

1904.2 Coverage Gap Analysis

27-28 Aug 2020

IEEE 1904.2 Task Force (teleconference)

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Straightforward topics

- 1. Replace "UMT" with a more accurate term
- 2. Add section 6.5 on OAM loopback
- 3. Add section 5.2.3 on UMTPDU format with OMCI subtype
- 4. Add section 7.3 Support of OMCI to describe OMCI protocol-specific behavior
- 5. Add all PICS
- 6. Add section 7.4 on L2 encapsulation behavior
 - 1. Glen
- 7. Add 7.5 on L3 encapsulation or leave L3-encapsulation (
 - 1. Glen
- 8. Consistent reference to CTE (singular or plural)
 - 1. Kevin
- 9. Consistent reference to CTE rule types
 - 1. Kevin

TF decided that there was no meaningful content that could added to clarify more than is already in the draft.

Big ticket items

- Decide what examples (use cases) to present in annex 7A. There can be dozens or hundreds of different configurations. We should only show 4-6, IMO.
 - Currently, we only show "OAM over UMT use case, UMT-unaware end points"
- Sections 6.2 Receive path specification and
 6.3 Transmit path specification
 - Existing text is bad. It just shows some disconnected examples of individual ingress/egress entrance/exit rules. These rules in isolation don't help. A much better way is to show matching entrance and exit rules combined per specific use case (as is done in 7A.1).
 - How to specify Rx and Tx path through UMT sublayer?
 - Alternative Question: what is missing in Rx and Tx path spec?

Annex 7A examples

- OAM over UMT use case, UMT-aware end points -GK
- OAM over UMT use case, UMT-aware end point + UMT-unaware end point - GK
- OMCI example (1 or more cases) PK
- Combined OLT and ONU (ONU is UMT-unaware) use case – KN, PK
 - OAM+OMCI Done, needs fixes
- Glen to contribute use case of managing EPON with mix of UMT-aware and UMT-unaware ONUs
- L2 encap example (OAM Loopback is the example)

Potential material for 6.2 and 6.3

Semantics of primitives

- OMCI
- VLC PDU
- Reference to MA_DATA in 802.3



- 1. Define all attributes in 1904.2
 - 1. Glen to provide proposed list of attributes
- 2. Add a statement that existing extOAM PDU or NetConf/SNMP can be used to read/write those attributes

Needs additional discussion.

VLC Management (Clause 8)

- VLC Management is missing explanation of when a given response type is to be issued (when to send a failure vs success vs no action, etc)
- VLC Management is missing any description of the interaction between VLC Client and VLC Sublayer.



Thank You