

Network Measurement Intent

draft-yang-nmrg-network-measurement-intent-03

<https://datatracker.ietf.org/doc/draft-yang-nmrg-network-measurement-intent/>

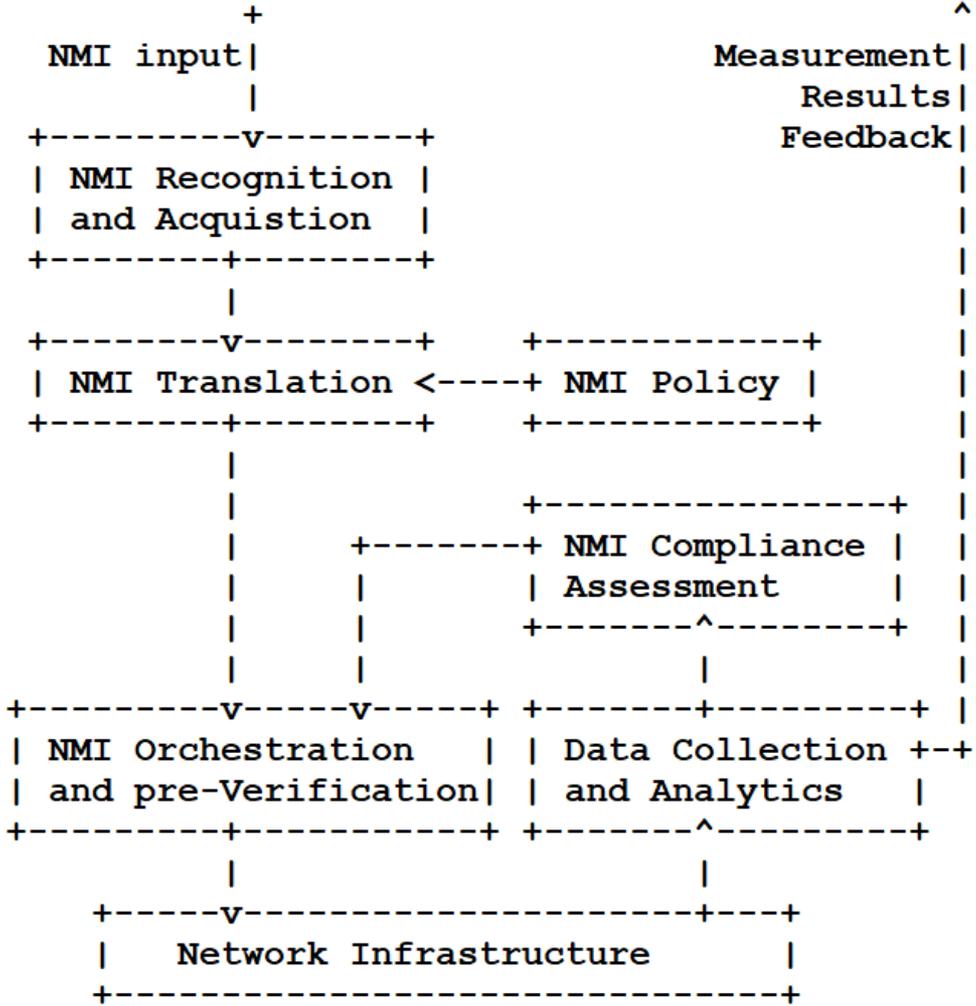
Recap

◆ NMI (Network Measurement Intent)

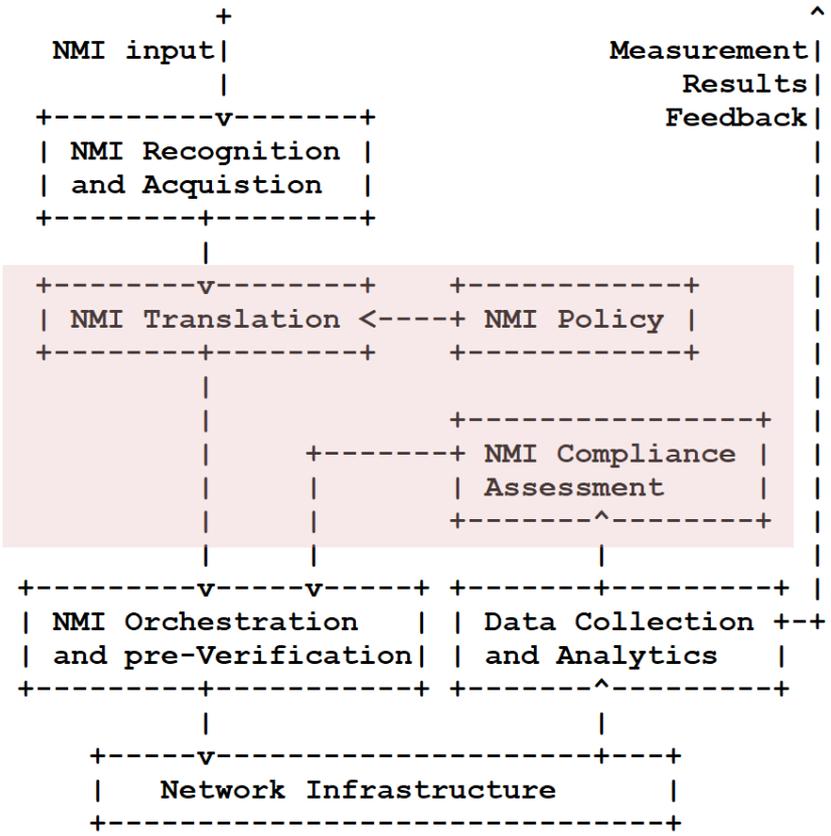
➤ the on-demand measurement of the network state based on the user/network operators' perceived intent of the network state .

