

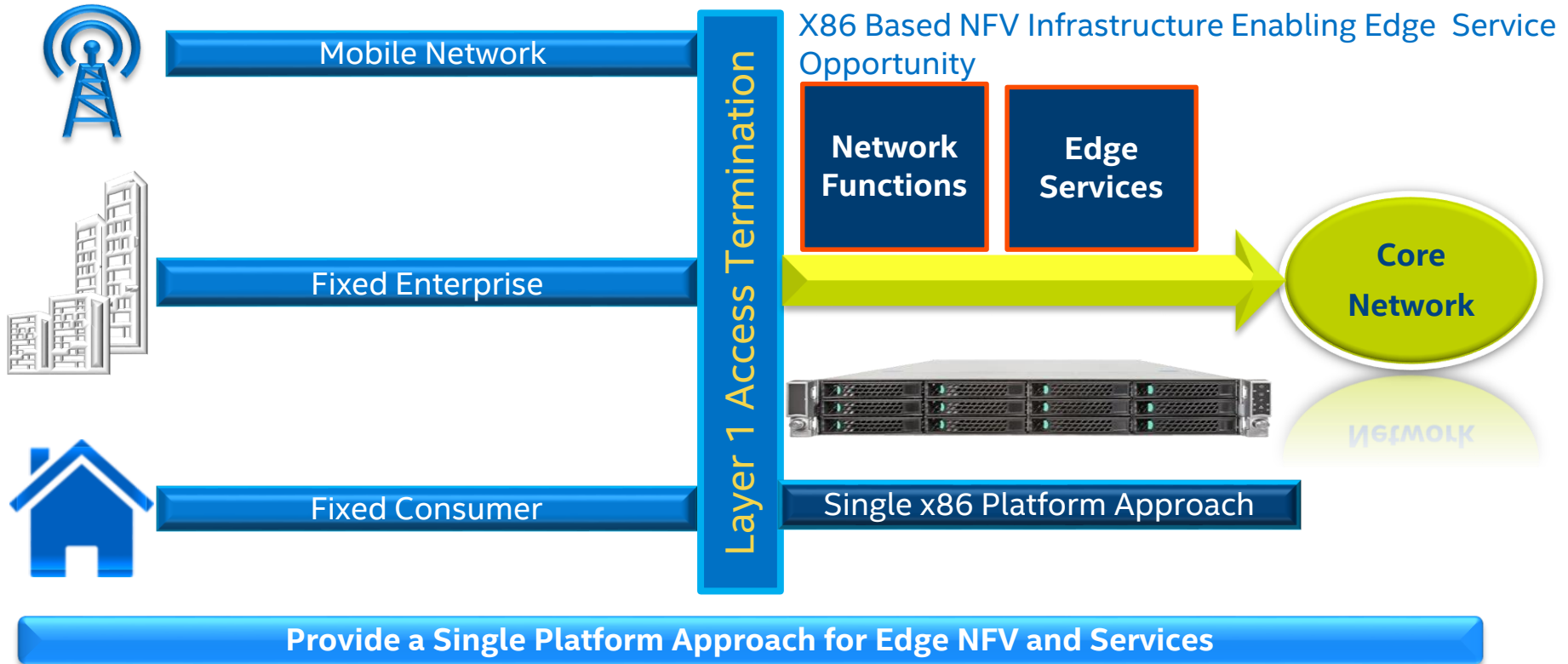


NETWORK TRANSFORMATION MULTI ACCESS EDGE COMPUTE & NEXT GENERATION CENTRAL OFFICE – NGCO

