

LIME Applicability Work Update

draft-zhuang-lime-yang-oam-model-applicability-01

IETF94 Yokohama, Japan

Tom Taylor (editor)

Yan Zhuang(editor)

Huib van Helvoort

Roland Schott

Qin Wu

Deepak Kumar

Yuji Tochio

Guangying Zheng

Daniel King

Zitao Wang

Background

- What is the applicability document targeted to?
 - Demonstrate the usability and extensibility of the LIME base model
 - Explore the applicability of LIME base model to specific OAM technologies
 - Define model structure is out of the scope
- What should be included in the applicability document?
 - Common guidelines to extend the LIME base model to support specific OAM technologies
 - Applicability of LIME base model using examples

Progress

- Initial draft was presented in Prague
 - people agreed to contribute to the applicability document.
- Revised 00 version according to comments and meeting week discussions.
- Involved more experts of specific OAM areas to work on the draft.
- Generated 01 version and published as the discussion basis for this meeting.

Major Updates

- **Guideline parts:**
 - Rewrite to focus on the location in the LIME base model common structure where we can insert the data node for specific OAM parameters and information.
- **Performance Management:**
 - Merge the IPPM section into IP OAM section.
 - Add performance management support in the base model structure and demonstrate for each specific OAM technologies.
- **Selected specific OAMs:**
 - Separate MPLS-TP OAM from MPLS OAM.
 - Add MPLS-TP OAM section.

Scope

- Direction?
 - ✓ To provide consistent reporting, configuration and representation, augment the LIME base model with specific OAM information to generate LIME xxx model.
 - ✓ In addition, reuse groupings defined in xxx model if xxx model needs to be defined as base model.
- What is missing?

Issues

- How MD&MA works for BFD and MPLS
(Demonstrated in Qin's presentation)
- Interdomain OAM support
 - ✓ It is out of the LIME charter and not revealed in LIME base model
 - ✓ Should applicability document demonstrate interdomain OAM examples?
- Other items from list discussion

Next Step

- Prepare another revision based on meeting guidance and the open issues raised on the list.