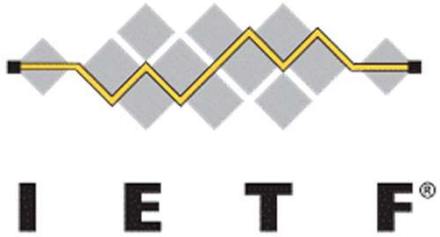

5G transport network benchmarking

draft-contreras-bmwg-5g-02

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Motivation and draft scope

- Motivation
  - 5G is being gradually deployed by operators
  - It is then relevant to have a good basis of benchmarking solutions

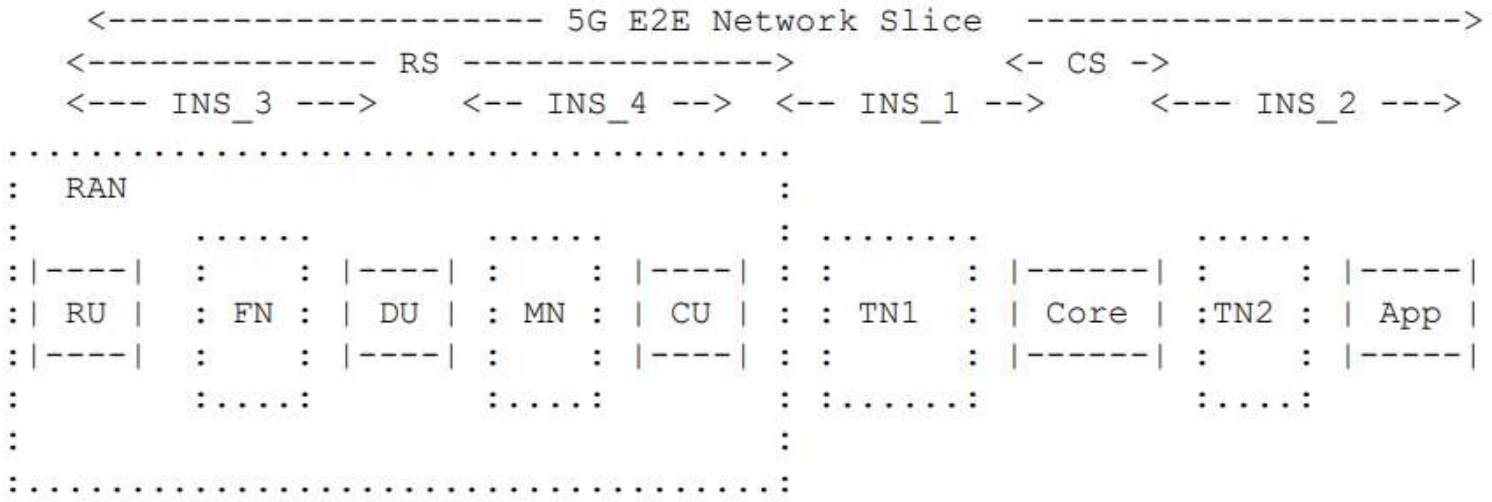
- Scope
  - Overview available solutions and define guidelines to assist on the benchmarking of 5G transport networks
  - Identify gaps that could require further work
  - Provide guidelines on 5G transport Networks benchmarking

Updates from -00 version (1/2)

- Discussion on KPIs for assessment of technologies
  - Control and management plane KPIs
    - Leveraging on the concept of IETF Network Slice controller as being proposed by TEAS WG and outcomes from RFC8456 on SDN controller benchmarking
    - Performance, scalability, security, reliability, etc
  - Data plane KPIs
    - Focus on existing measurable SLOs: bandwidth, latency, jitter, etc
    - Consider other data-plane related issues specific to 5G such as e.g. the capability of isolation

Updates from -00 version (2/2)

- Consideration of topologies for benchmarking



- Link with the concept of IETF Network Slices being defined in TEAS WG

Other related initiatives

- New ETSI INT work items for E2E testing and validation of vertical applications over 5G and beyond Networks
- Ongoing activity in ORAN for testing of fronthaul / midhaul / backhaul networks

Next steps

- Collect feedback / comments from the WG
  - Interested people is invited to participate and provide inputs/views
- Keep working on the draft for identifying the requirements and characteristics that 5G imposes in each of the subjects of interest

- Prepare a new version for IETF#110