Network Slicing Side Meeting

IETF105@Montreal July 2019

Note Well

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Definitive information is in the documents listed below and other IETF BCPs. For advice, please talk to WG chairs or ADs:

- BCP 9 (Internet Standards Process)
- BCP 25 (Working Group processes)
- BCP 25 (Anti-Harassment Procedures)
- BCP 54 (Code of Conduct)
- BCP 78 (Copyright)
- BCP 79 (Patents, Participation)
- https://www.ietf.org/privacy-policy/ (Privacy Policy)

Purpose

- Introduce 3GPP's progress in network slicing and their requirement on transport network
  - Note that "transport network" here refers to the underlying network responsible for delivering packets edge-to-edge. It does not refer to transport protocols such as UDP and TCP.
- Discuss use cases and requirements of transport network slicing
- Build some consensus on Segment Routing (SR) based network slicing
  - Data plane first
  - Control plane later

Agenda

- Agenda bashing (5)
- Overview of 3GPP network slicing progress and requirements on transport (10)
- Network slicing use cases and requirement (10)
- Overview of Enhanced VPN Framework (5)
- Isolation requirement of network slicing (5)
- Segment routing for network slicing (10)
- Open discussion (20)
- Wrap up and next steps (5)

Open Discussion

Wrap up and next steps