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The Standardization of 5G

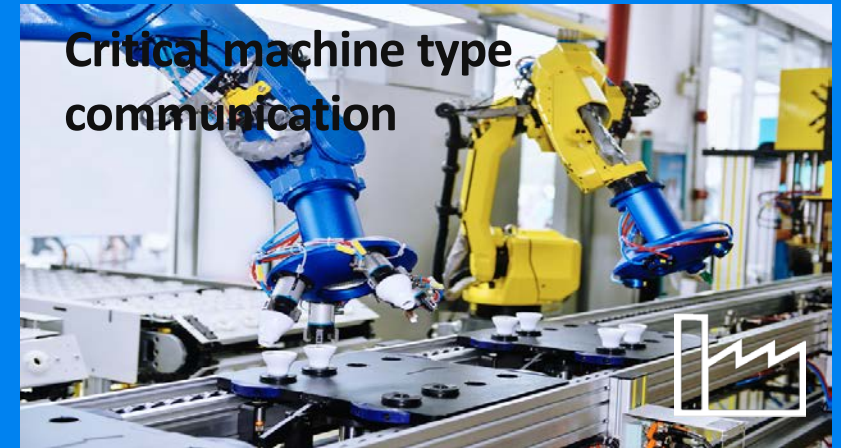
Implications of Evolving from 3GPP Release 13 to Release 16

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5G is developed from use cases



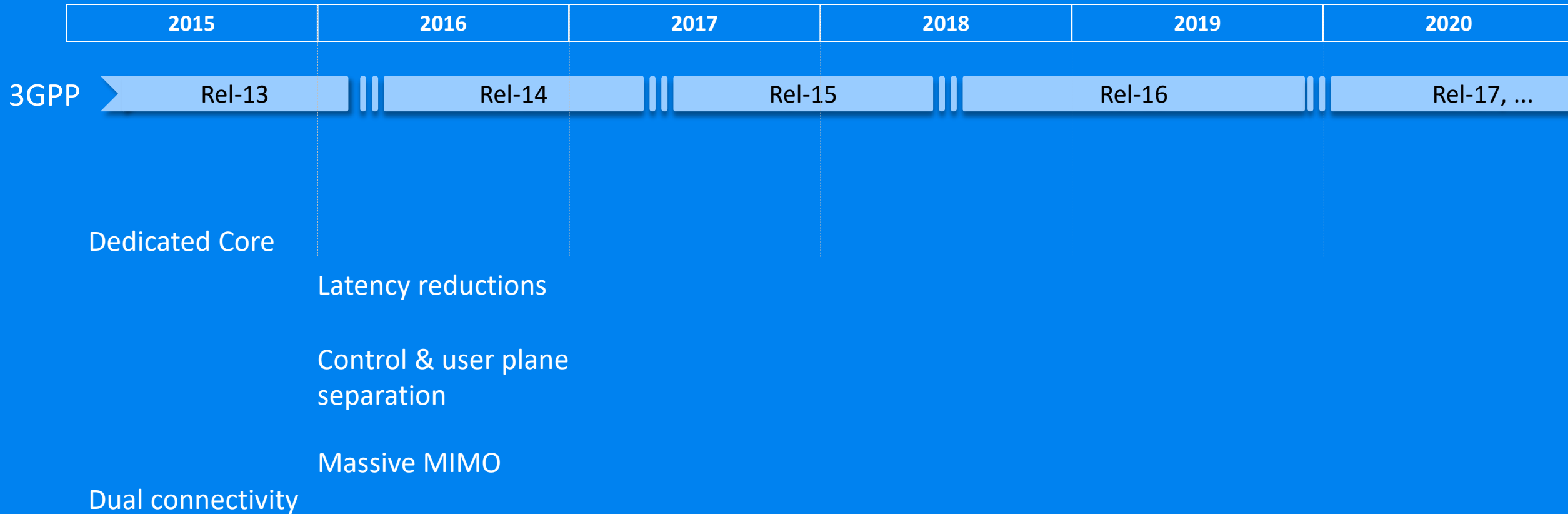
Platform for addressing industry and society transformations



