UMT Baseline Proposal

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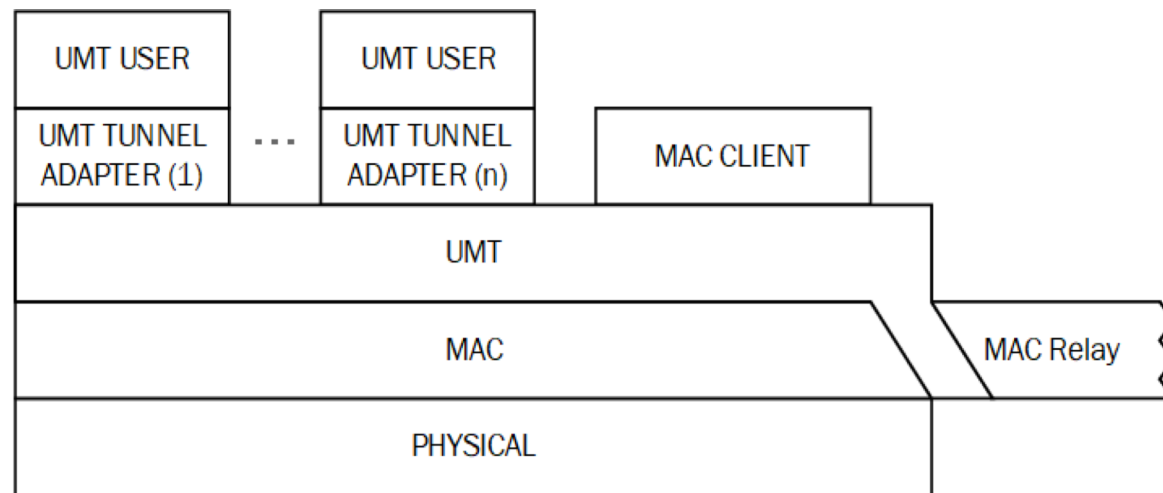
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Overview of Baseline Proposal

- Rewrites the Scope, editing and moving list of capabilities to objectives/concepts clause

- Changes depiction of UMT layering

- Adds detailed descriptions of interfaces

- Adds state diagrams and detailed explanations

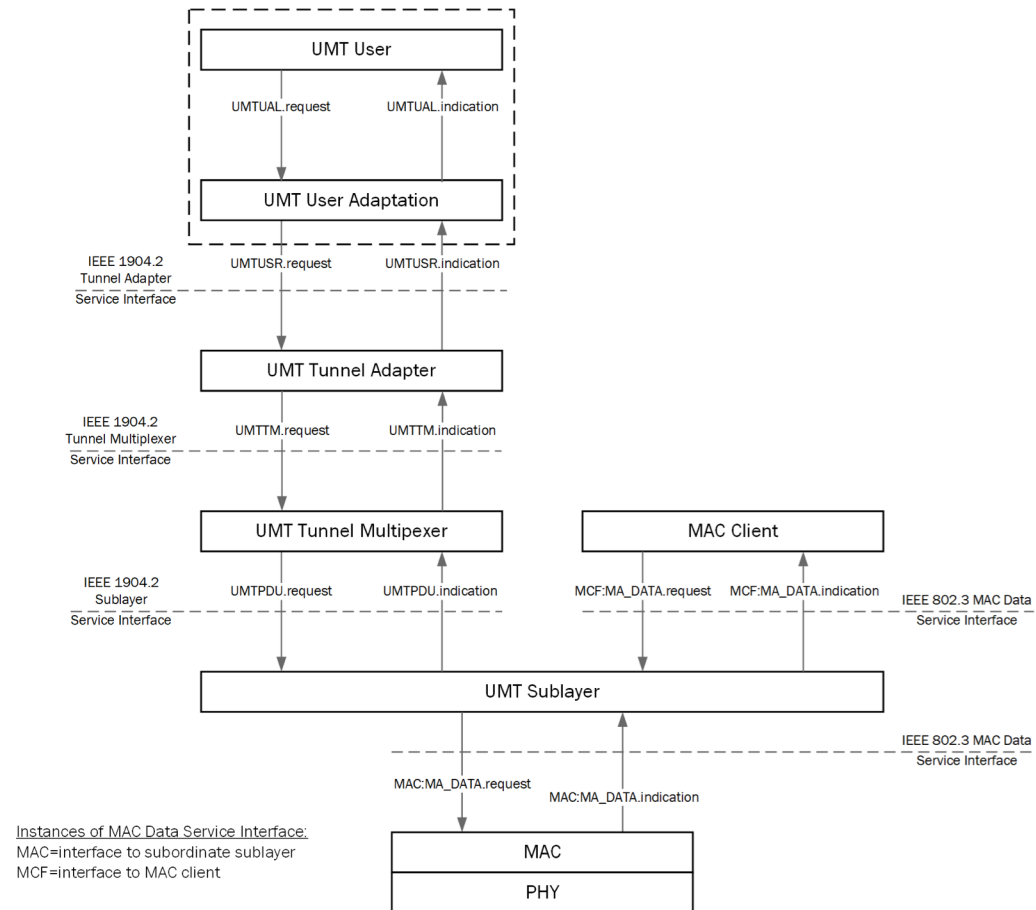- Adds details for UMT PDU Format

- Add PICS

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Objectives/Non-Objectives

- Objectives

  – Bridge/Switch Traversal

  – Multicast/Broadcast message transmission

  – Extensibility

- Non-Objectives

  – Tunnel State/Status (tunnel is stateless)

  – Router Traversal

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Stack

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UMT Sublayers

Principles of Operation

- Single bridging domain

- Stateless Transmission

- UMT presents a MAC Service Interface to superior (users) and subordinate layers (MAC or MAC Control)

- UMT multiplexes/demultiplexes UMT SDUs with non-UMT SDUs

- UMT is independent of the PHY

- Any protocol that sits above MAC could be a UMT user

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Key changes introduced from D0.3

- Remove UMT Architecture clause and use cases contained therein

- Remove layering diagram and replace with diagrams in detailed clauses

- Remove state diagrams and replace with state diagrams in detailed clauses

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Overall Structure of the Document

- Clause 1: Overview – Needs text to be developed

- Clause 2-3: Normative References, Definitions

- Clause 4.1: Overview – objectives, principles, etc.

- Clause 4.2: Functional Specifications – Interlayer interfaces and functional description of each sublayer

- Clause 4.3: Detailed Functions and State Diagrams

- Clause 4.4: UMT PDU Format

- Clause 4.5: PICS proforma – Needs to be completed

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Proposed Modification to the Structure

- Annexes to be used for:

  – Specifying how particular user protocols will use UMT (can be normative or informative)

- To be proposed in the near future:

  – Annex for OAM over UMT

  – Annex for UMT Discovery and Auto-Configuration

  – Annex for OMCI over UMT

  – Annex for IGMP over UMT

  – Annex for UMT Relay (how to reach non-UMT clients)

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Proposed Motion

- Motion #___

- Accept the text in tf2_1808_noll_baseline_1.pdf (MS Word source tf2_1808_noll_baseline_1.doc) as a baseline proposal for UMT Draft x.x.

- Moved: Kevin A. Noll

- Seconded:

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

- Y: N: A:

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Proposed Motion

- Motion #____

- Instruct the editor to produce draft version x.x from the current draft version by incorporating changes authorized by motions approved in the meeting.

- Moved:

- Seconded:

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

- Y: N: A:

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Thank You.

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