



# Protection Ad Hoc Report

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# Topology Deferred Comments with Resolution by PAH

- #463, September, Combine fast topology message with protection message
  - Agreed the fast topology shall be combined with protection message
  - Add Wrap protection capable (WC)/Jumbo Frame capable in current station capability into 5<sup>th</sup>/ 7<sup>th</sup> bit of protection message
  - The trigger for this combined message will be included all trigger for current fast topology message and protection message.
- #560, July- Clarify the interworking of topology and protection
  - Merged fast topology message and protection message



# Topology Deferred Comments with Resolution by PAH

- #484, September – Determine if topology can include a mechanism for dynamically determining bandwidth reservations
  - TLV topology message could be use for bandwidth reservation message
  - No detail proposal about signal protocol for PAH to discuss



# New Comments for D1.1- Topology

- Topology state table
  - Add TLV topology message handling and trigger
  - Update state table to reflect the fact that neighbor MAC address only in TLV topology message
  - Update state table to reflect the fact that weight field only in TLV topology message
  - Additional state for miss-match ringlet id detection
  - Update the state table to reflect the fact that short topology message is merged with protection message
  - While topology content is changed, operator shall be informed topology changed as well as the changed content



# Open Topology Deferred Comments

- #562, July – Illustrate the key scenarios for topology discovery
  - In progress – Annex J



# Protection Deferred Comments with Resolution by PAH

- #565, #595 July, #504, #509 and #510 September – Determine if and how non-revertive operation will be supported.
  - The standard shall support revertive mode protection for steering and wrapping
  - The non-revertive mode can be emulated by setting WTR to be infinite (value can be  $-1$ ). This is up to vendor implementation.
    - WTR shall be reported until there is a failure occurs somewhere else in the ring for wrapping protection
    - WTR shall be reported for steering protection. Source station will steer the traffic based on protection hierarchy.
  - MAC client can implement non-revertive steering protection per COS based with a regular WTR timer. The link status will be reported idle after WTR timer is expired. This is up to vendor implementation.



# Protection Deferred Comments with Resolution by PAH

- #491, September – Determine functional partition between protection and topology
  - Merged fast topology message with protection message
- #567, July – Description how protection interacts with topology discover and ringlet selection.
  - Database as defined in Topology clause as the interface for the interaction between them
- #585, July – Determine how to tie loss keepalive timer with the interval of fairness message.
  - Configurable timer 1- 10 ms default 3ms
- #596, July – Determine whether rule 5 from 11.7.1.2 should apply to steering or not
  - Yes, avoid FS clear message can't receive from a SF/SD ingress link

# Open Protection Deferred Comments

- #576, July – Specify the behavior of a wrapping ring is inserted a steering only station
  - In progress, flow chart and state table is not completed, description is completed in Annex J
- #581, July – Illustrate key scenarios for the underlying rule in 11.3, 11.6.1 and 11.7.1.
  - In progress – until flow chart and state table is completed.
- #513, July – Determine whether there can be a common state table for steering and wrapping
  - In progress – Several proposal have been discussed and not reached consensus yet.