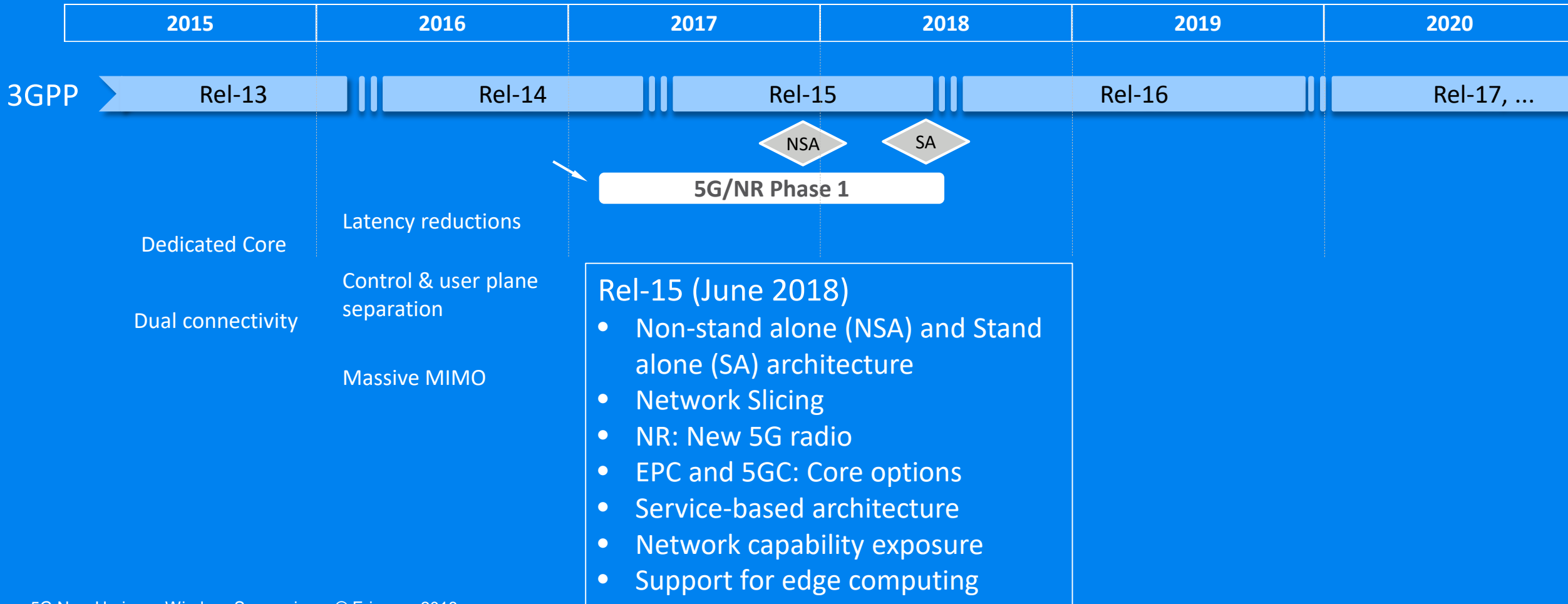
Cost effective delivery of increased data traffic and performance



