



IETF Network Slice for 5G and its characteristics

draft-rokui-5g-ietf-network-slice-00

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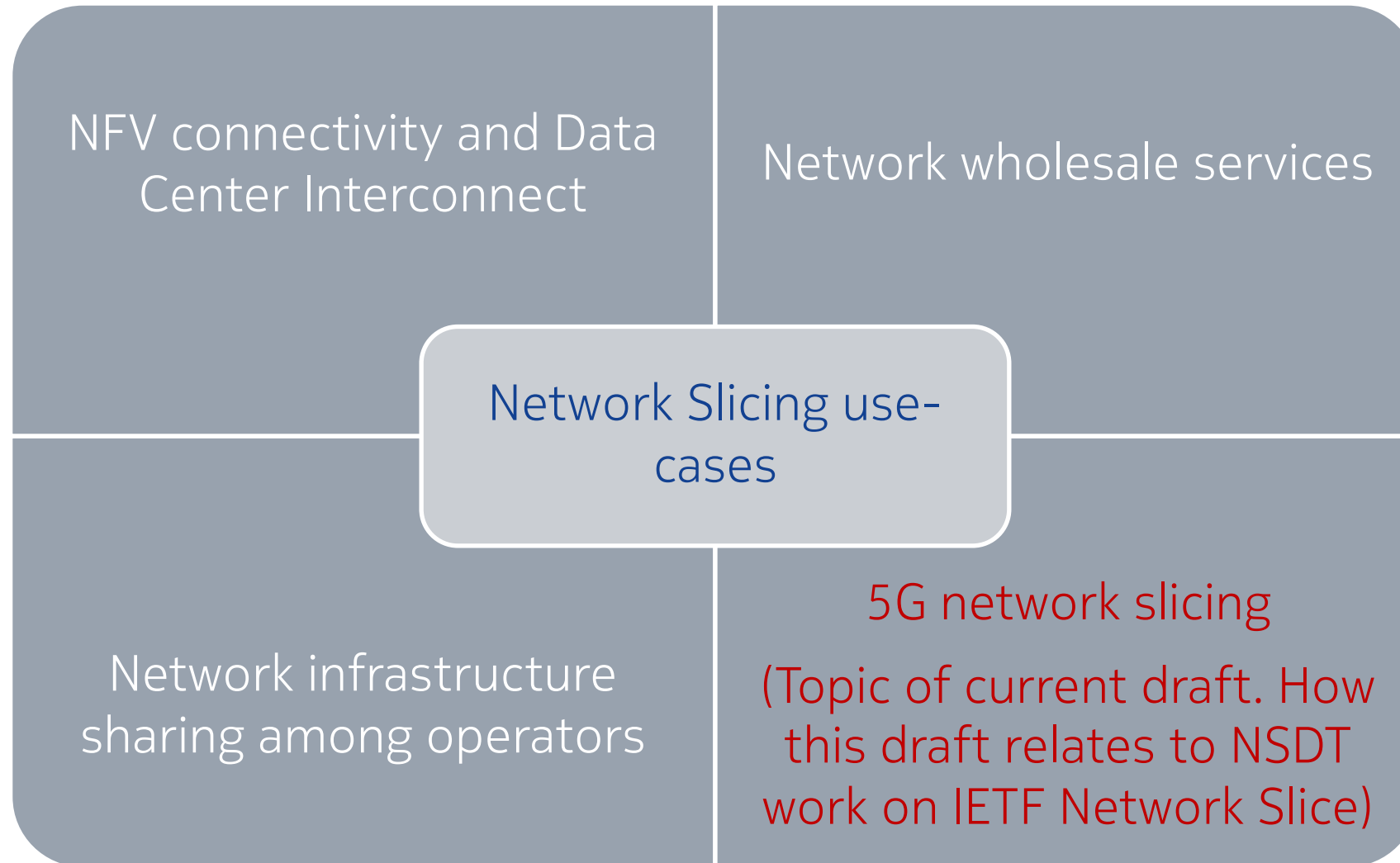
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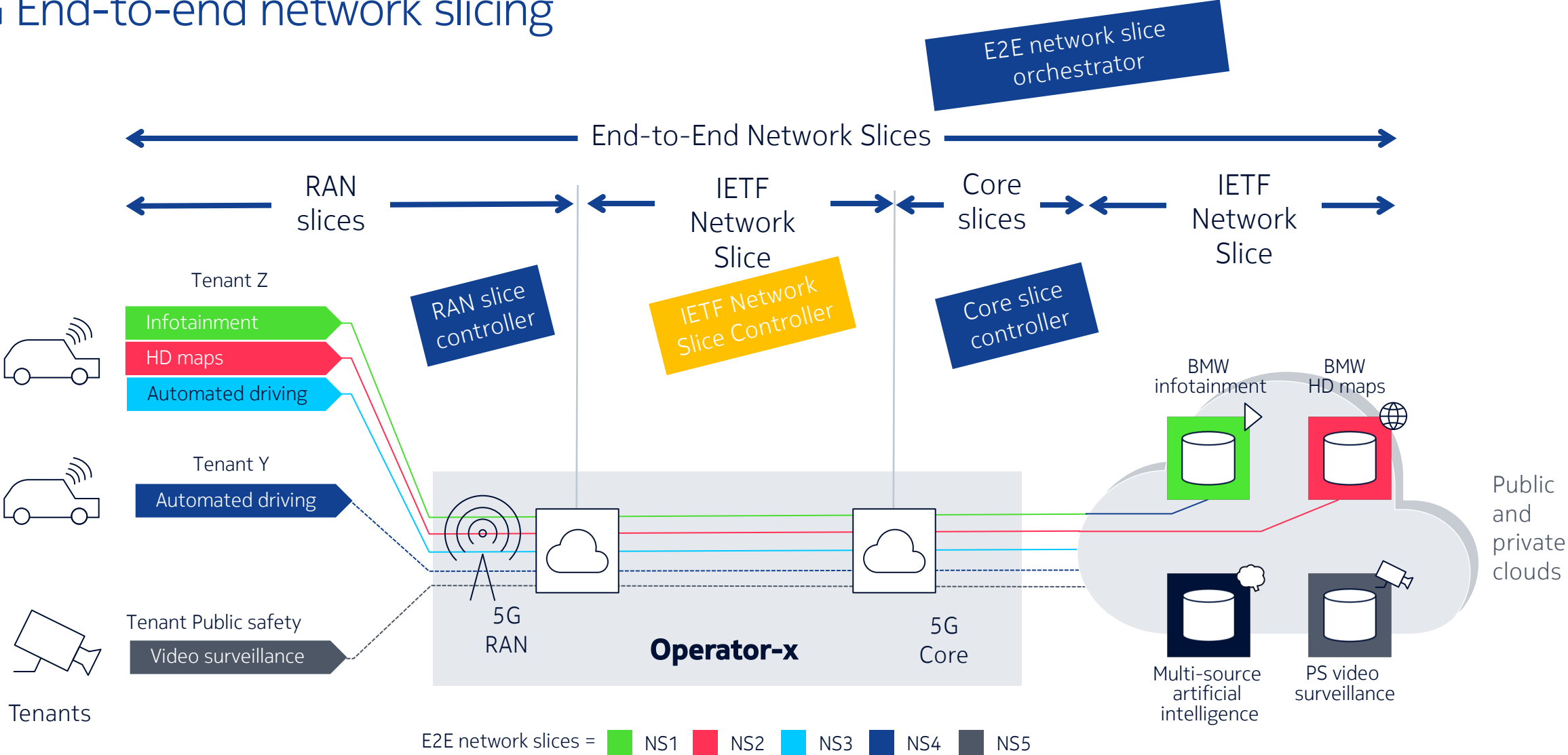
Current Status

