

# IETF Network Slice Intent

<draft-contreras-nmrg-transport-slice-intent-05>

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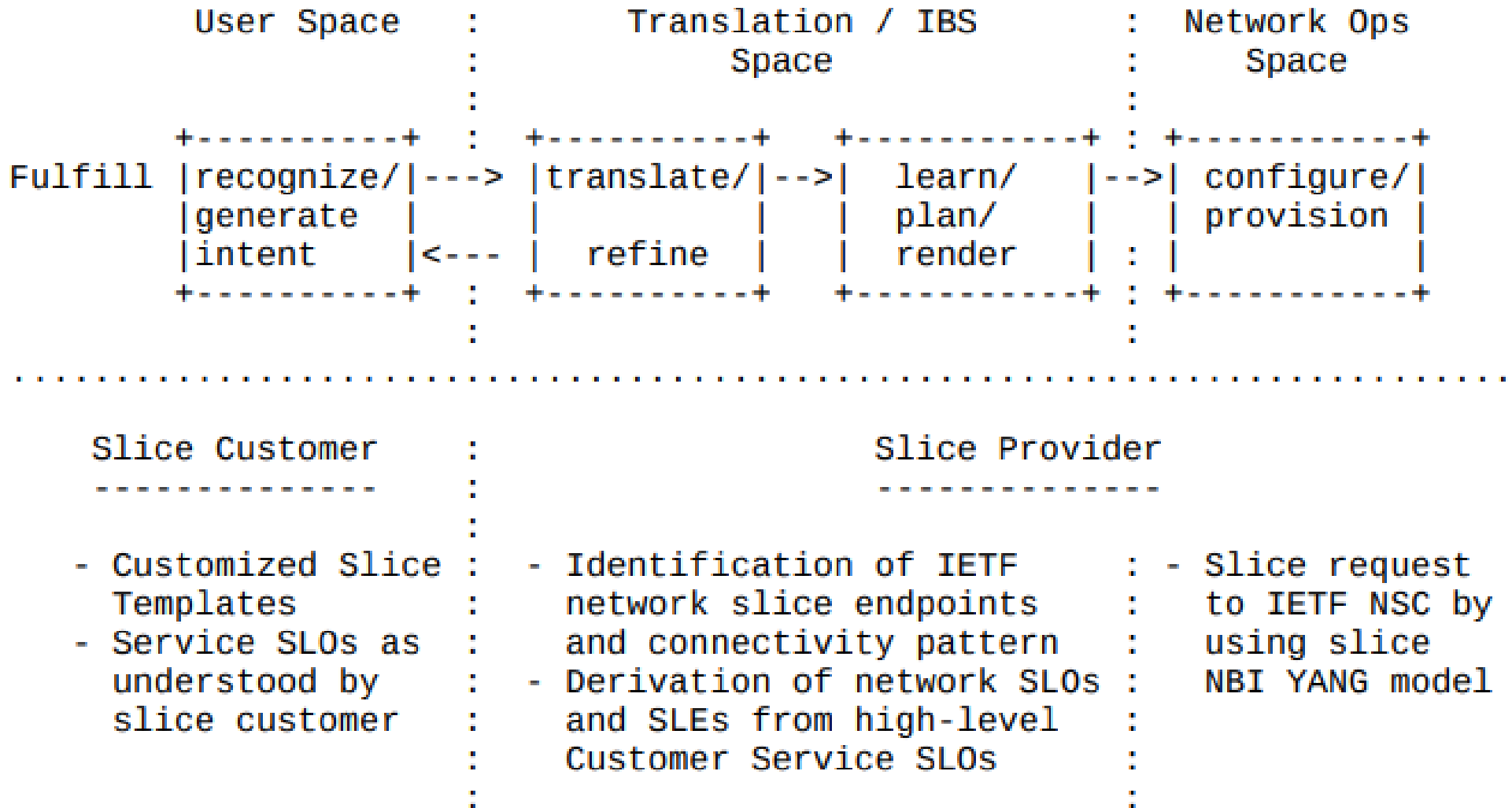
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# Summary of the draft

- Target: to leverage on IBN technologies to request IETF Network Slices
- Use case:
  - Upper systems processing end-to-end network slices will elicit requirements for setting up IETF Network Slices
    - E.g., 3GPP Management System processing SLOs from slice templates to connect radio access and core slice parts for 5G services
  - IETF Network Slices will be requested as intents to IETF Network Slice Controller
- Benefits:
  - Portability of the solution across implementations and networks
  - Simple way of expressing transport slice needs by e.g. vertical customers
  - Focus on what, not on how
- This work complements TEAS work by offering an intent-based approach for slice request through transport slice controller NBI interface

# IETF Network Slice Intent lifecycle

## - Fulfillment phase



# Moving forward the draft ideas

- Define the structure of the IETF Network Slice intent template
  - Adaptation to IETF Network Slice NBI YANG model can be complemented with additional information that could be required for slicing
    - E.g., consider the initial slicing phases defined in 3GPP (preparation / instantiation, configuration and activation / run-time / decomisioning)
- Elaborate on translation approaches and interaction with the upper systems
- Complete the lifecycle with the assurance part (need of identification of protocols / APIs)
- Feedback is more tan welcomed!!