LIME Connection-Oriented OAM Base YANG Model Work Update
draft-ietf-lime-yang-oam-model-06

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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 “ma-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.