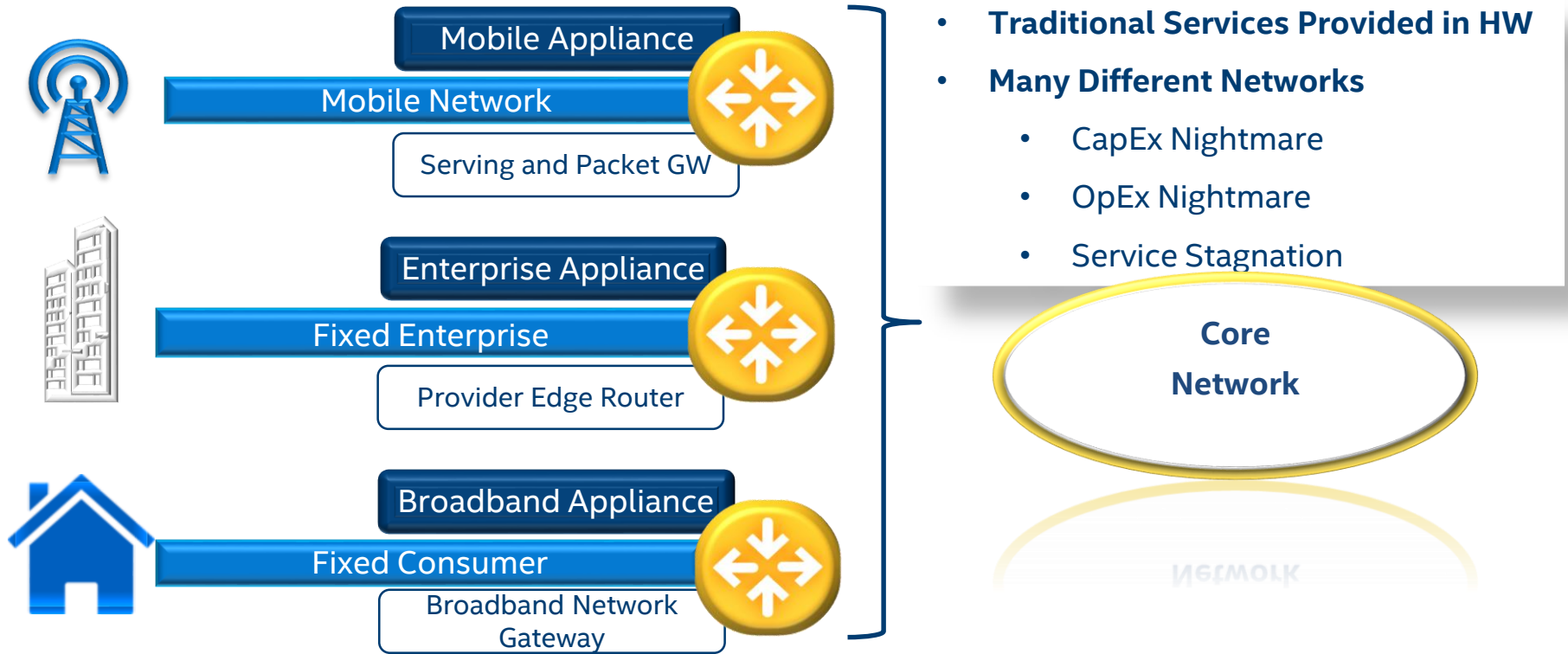
Alexander Quach - Alex Quach - Vice President & General Manager Wireline and Core Networking Division, Network Platforms Group

