

Network Measurement Intent

draft-yang-nmrg-network-measurement-intent-06

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

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Recap

Document structure and main contents

- Introduction

To use the network measurement intent to achieve network performance acquisition based on user/network administrator intent , verify whether network measurement result meet the measurement intent, and further improve the accuracy of the configuration in IBN.

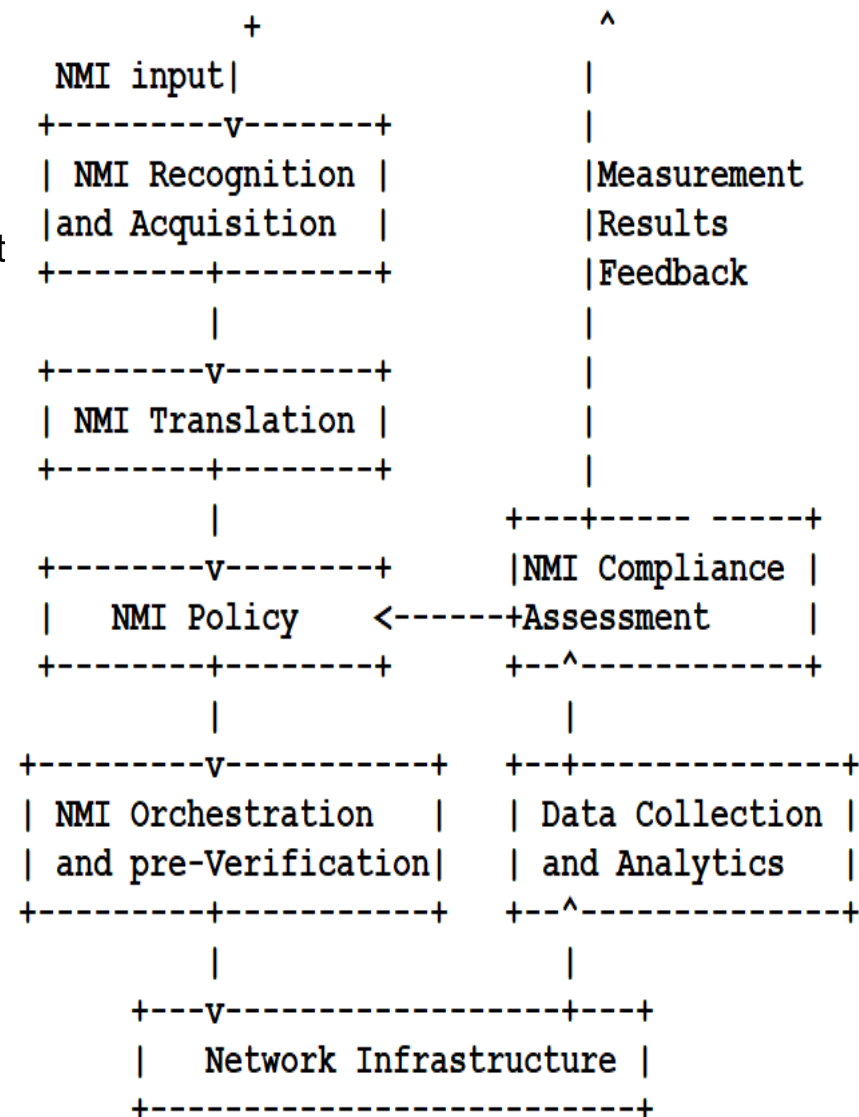
- Definitions and Acronyms

- Relationship to Existing Documents

- Intent-Based Networking - Concepts and Definitions, solves the problem that "What is an intent?"
- Intent Classification solves the problem "Given a specific intent, how to parse/disassemble it from different angles?"

- Overview

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



Recap

Document structure and main contents

- Concrete Examples

- Time Accuracy Measurement

How to balance and accurately measure the network state, especially the abnormal network affecting the service, while occupying as little network bandwidth as possible, and the processing capacity of the data analysis system is not high

- Spatial Accuracy Measurement

To accurately measure the network state, especially when there are some issues affecting the service, but at the same time, reduce the resources to be employed to achieve the desired accuracy

- Classification of NMI

- Static NMI

The measurement purposes remain unchanged and is independent of the network state/external environment

- Dynamic NMI

The measurement purpose remains unchanged but the measurement process changes dynamically according to the network state/external environment.

- Security Considerations

Main Updates

- A total of 9 members agreed and raised questions and suggestions

All questions have been answered and resolved

- Add references

9 RFC (RFC2679, RFC2680, RFC7799, RFC8194, RFC8299, RFC8466, RFC8639, RFC8641, RFC8969)

2 drafts (draft-ietf-netconf-adaptive-subscription and draft-ietf-netmod-eca-policy).

- Corresponding questions and suggestions are updated

- Figure update

- Updates for misreferences: Section 3. [I-D.irtf-nmrg-ibn-concepts-definitions] change to [I-D.irtf-nmrg-ibn-intent-classification]

- Statement writing problems

Next Steps

- Associate with other IBN use case drafts.

For example: Interconnection Intents and Network Slice Intent

- Received as an IBN use case draft.
- **Looking forward to the comments, suggestions and questions.**

Thanks!