eOAM over UMT Baseline Proposal

Kevin A. Noll
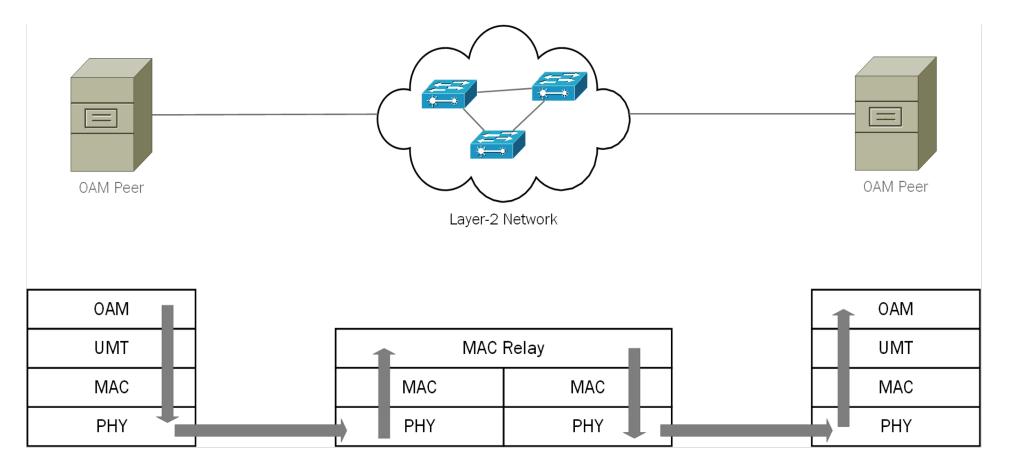**Tibit Communications**

TiBiT *communications inc*

Principles

- Present equivalent of the MAC service interface to the OAM sublayer – allowing existing OAM implementations to interface with UMT

- The OAM to UMT Adaptation layer (OUAL) is specific to adapting OAM to UMT. Other protocols will have their own adaptation layer.

- OUAL is an implementation of the abstract client adaptation layer described in the base UMT protocol definition
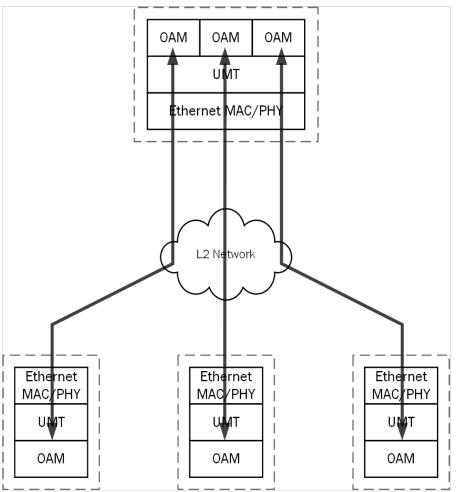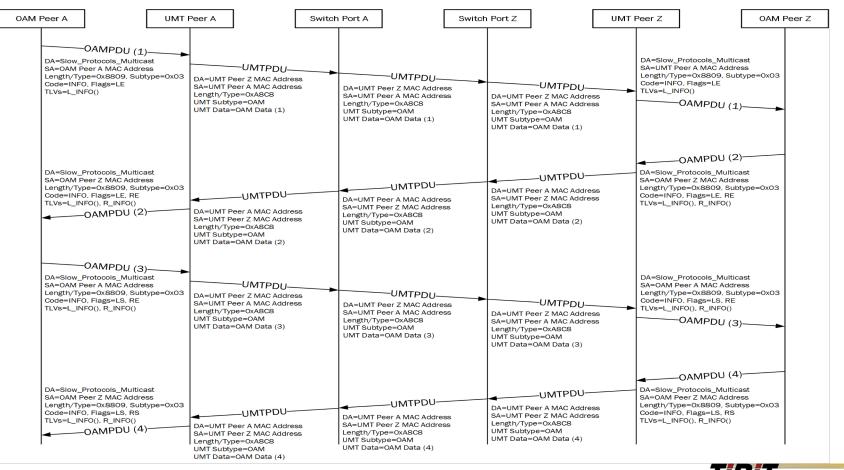
Reference Topology

TiBiT communications inc

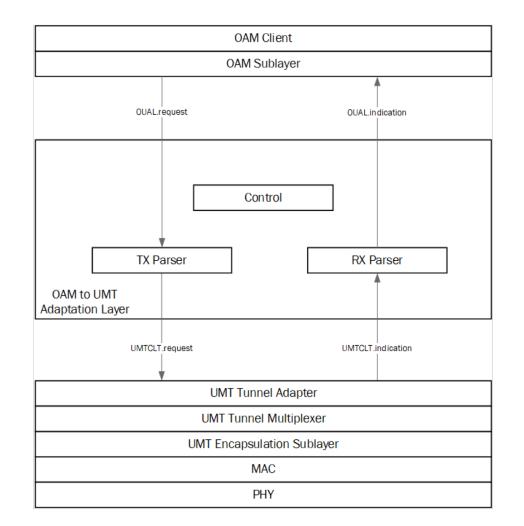# Emulating Point-to-Point Using UMT

Packet Flow for OAM Discovery over UMT

TIBIT communications inc

Stack

- Intent -> allow existing implementation of OAM to be used with UMT with no significant modification

- OUAL.request and OUAL.indication duplicate the MAC primitives MA_DATA.request and MA_DATA.indication

- OAM to UMT Adaptation Layer

  – Mimics the MAC layer to the OAM sublayer

  – Produces the required interfaces to the UMT layers

TiBiT communications inc

Proposed Motion

- Motion #___

- Accept the text in tf2_1810_noll_draft_oam_over_umt_annex_1.pdf (MS Word source tf2_1810_noll_draft_oam_over_umt_annex.doc) as a baseline proposal for UMT Draft x.x.

- Moved: Kevin A. Noll

- Seconded:

- (technical motion, requires >=2/3)

- Y: N: A:

TiBiT *communications inc*

Thank You.

TiBiT *communications inc*