Intel Corporation

NGCO Platform Concept

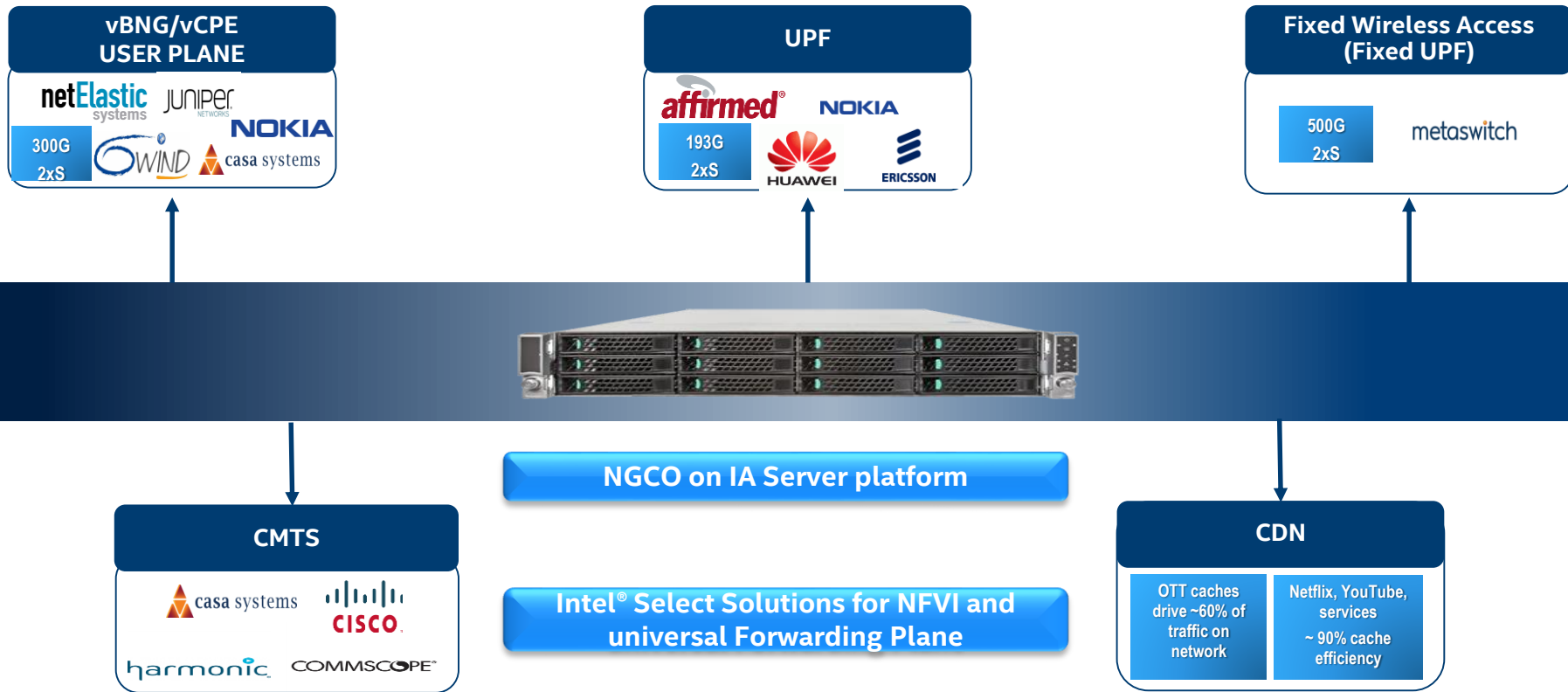


CoSP Problem Statement: Too Many Networks



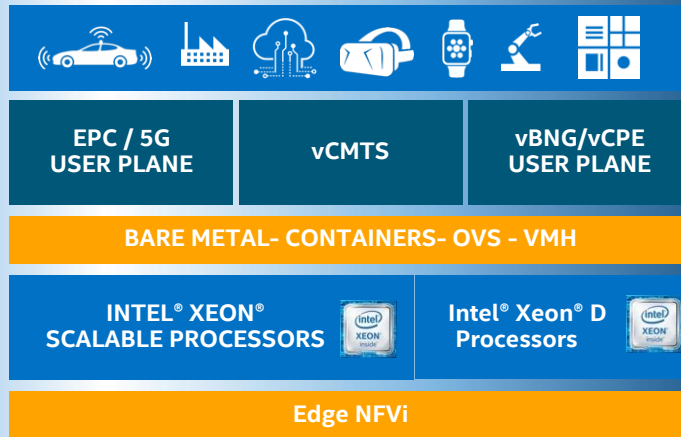
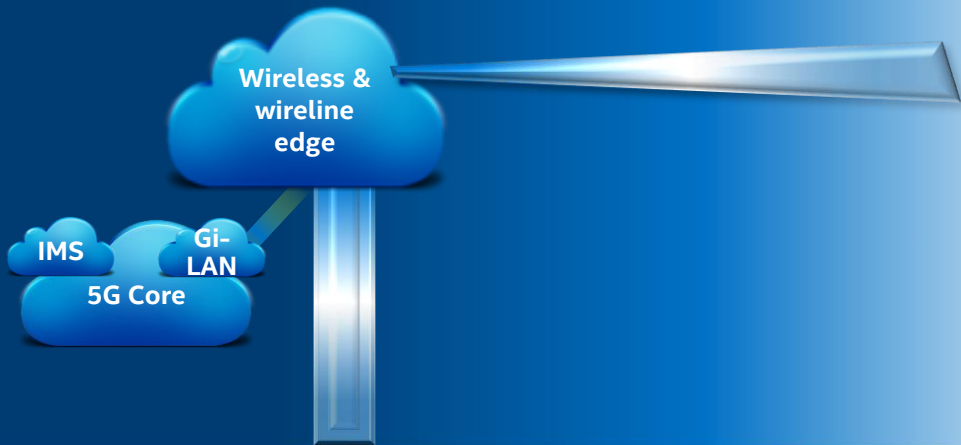
Multiple Networks Delivering Similar Services – ARPU Dropping

