

5G-MONARCH

5g-monarch.eu

Flexible & Adaptive 5G Architecture

Support E2E Network Slicing

- Spanning network domains and Management & Orchestration layer
- Cross-slice and intra-slice network functions

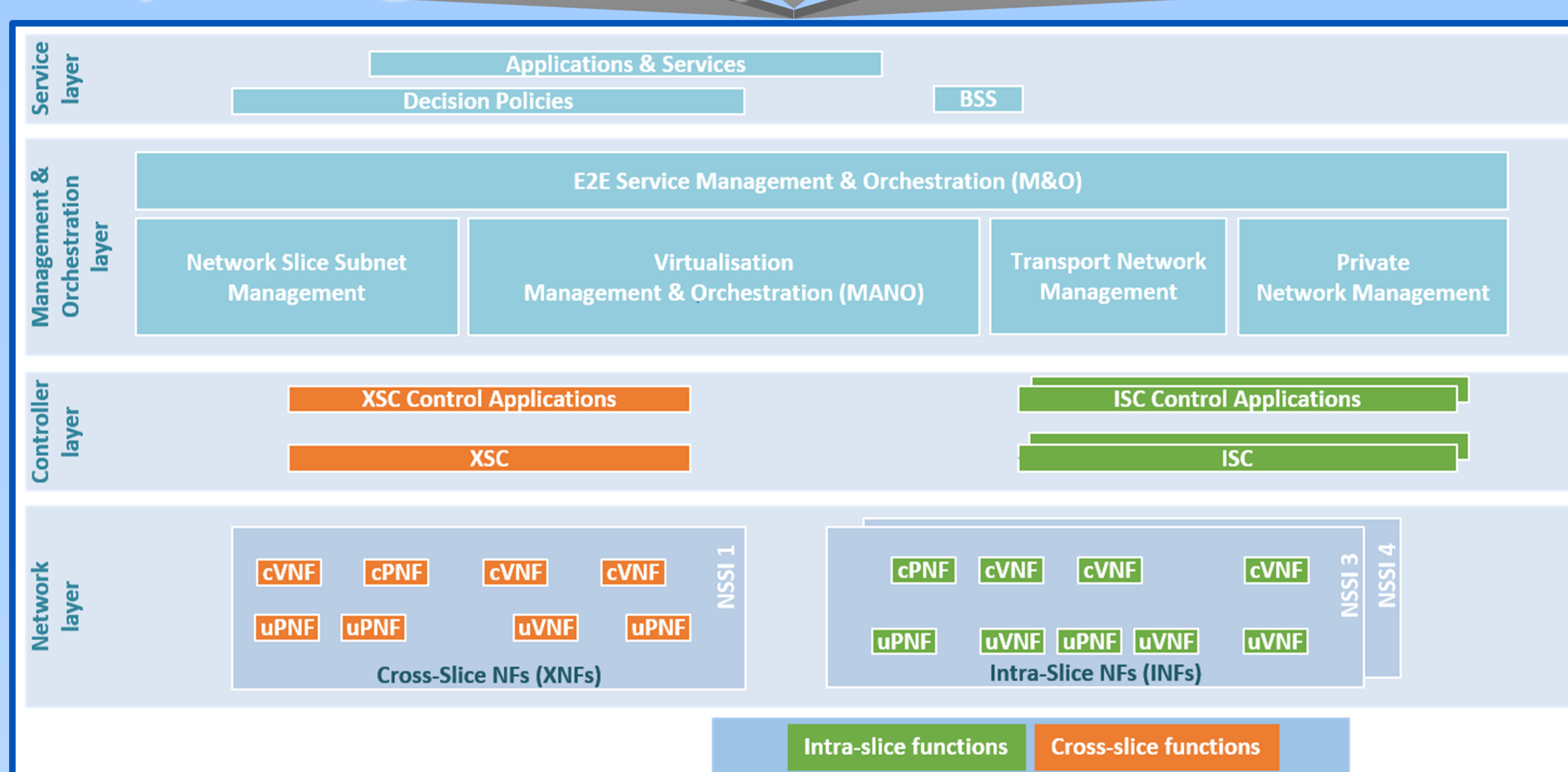
Service-based Architecture

- Modular function design
- Service-based Interface in network domains, cross-domains, and Management & Orchestration

