



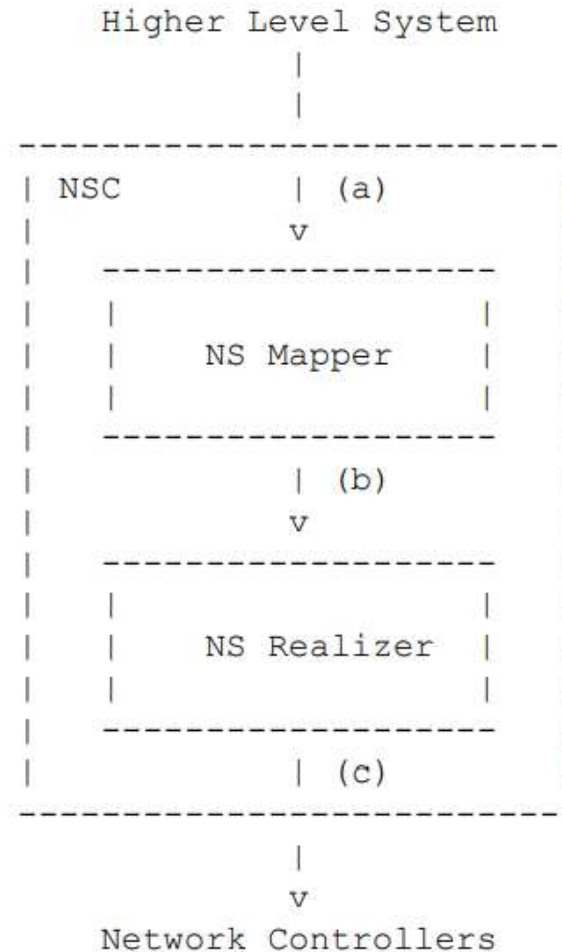
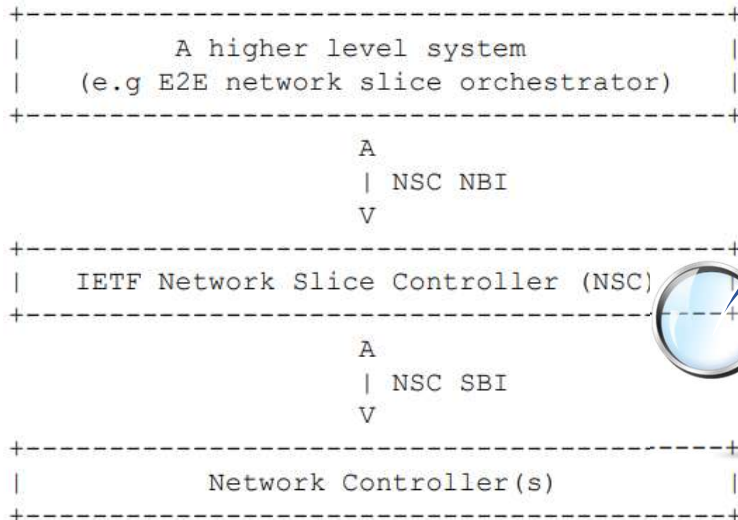
IETF Network Slice Controller and its associated data models

draft-contreras-teas-slice-controller-models-01

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Proposal

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



✓ **Goal:** identify major NSC components and how associated data models apply

✓ 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

Updates from -00

TODO's from -00

- Two new sections created as placeholder for elaborating on "NS mapper" and "NS Realizer" logical components and/or functionality
- Added mention to the complementarity of the models [1] and [2] as slice customer view according to the type of slice requested:
 - Model [1] fitting for an IETF network slice as an abstract set of edge-to-edge links
 - Model [2] fitting for an IETF network slice as an abstract topology of virtual nodes and virtual links

Comments from IETF 109

- Mapping of types of models (customer / service / network) to interfaces
- Network controller yet considered as part of the logical architecture

Next steps

- 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#111 and call for adoption