

# TEAS-NS-DT Framework Draft Status

Eric Gray, John Drake (Editors)

Major text additions from multiple DT members

# Current Status

- Presented prior status at the TEAS Interim following IETF 107
  - Interim: <https://datatracker.ietf.org/meeting/interim-2020-teas-01/session/teas>
  - Presentation: <https://www.ietf.org/proceedings/interim-2020-teas-01/slides/slides-interim-2020-teas-01-ssa-4c-draft-nsdt-teas-ns-framework-00.pptx>
- Summary:
  - Framework – not requirements or architecture
  - Implementation/Technology agnostic “Transport Slices”
  - Brief description of draft content
  - Proposed next steps
- Postponed adoption request pending resolution of objections to the definition draft

# Changes to this draft since IETF 107 + Interim

- Editorial Changes
  - Minor editorial improvements to Abstract, ToC, Introduction
  - Improved capitalization consistency (transport slice, telemetry, statistics, states)
    - consistent with definition draft as well
  - Punctuation, usage corrections
  - Corrected paste error for ACTN references
  - Removed vestigial or redundant text
  - Usual reference updates
- Clarified the limited applicability of ACTN to generic transport slices
  - This involved much iterative discussion
  - Some interpretations of roles defined in ACTN result in hiding relevant transport slice elements
  - This is a result of the potential for overlap between CNC/MDSC and transport slice elements
  - Other role comparisons and overlap are possible, but only CNC/MDSC overlap is in scope
  - Clarified that the comparison discussed is one of many and is included because of applicability and scope

# Changes currently pending

- Technical comments (mostly from Kiran)
  - Need to clarify the role of NBI as a new interface (in multiple places)
  - Provide an earlier introduction for “SLO” and related terminology
  - Deal with confusing and (possibly) vestigial text related to isolation
  - Consistently use ‘transport slice consumer’ (in sync with similar changes to definition draft)
  - Improve the comparison figure in ACTN applicability by removing ambiguous “customer”
  - Refer to transport slices instead of transport slice services
- Need specific (acceptable) text proposals to address some issues
  - Resolve “network structure”/”topology” tension
  - Resolve issues with apparent preference for using existing technologies
  - Objections to repeated references to VPN+ draft
  - Use of “intent” verses “objective”
- Resolve potential discussion of SBI
- Sync potential changes to Figures (1 in this draft and 4 in definitions)

# ACTN Applicability

- In addition to this section in this draft, there is a resurrected draft that specifically addresses applicability of ACTN to TE Network Slicing
  - Draft draft-king-teas-applicability-actn-slicing-06
  - Version -04 expired in April, 2019
  - New versions -05 and -06 posted in June and July of this year
- Outlines ACTN applicability specifically:
  - For TE networks
  - Using IETF technology
- May be a good candidate to refer to in the applicability of ACTN section of this draft

# Next Steps

- Request WG adoption
- Working Group review and comments
- See draft posted at:
  - <https://tools.ietf.org/html/draft-nsdt-teas-ns-framework>
  - Current posted version is -04