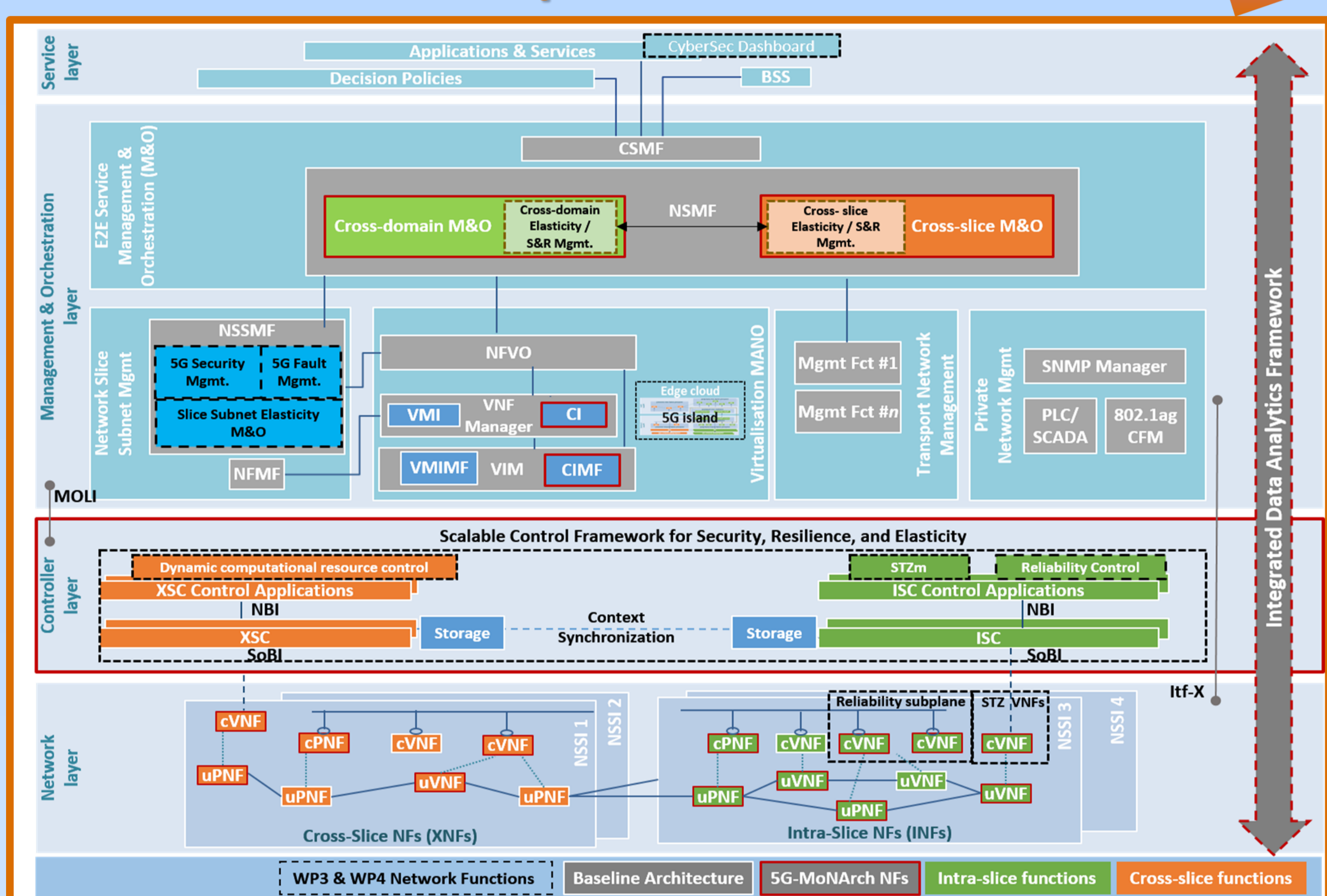
Split of Control & User Planes

- Independent evolution of network functions
- Independent scaling of network functions