VNF Performance on NGCO



Re-Architecting Next Generation Central Office

NFVI Solutions

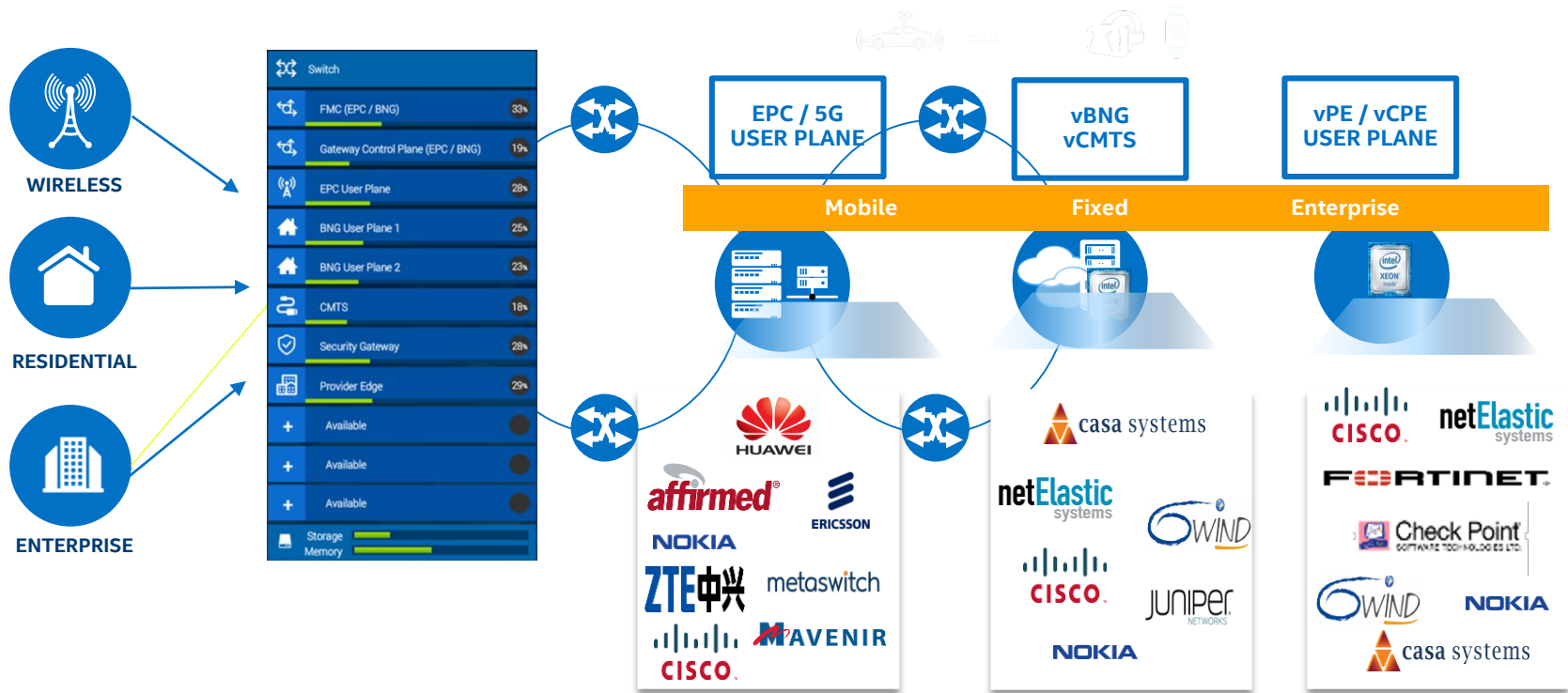


150G-200G per socket BW

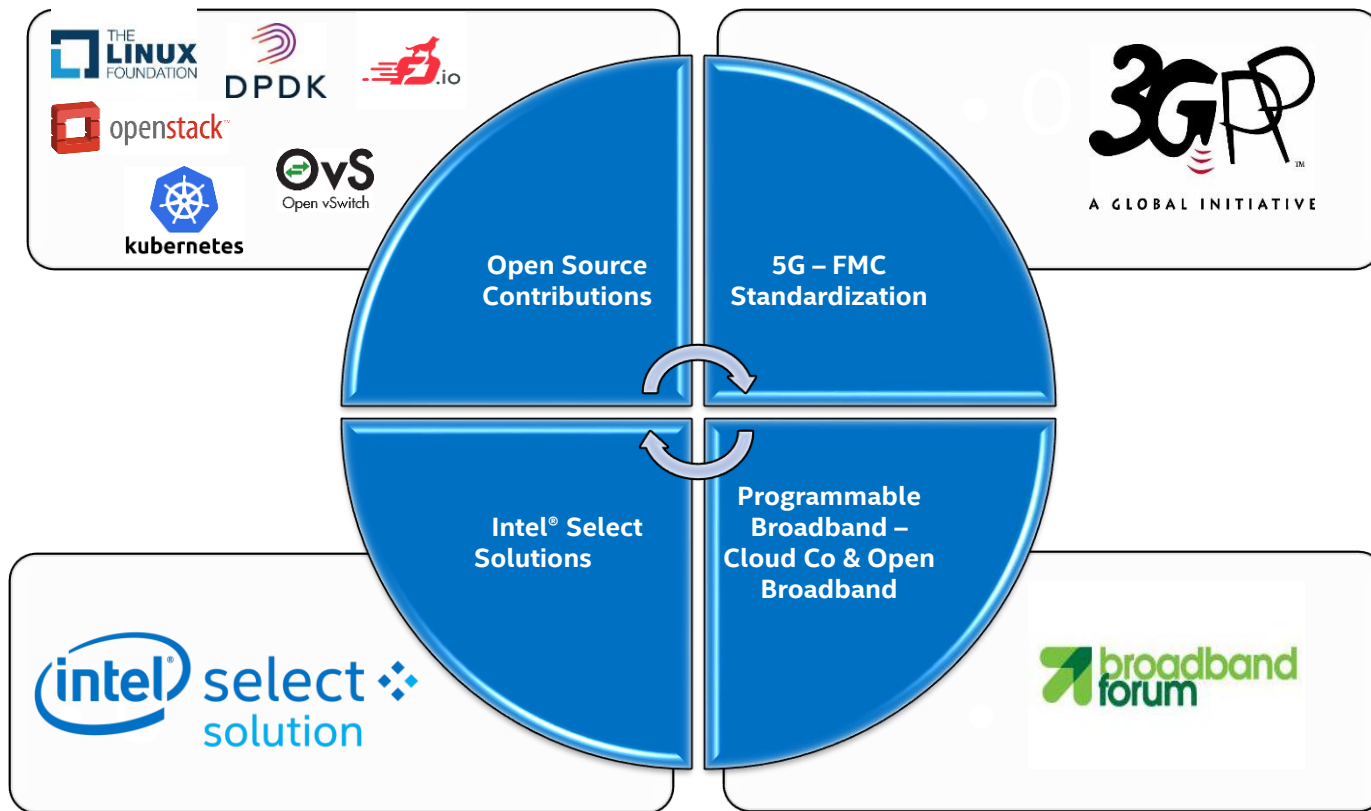
Balanced IO configuration

