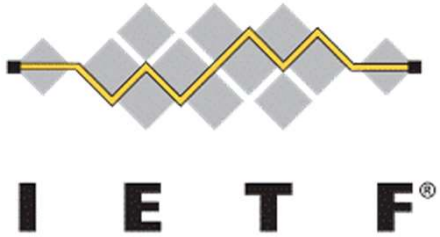

IETF Network Slice Controller and its associated data models

draft-contreras-teas-slice-controller-models-00

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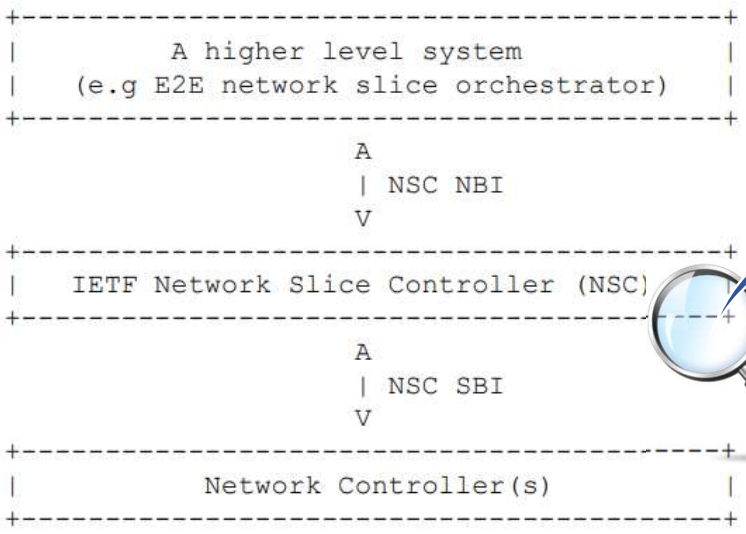
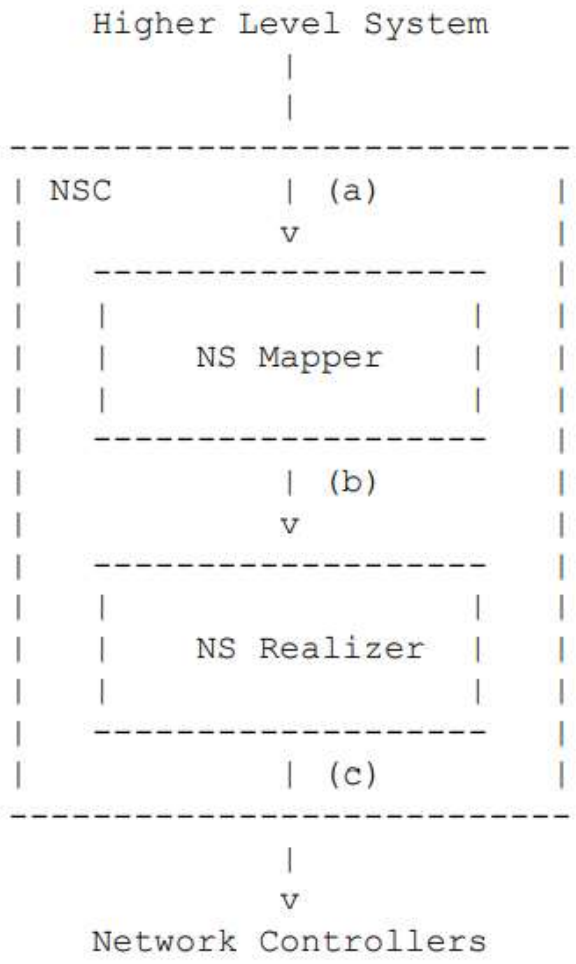
Problem statement

- **NSC structure:** two essential procedures to be performed by the NSC
  - Mapping of IETF Network Slice requests
  - Realization of them
- **Data models:** Different views at the time of provisioning and operating IETF Network Slices
  - Customer's view, mostly focused on the individual IETF Network Slice request
  - Provider's view, mostly focused on the provisioning and operation of the overall IETF Network Slices in the network
- **Goal:** identify major NSC components and how associated data models apply

Proposal

From [I-D.nsdt-teas-ietf-network-slice-definition]





✓ Structure

- **Mapper** - processes the customer request, putting it into the context of the overall IETF Network Slices in the network
- **Realizer** - processes the complete view of all the slices in the network, decides the proper technologies for realizing the IETF Network Slice and triggers its realization

✓ Models

- **(a)** -> customer's view, e.g. [I-D.wd-teas-ietf-network-slice-nbi-yang]
- **(b)** -> provider's view, e.g. [I-D.liu-teas-transport-network-slice-yang]
- **(c)** -> models per network controller, out of scope

Next steps

- Solve some open points (signaled as TODO items in the document):
  - Breakdown of "NS mapper" and "NS Realizer“
  - Discuss complementarity of the aforementioned models for satisfying Type 1 and Type 2 Services as per [RFC8453].
- Collect feedback / comments from the WG
- Propose the draft as agreed outcome of TEAS NS DT
  - Co-authors of the two proposed models so far are also co-authors of this draft
- Prepare a new version for IETF#110