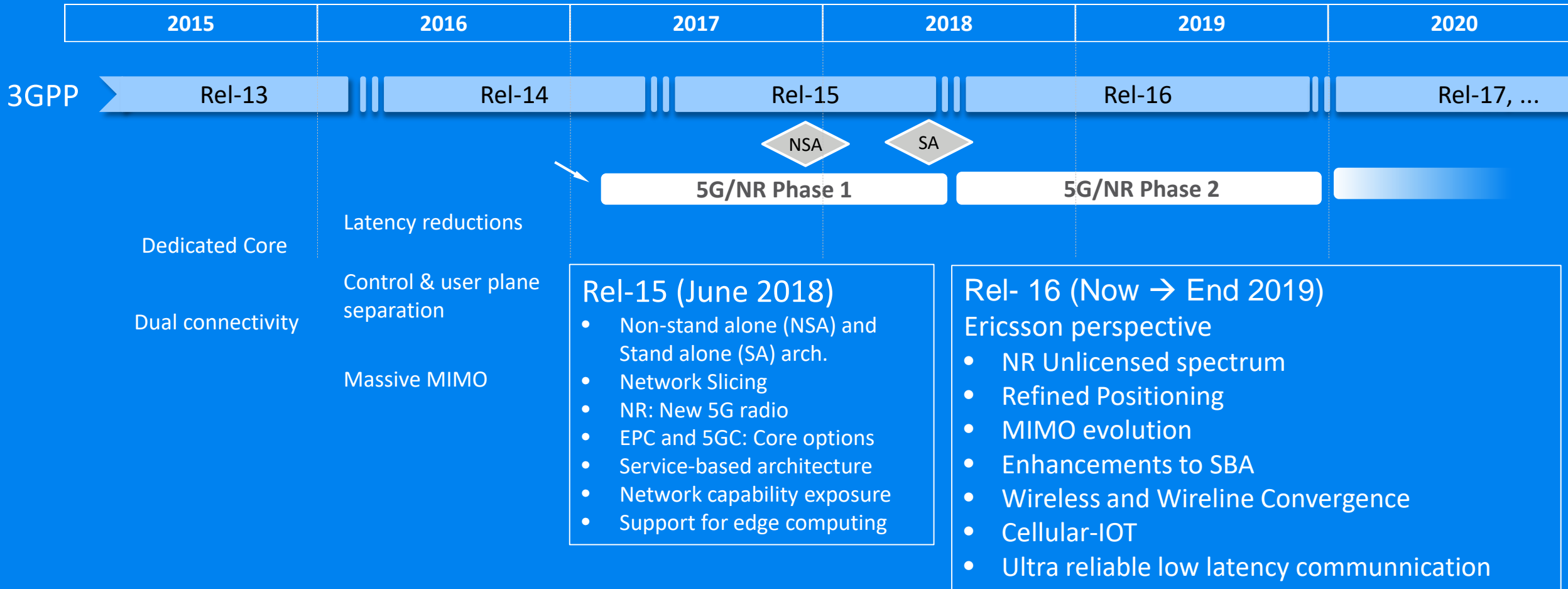
Building blocks towards 5G in R13 & R14



5G/NR Phase 1 – highlights from R15



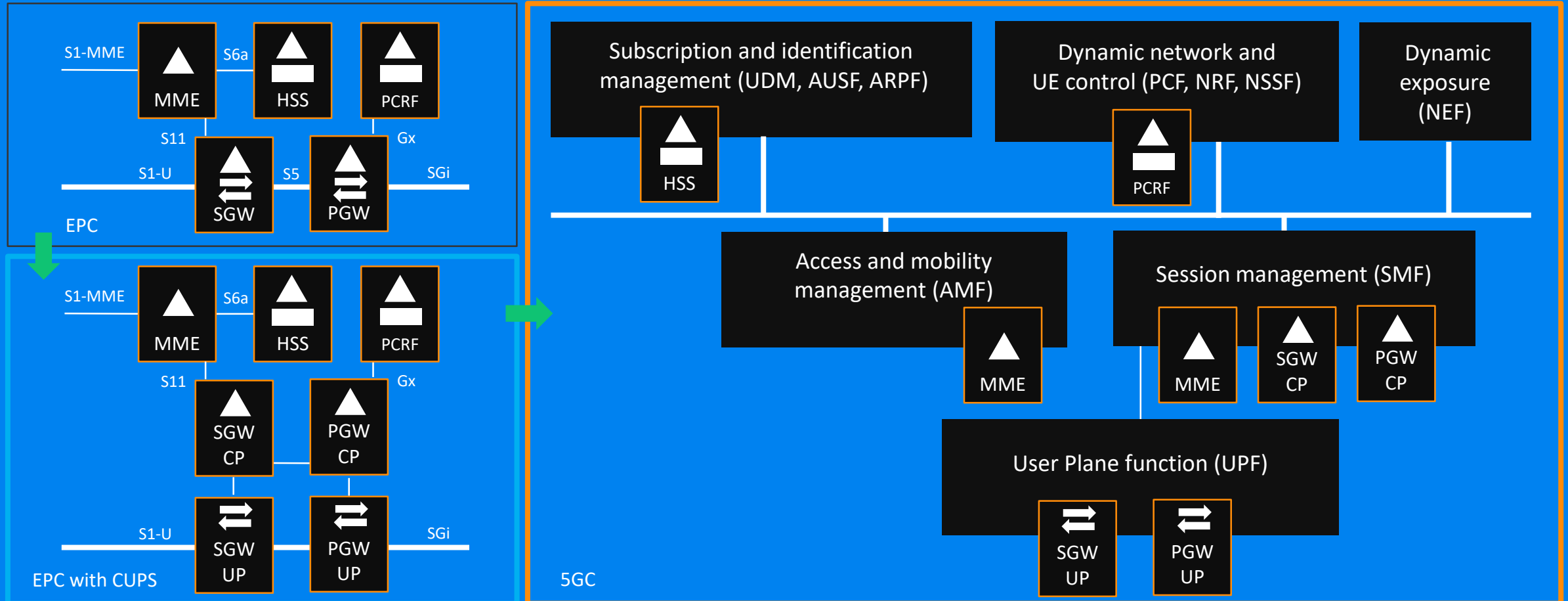
5G NR Phase 2 – outlook for R16



5G architecture overview



EPC and 5G Core architecture evolution



Network slicing and distribution of core functions



Very high availability
Very high reliability
Low latency

Critical communication and MTC

High availability
High reliability
Very low latency

Enterprise and industry

Wide area coverage
Internet access
Operator services

Enhanced MBB

Low cost
Low energy
Massive numbers

Massive MTC



Summary and key take-ways



Use case
driven 3+1

R13 / R14

4G building blocks, on
the road to 5G

R15

NR/5G phase 1 –
network launches

R16

NR/5G phase 2 –
platform additions

NSA vs.
SA

5G EPC vs.
5G Core

Network
slicing &
distribution



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