Status of
draft-ietf-teas-ietf-network-slices

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NOTE WELL

- This document has had eight front page authors all of its life

- There is a bug in the IETF draft submissions tool for this document
  - Having eight authors causes the date field to be overwritten making the draft submission fail

- I have moved Eric Gray to the Contributors section

  This in no way reflects in any negative way upon the very considerable input and advice that Eric gave to help create this document.

Recent Revisions (since the Interim in October)

- -06, March 2nd 2022
  - Implement things discussed at interim
    - SBI/NBI name changes and alignment with RFC 8309
    - "Service Demarcation Point" introduced
    - Small clarification of Network Resource Partition
  - Reza's change of affiliation
  - Nits

- -07, March 4th , 2022
  - Many small editorials
    - Add reference to Service Attachment Point (SAP) per draft-ietf-opsawg-sap
    - Remove reference to [BBF-SD406] (It's an internal BBF document)
    - Replace "TCP optimizers" with "Performance Enhancing Proxies (PEPs)" per RFC 3135
    - Clarify how resources are selected for a Filter Topology
    - Rewordings for clarity
    - Clean up use of language that could be considered oppressive
    - Move to 7 front-page authors
    - Nits

- -08, March 6th, 2022
  - Reduce to just three connectivity constructs (P2P, P2MP, A2A)
    - Add to the explanations of these three
    - Describe mapping traffic to connectivity constructs, and how to support those constructs
  - Remove duplicate/surplus txt from Network Slice Controller section
  - Complete editorial read through by John Drake and me
    - Note an AC is technology specific
    - Add terminology definition for Connectivity Construct
    - Nits

In the buffer for submission soon

- Buffer contains -09
  - Short section on realisation of slices about Service Function Chaining supplied by Med Boucadair
  - Removal of Section 5.4 "IETF Network Slice Structure"
    - It has become a very short section
    - It only says what is already in other places in the document
  - More nits found by John Drake (is there no end?)
  - Previously forgot to acknowledge Krzysztof Szarkowicz

Recent Discussions on the List

- How is hub-and-spoke reflected in the service / realization
  - Reinstated text about this to show:
    - A provider may use hub-and-spoke to realise a slice service if they like
    - A customer that wants to control the hub may
      - Build a hub-and-spoke out of P2P and P2MP connectivity constructs
      - Use a real or ancillary Service Demarcation Point as the hub
- Should this draft be limited to the requirements/applicability rising from 5G?
  - I'm not calling consensus, but it seems that the overwhelming view is that the scope must include any use of network slicing
- Should this draft be limited to slicing only IP/MPLS networks?
  - Again, not calling consensus, but I hear:
    - The service should be technology agnostic and totally generic
    - We are interested in mapping the service to any IETF network
- There may be some specific questions the CCAMP chairs want to raise
  - These are questions to TEAS and not to the editor of this document

Worked Examples

- Some people suggested worked examples would be helpful
  - Show how a slice might have multiple connectivity constructs
- However, no text has been forthcoming
  - Except Med pointed me to some text in RFC 8969 that could be useful
- Is anyone volunteering to write text?
- Does anyone think that the draft will fail without examples?

Plans and Next Steps

- Post -09
  - Imminent
- Any other issues or points to cover?
  - Nice if you could raise them now
- Ready for last call
  - Get this all finished so other documents can refer to it reliably