

LIME Connection-Oriented OAM Base YANG Model Work Update

draft-ietf-lime-yang-oam-model-06

Deepak Kumar

Qin WU

Zitao WANG

Status update since Buenos Aires

- Discussed it in last 2 interim meeting,
 - Edit session for two documents(CO and CL)
- Updated four versions:
 - 03->04, 04->05, 05->06, 06->07;
 - Change base on last call comments.
- Align with technologies specific oam yang,
 - TRILL OAM yang model has aligned with Connection oriented model.
 - Discuss with MPLS-TP OAM draft authors (interim meeting and off-line discussion), incorporate some suggestions into CO document.
 - Update the lime applicability wiki base on chair's request:
 - <https://trac.tools.ietf.org/wg/lime/trac/wiki/lime-applicability>

Changes Since Buenos Aires

- Optimize the “Terminology” section,
 - Annotate “MEP”, “MIP” with the different standard’s abbreviations,
 - Add “MEG” Terminology.
- Update some text descriptions,
 - make the terminology consistent;
 - make the expression clearly and accurate .
- Update the “contact” statement in the “ietf-conn-oam” model.
 - Base on [RFC6087, section5.8]
- Add two YANG 'feature' statement,
 - one for “continuity-check” RPC ;
 - one for “traceroute” RPC.
- Remove the “MEP-direction” leaf from model.

Changes Since Buenos Aires

- Optimize the “defect-types” identity,
 - Add a “loss-of-continuity” identity,
 - Correct the spelling and make the “terms” consistent,
 - Add some description in “cross-connect-defect”.
- Modify the “error-message” to “defect-message”, since the later one can make the type’s name consistent and accurate.
- Modify the “mp-address” to “mep-address”.
- Add a “MEG-ID” grouping which is required for mpls-tp.
- Add a “MA-ID” choice which contains two case: one for “m a-id”, one for “meg-id”.

Changes Since Buenos Aires

- Add a “cc-enable” leaf to indicate whether proactive CC supported.
- Remove the “connectivity-context” from the “MEP” and “session” list.
 - Since these attribute have already defined in “MA” list
 - And it make no sense to have 2 MEPs in the same MA in different connectivity-context
- Remove the “source-address” from the “session” list.
- Remove the “transmit-interval” and “ttl” from the configure blocks
 - Retain the “transmit-interval” in CC RPC;
 - Retain the “ttl” in “CC”, “CV”, and “traceroute” RPC;
 - Modify the “transmit-interval” to “interval” in “CV” and “traceroute” RPCs.

Changes Since Buenos Aires

- Add a defect-cleared-notification.
- Modify the type of “MD-name-string” and “MA-name-string” to leafref in RPC blocks ,
 - Be used to refer to the corresponding config leaves
- Optimize the “reference” section.
 - Modify the “Y.1731” to “G.8013”;
 - Add the “draft-zhang-mpls-tp-yang-oam” as information reference.
- Optimize the “base model” and “applicability” sections
- Fix some idnits.

Questions Remaining

- MIP list:
 - MIP configuration parameters: address and level [G.8052];
 - MIPs are created automatically according to a configured policy[802.1Q]. Allowing explicit MIP configuration may be **technology-specific**.
- Solutions:
 - Remove the “MIP list” to technology specific.
 - The user can add it depending on the requirement
 - **OR** add an address attribute and “explicit MIP configuration” feature for MIP list.

Next Step

- Fix questions remaining
- Prepare another version.
- Require WGLC.