YANG Model for L1CSM

CCAMP WG, IETF110, Virtual Meeting

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Authors:

Young Lee (Samsung)

KwangKoog Lee (Korea Telecom)

Haomian Zheng (Huawei)

Oscar Gonzalez de Dios (Telefonica)

Daniele Ceccarelli (Ericsson)

Contributors:

Italo Busi (Huawei)

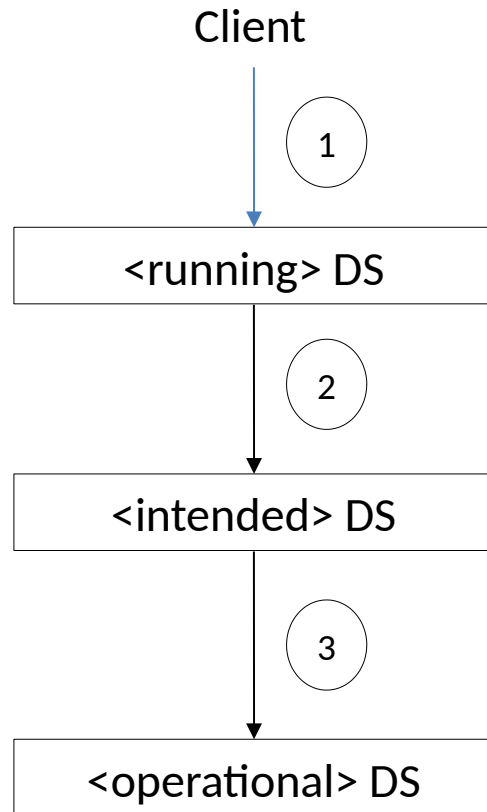Giuseppe Fioccola (Huawei)

Dhruv Dhody (Huawei)

Summary of Changes (with -13)

- Addressed comments from Tom Petch
  - Open issues created for SLS model
  - YANG model clean-up
  - Move JSON examples to an Appendix
- Github repository:

  https://github.com/haomianzheng/IETF-ACTN-YANG-Model

Rules for inconsistent <p,c,o>

- Not all the possible combinations of protocol, coding function and optical interface function are allowed in MEF63
  - See Tables 4, 5, 6 and 7 of MEF63
- How to check valid combinations have been configured?
  - Use of must statement seems not working with identities
  - Describe this check in the document and not in YANG?

Where and How to check with NMDA

Client

1

<running> DS

2

<intended> DS

3

<operational> DS

- The invalid configuration can be accepted in the <running> DS and not applied in the <operational> DS
  - How to inform the client that the configuration has not been applied because invalid?
- The invalid configuration can be rejected and not accepted in the <running> DS
  - Does RFC8342 allows "back-end" checks before accepting configuration in the <running> DS?
  - Should we define the protocol error message in the draft or leave it implementation-specific?

Next Step

- Resolve pending open issues
  - Process rules for inconsistent <p,c,o> ([#72](#))
  - Coordinate the PM metrics with other documents ([#83](#))
  - Align the SLS monitoring model with MEF63 requirements ([#84](#))
- Get more review and feedbacks from the WG