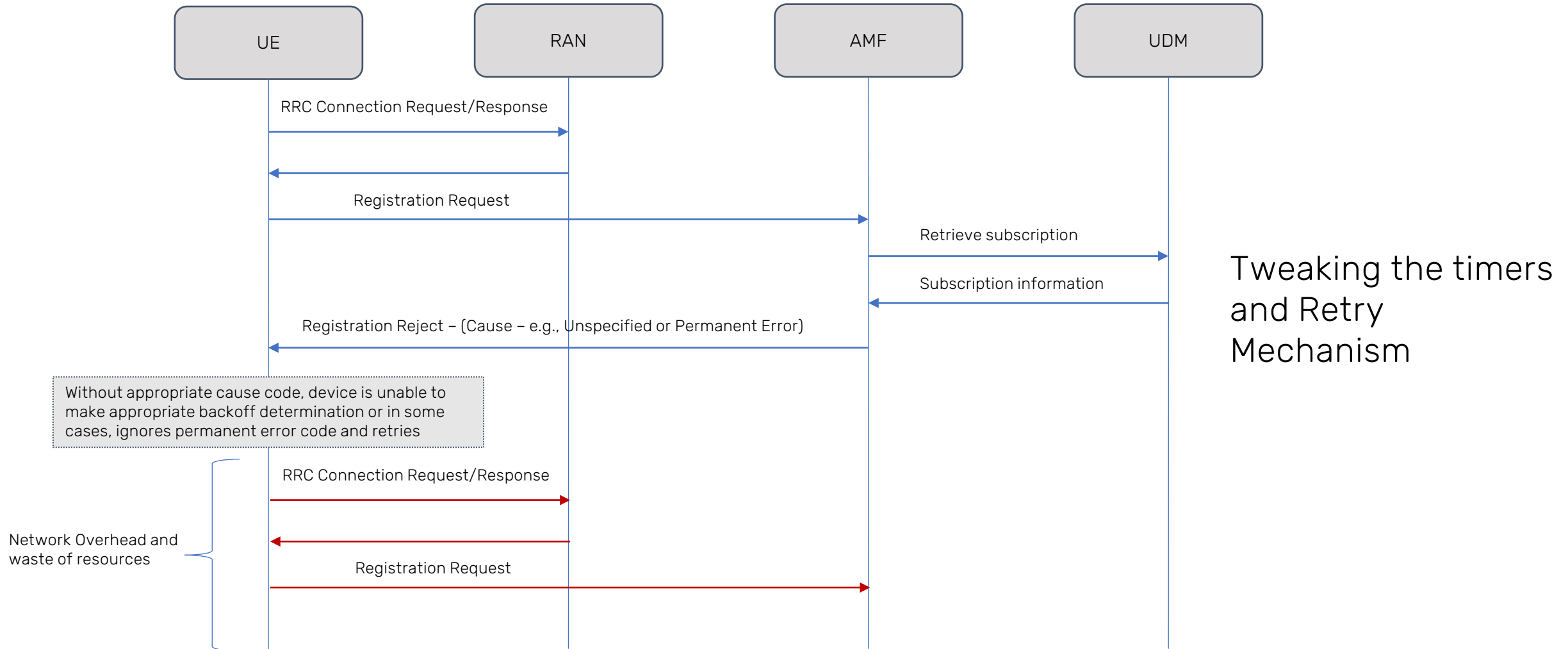


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Network Deployment Considerations





Other topics to consider

- Virtualization Stack
- Convergence Strategy
- Support of Voice Services
- Support for lawful interception
- Roaming partnerships and relationships – global and local
- RAN Architecture considerations
- SIM profiles and Device Management
- Network Failures and Recovery

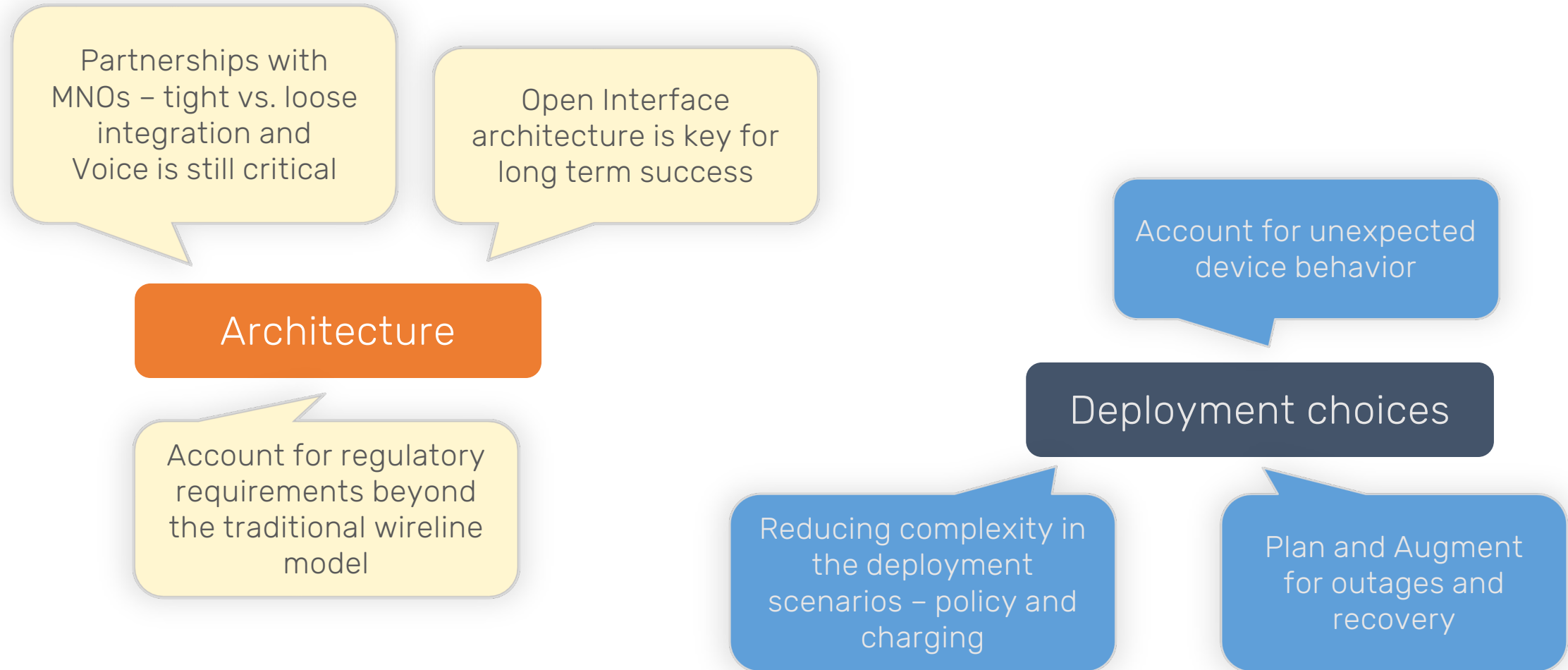


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Summary

Plan for unexpected and let's use learnings from past LTE Deployments





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Thank You!

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