Re-Architecting Next Generation Central Office

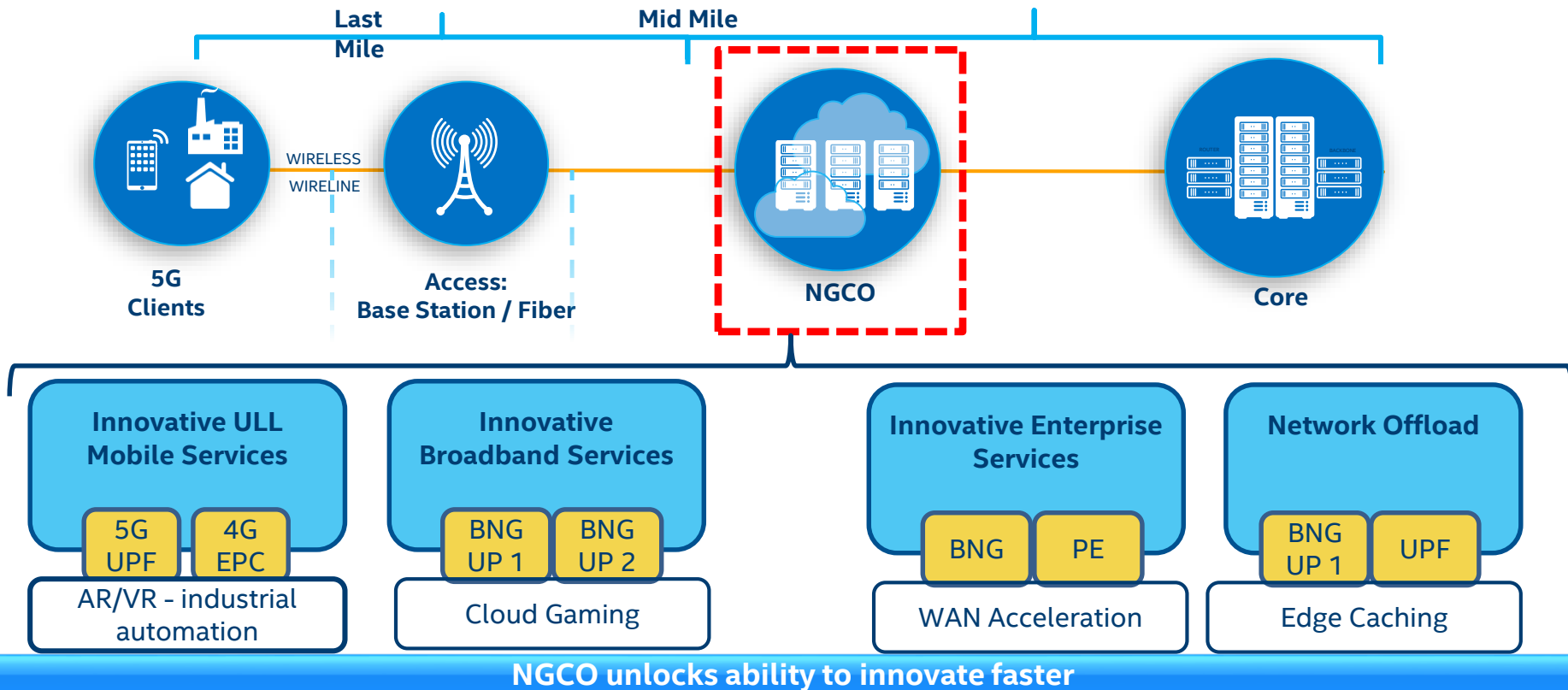
Example VNF vendors



Standards – Ref Designs- Open Source Contributions



Use Cases: New Services



Summary & Call to Action

- CoSPs currently maintain separate NWs
- Converge on single NGCO architecture
- Power & Cost savings, unlock Innovation
- Work with Intel to re-architect the Central Office to take advantage of the 5G future.



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