Topology/Protection Comment Resolution Summary

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Clause 10 and Annex K

- 125 comments
  - 29 technical binding
  - 59 technical non-binding
  - 37 editorial

- Adhoc group resolution (technicals)
  - 77 accepted, accepted/mod, accepted/dup
  - 5 superceded
  - 1 rejected (not technical binding)
  - 4 punted to WG (1 technical binding)
  - 1 withdrawn

- Editorial license requested

Issues Covered: Highlights

- State machine will be added to fully specify what is done on TP frame reception, and also the ordering of execution of other state machines

- Protection state machine will reference the topology database directly wherever possible

- Terminology, variables, and functions from all state machines will be reorganized so that common definitions are together

- Large functions will be converted into state tables for the topology database update and topology validation state machines

- Topology database description will be split into two tables, one for each ringlet

- Mapping of variables to MIB attributes will be generated for inclusion at a common location in the draft

Issues Covered: Highlights

- Editors will convert protection rules that are redundant with the protection state machine into informative text
- Topology stability will be defined so that it does not depend on content of ATD frames
- Jumbo preference rules will be added to state machines
- Isolated station definition will be expanded to include a station with FS configured on both sides
- Trigger to be added to the state machines for transmitting TP frames based on detection of a new station in the ring
- Topology stabilization timer is specified as 5 seconds
- Topology instability timer is specified as 10 seconds
- Range of slowTPTimer specified as 100 ms to 1 second with 100 ms resolution and 100 ms default

Issues Covered: Highlights

- Neighbor inconsistency checking and alarm will be removed

- Failure to clear an invalid entry in the topology database based on reception of a TP frame from a station will result in a topology instability defect

- A station that detects more than MAX_STATIONS in the ring will not go into passthrough or administratively down; this condition will continue to trigger a defect

- The organization-specific ATD frame will be removed, as there is an organization-specific ATT within the station ATD frame

- PICS will be completed

- A variety of minor corrections and clarifications

Punts and Rejections

- 4 punts to WG
    - 505 (TB), 558, 607, 615

- 597 is rejected (non-TB)
    - Detection of neighbor continues to be based on ttl=MAX_STATIONS