- First version was presented at IETF105, Montreal (2019-07-23)
- The current draft address the “5G E2E Network Slicing” and in specific the need for multiple “IETF Network Slices”.
- The current is modified to be aligned with TEAS WG NSDT on ”IETF Network Slice”
- Content:
 - How IETF Network slice related to 5G use-case?
 - Relation between 5G E2E network slice and IETF Network Slice
 - Details of 5G E2E network slice
 - IEF Network Slice Controller (NSC) NBI related to 5G

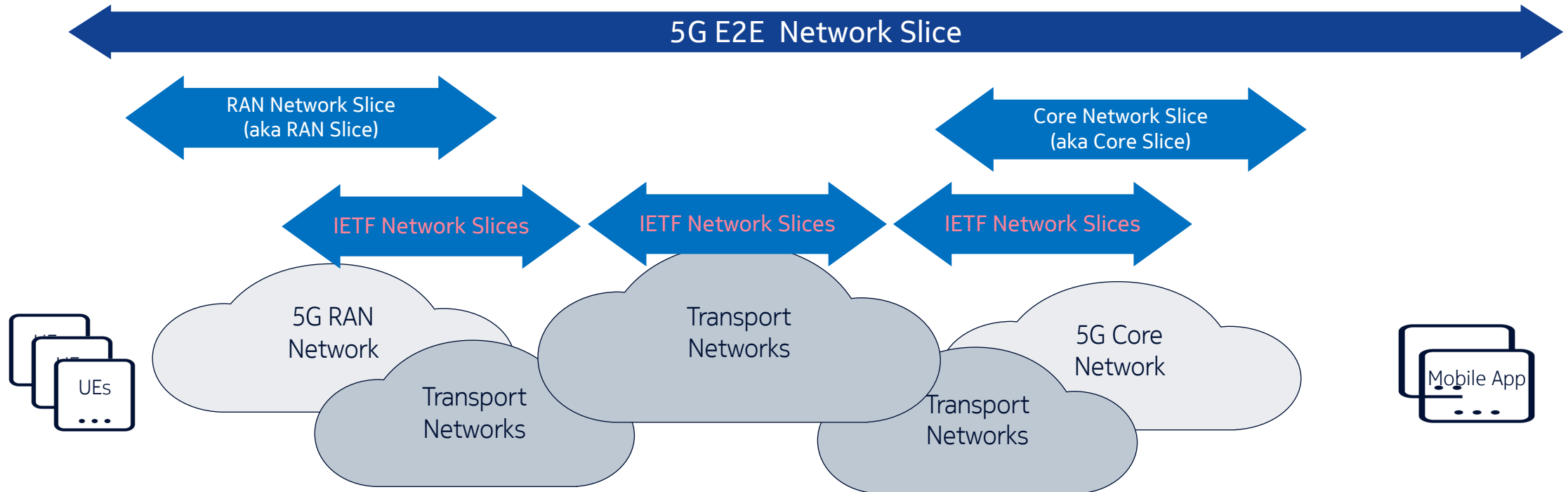
Network Slicing use-cases



5G End-to-end network slicing



Relationship between 5G E2E Network Slice & IETF Network Slice



- Refer to following draft for details of “IETF Network Slice”
draft-nsdt-teas-ietf-network-slice-definition-01
- Note that 5G use case is one example of **Figure 4: E2E network slice**

Problem Definition

- Draft discussed in more details 5G E2E network slicing
 - <https://tools.ietf.org/html/draft-rokui-5g-ietf-network-slice-00>
- Definition of the “IETF Network Slice” for 5G use-case
- Various deployment of the 5G E2E network slicing
- IETF Network Slice Controller NBI for 5G
- IETF Network Slice NBI Information Model for 5G

Next Steps

- Collect feedback / comments from the WG
- Align this draft with various NSDT drafts as they evolve (in specific with NSC NBI draft)
- Propose the draft as basis for 5G use-case of network slicing
- Prepare a new version for IETF#110