The major components

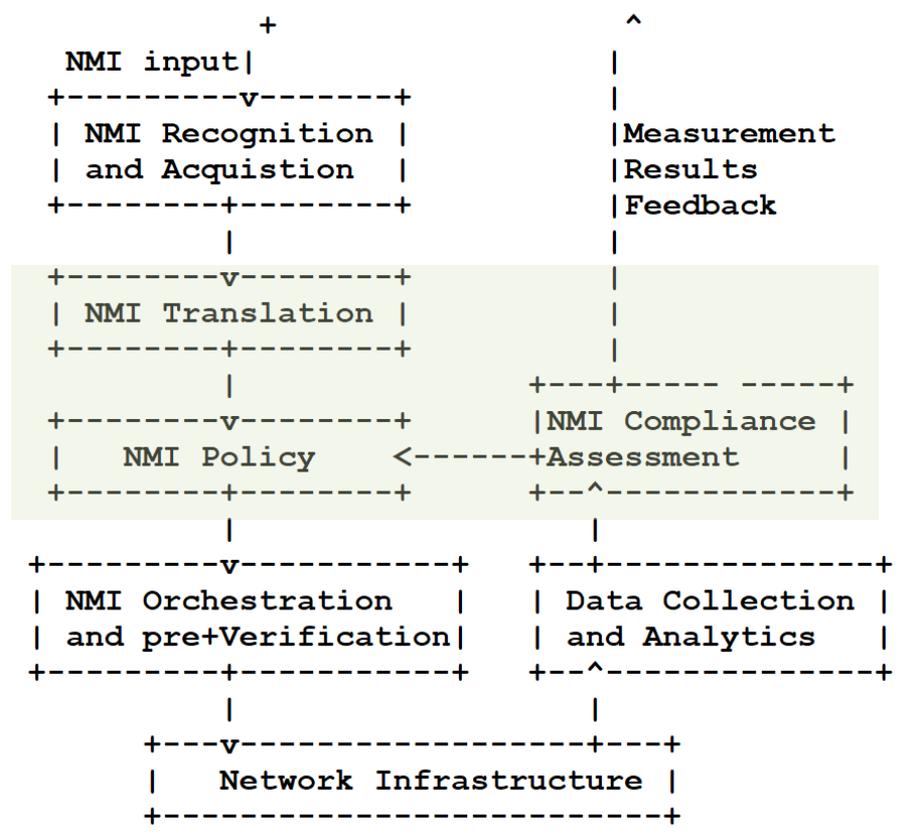
- NMI Recognition and Acquisition
- NMI Translation
- NMI Policy
- NMI Orchestration and pre-Verification
- Data Collection and Analytics
- NMI Compliance Assessment



Major Updates



Version-02



Version-03

Major Updates

- **NMI Translation**

Translated into actions and requests taken against the network



Translated into corresponding measurement policy

- **NMI Policy (add)**

NMI policy needs to be translated into actions and requests taken against the specified network element.

- **NMI Compliance Assessment**

Verifies whether the results meets the requirement and whether the NMI is satisfied. If either of the two conditions is not satisfied, the NMI should be modified and re-enter the NMI Orchestration and pre-Verification.



Verifies whether the results meets the requirement and whether the NMI is satisfied. If either of the two conditions is not satisfied, the NMI should be modified and re-enter the NMI Policy

Comparisons

draft-irtf-nmrg-ibn-concepts-definitions-06



basically solves the problem that "What is an intent?"

draft-irtf-nmrg-ibn-intent-classification-05



"Given a specific intent, how to parse/disassemble it from different angles?"

Some other issues should be clarified,

- "whether the input intent is valid or not?" ,
- "What would the IBN system do when the result is not acceptable?",
- "If the result is not acceptable, does human/operator interference required?"
- ...

We should take a specific IBN use case for illustration of the realization procedure

Next Steps

- The draft is stable now
- Since Network Measurement Intent is a kind of use cases of IBN, we would like to start writing the draft of "Intent Based Network use cases"
- We hope to take the lead in writing IBN Use Case together
- **Looking forward to the comments, suggestions and questions.**

Thanks!