TEAS-NS-DT Framework
Draft Status

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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-sessa-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:
  • Current posted version is -04