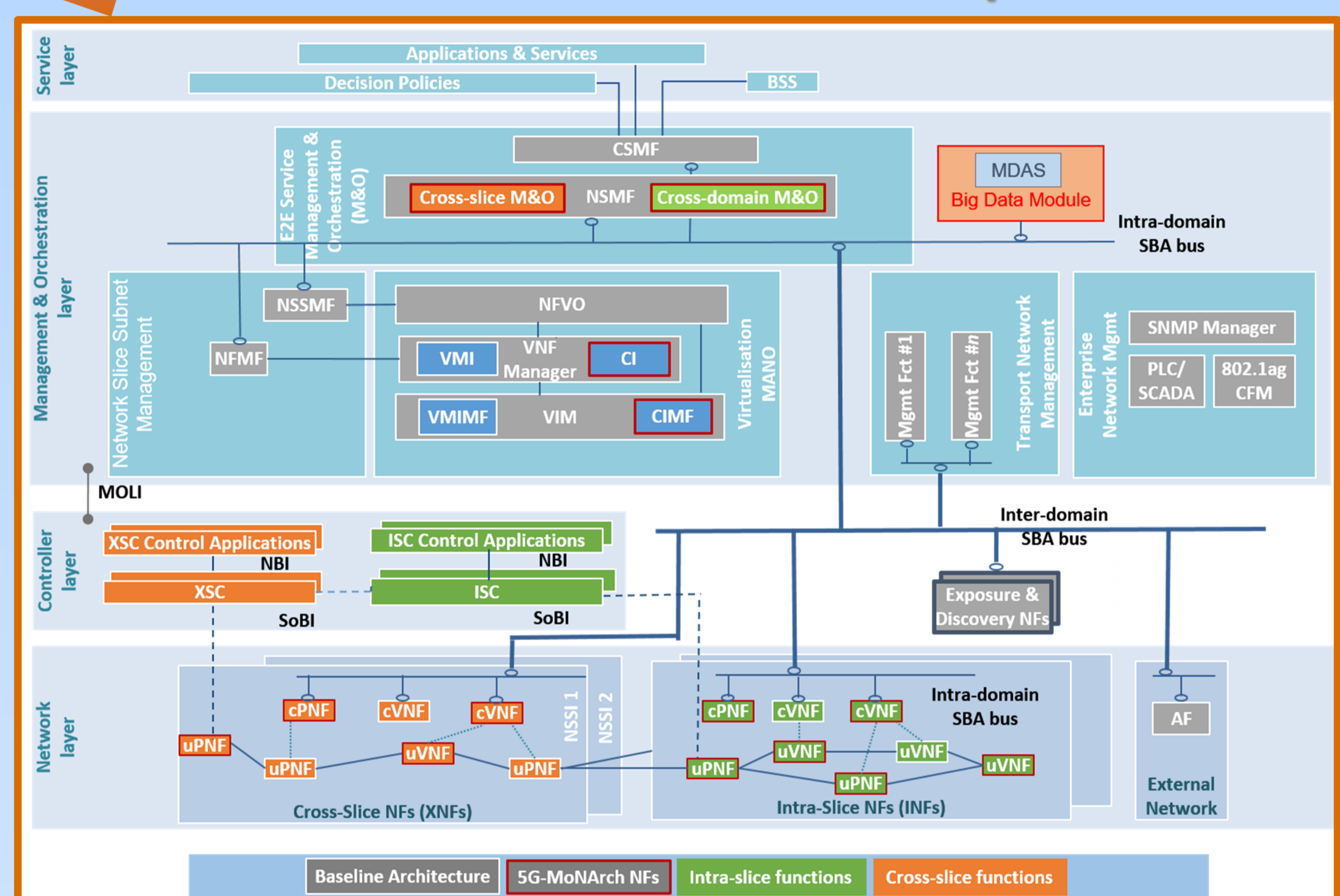
From Key Design Principles to Overall Architecture



