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Converged Networks and Mobility

Greenfield Mobile Network Considerations

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Agenda



- E2E Architecture Options
- Deployment Considerations
- Summary





E2E Architecture Options

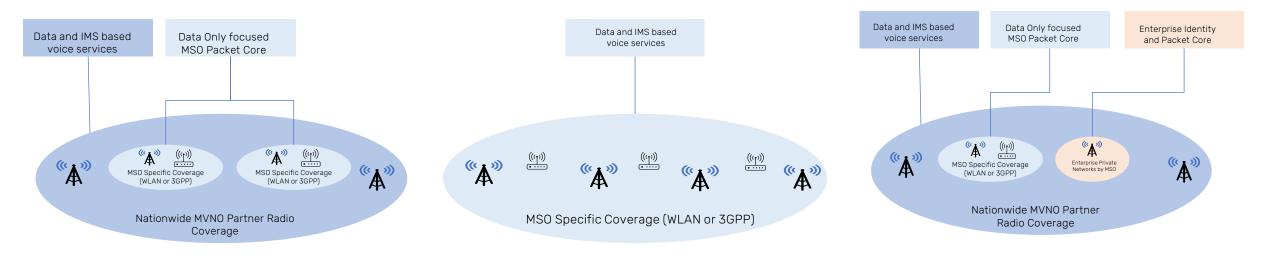


Options for MSO Deployments



MNO Partnership

Private Networks



Nationwide Network



- 4G and 5G NSA Architectures to leverage existing device ecosystem
- Proof of concepts and initial 5G SA deployments

Phase 3 of Deployments (CY 2023+)

- Enhanced use cases leveraging advanced architectures like slicing, TSN, convergence
- Massive scale deployments with proliferation of 5G SA device ecosystem

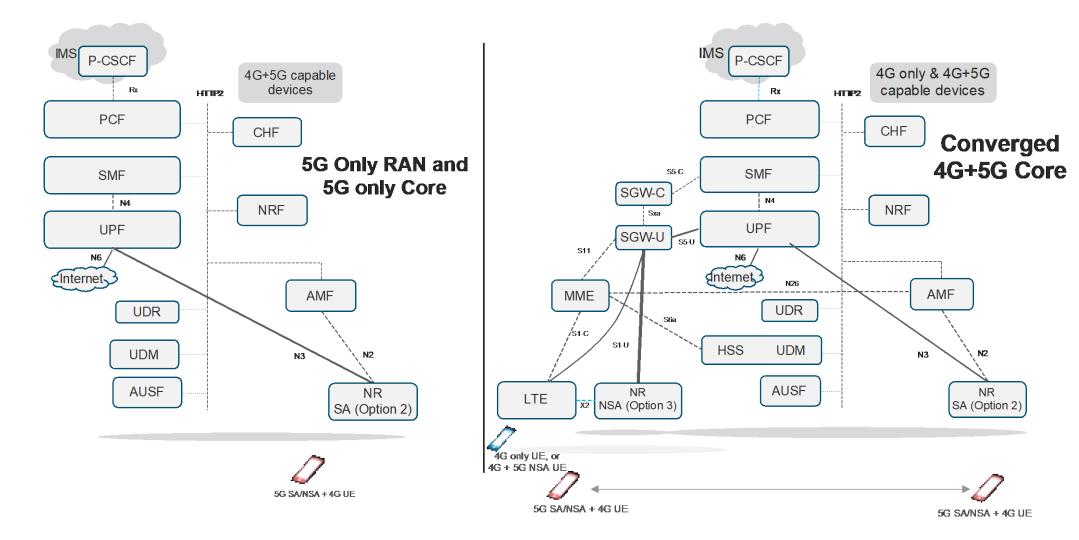
Phase 2 of Deployments (CY 2022+)

- Scaling the 5G SA deployments with increased ecosystem of 5G SA devices
- Migration of customers from legacy to new profiles and 5G SA as primary