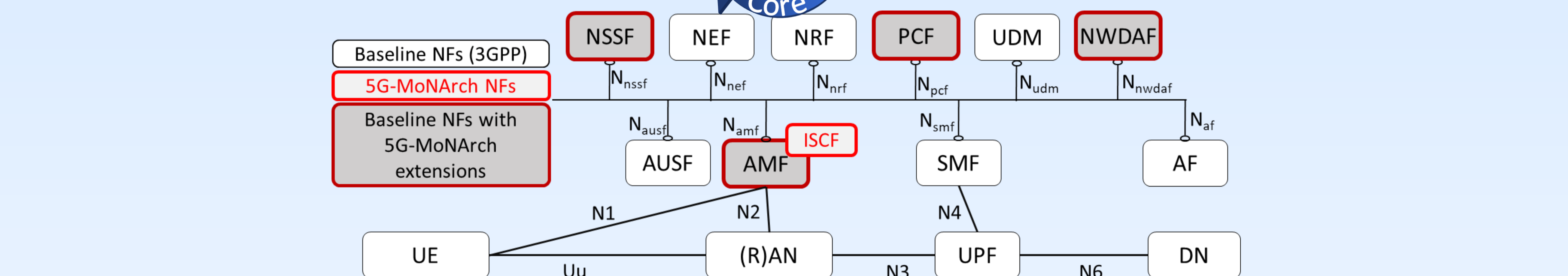
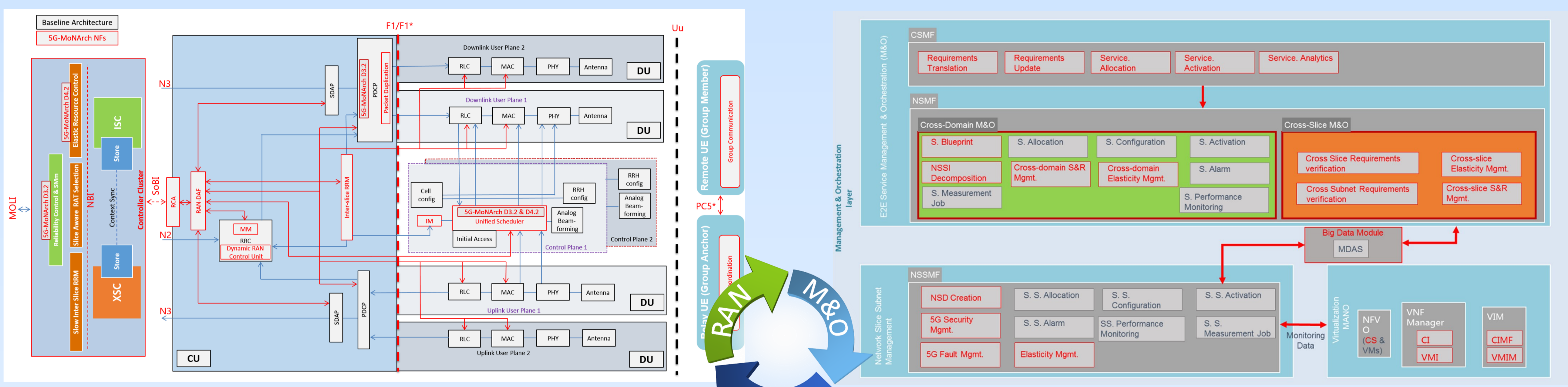
Reference Point Representation



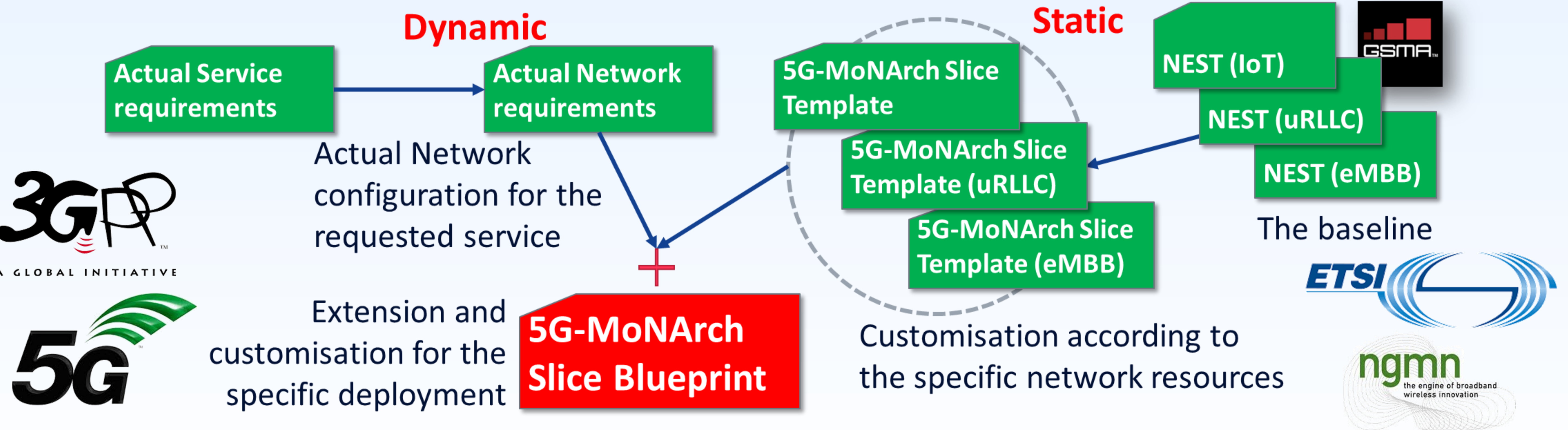
Service-based Architecture Representation



5G-MoNArch Novel Components



5G-MoNArch Slice Blueprint Design for E2E Slicing



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