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





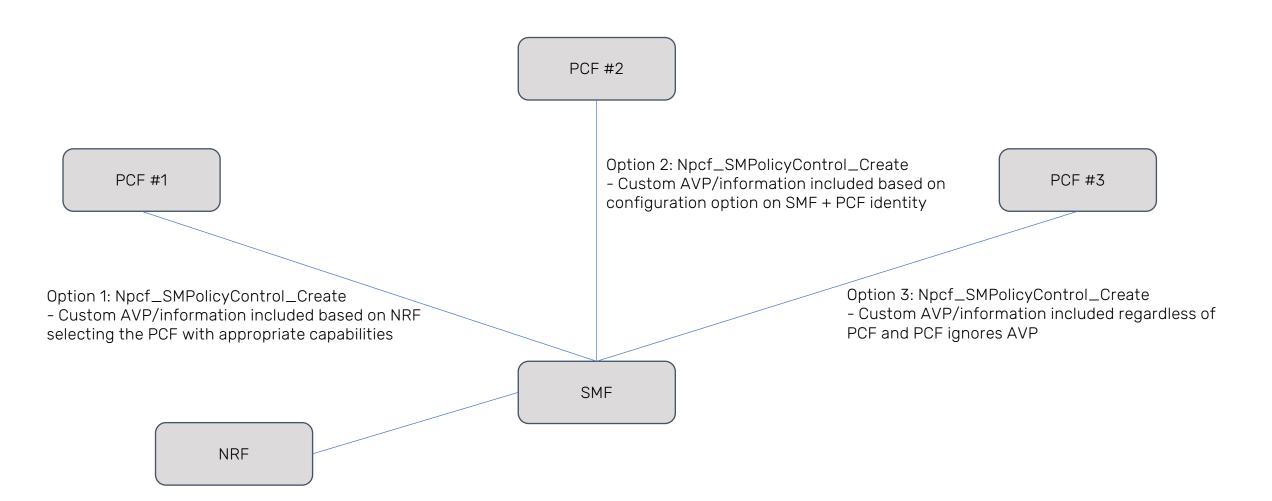




Network Deployment Considerations



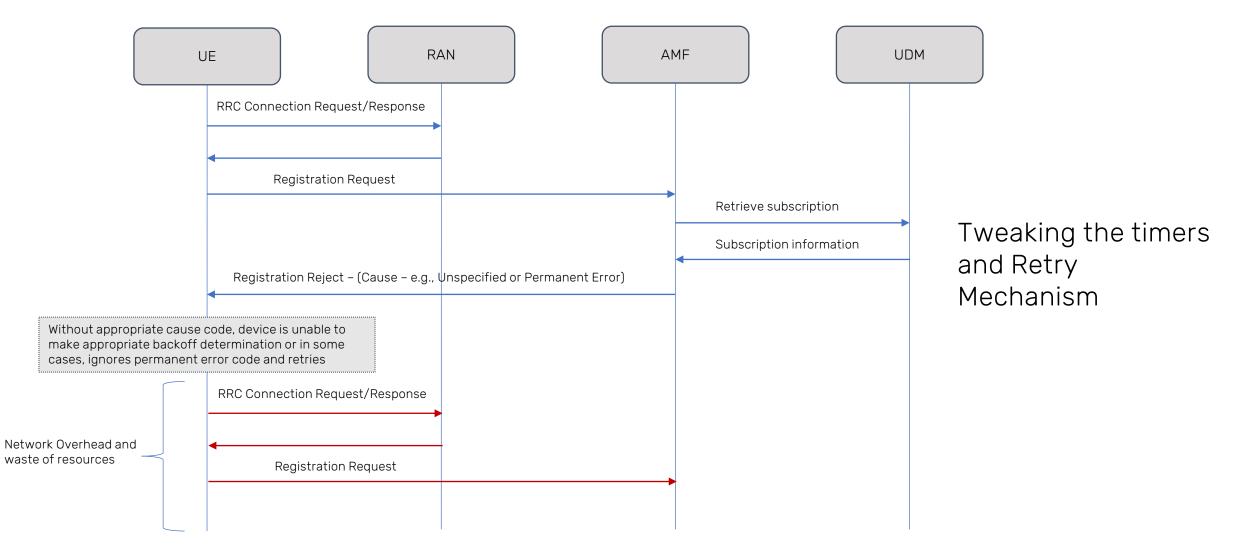
Interoperability with Custom Extensions



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Other topics to consider

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- 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



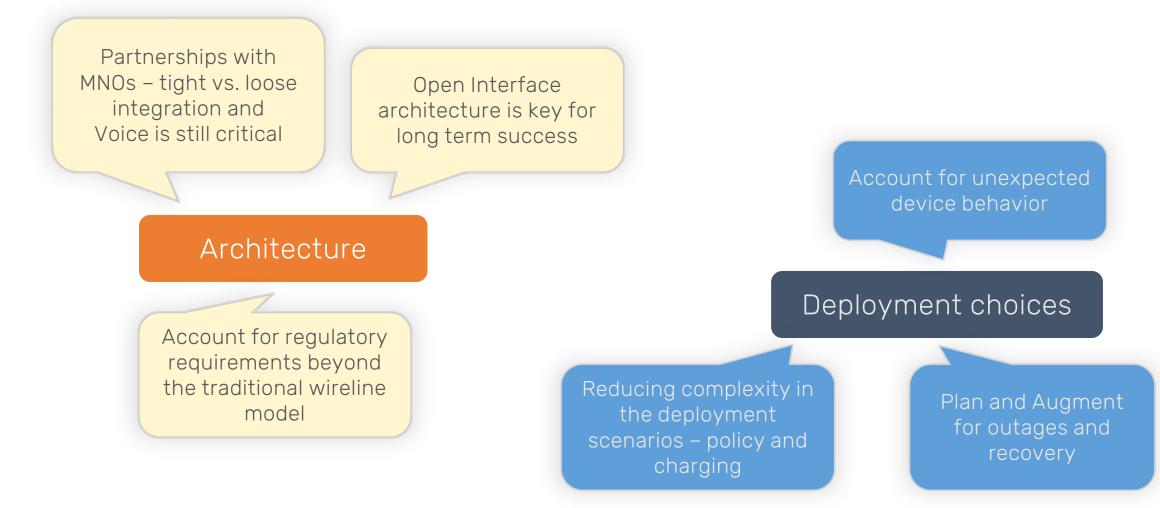
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Thank You!

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