



# Revised Topology and Protection Clauses Update

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# Revised Clauses

- Revised Clause 10
  - Cls10\_topology\_crg.pdf
- Revised Clause 11
  - Cls11\_protection\_crg.pdf
- Proposed Informative Annex
  - An\_j\_top\_prot.pdf



# Changes in Clause 10

- Cls10\_topology\_crg.pdf has the following changes from D1.0:
  - Updated editorial notes on PAH progress on actions and deferrals
  - 10.2.1: Trigger for topology discovery messages added for detected change in neighbor identity (#560, July)
  - 10.2.2: Neighbor MAC address fields removed from topology discovery messages and added to topology extended status messages (#475, Sept)
  - 10.2.3: Additional overview description for impact of span failure on station topology information (#562, July)
  - 10.2.6: Additional information added to topology database along with descriptions of these fields (#560, July):
    - Former neighbor MAC addresses
    - Data and control reachability



## Changes in Clause 10 (Cont.)

- Cls10\_topology\_crg.pdf has the following changes from D1.0:
  - 10.2.7: Definitions provided for data reachability, control reachability, and isolated station (#562, July)
  - 10.2.8: Description provided for topology validation criteria (#538, July):
    - Ringlet ID validation
    - Neighbor inconsistency
    - Duplicate MAC address
    - Number of stations on ring
  - 10.3: State diagram added (#528, July)
  - 10.4: Description of topology extended status message and TLV options added (#475, Sept)



## Changes in Clause 10 (Cont.)

- Cls10\_topology\_crg.pdf has the following changes from D1.0:
  - 10.5.1.1: Bi-level periodic timer added (#559, July)
  - 10.5.2: Placeholder for triggering rules and periodic timer for topology extended status messages added (#475, Sept)



## Changes in Clause 11 (Cont.)

- Cls11\_protection\_crg.pdf has the following changes from D1.0:
  - Updated editorial notes on PAH progress on actions and deferrals
  - 11.3.1: Bi-level periodic timer added (replacing exponential backoff timer) (#3578, #3579, Sept)
  - 11.3.3: Re-wording on rules for applying WTR based on topology now maintaining former MAC address information (#582, July)
  - 11.5.3.2: Removal of editorial note stating that need for wrapping status code bit is under consideration (#3589, Sept)
  - 11.7.1.2: Re-wording to reflect that multiple SD scenarios will result in no wraps in steady state (#3601, Sept)



## Changes in Clause 11 (Cont.)

- Cls11\_protection\_crg.pdf has the following changes from D1.0:
  - 11.7.3: Modification to wrapping state diagram to reflect behavior for multiple SD scenarios (#3601, Sept)



# Proposed Informative Annex J

- An\_j\_top\_prot.pdf is an informative annex containing the operation of the topology and protection protocols under a variety of scenarios. A significant number of scenarios still need to be added. (#562, July)





# Motions

- WG approve changes in cls10\_topology\_crg.pdf, cls11\_protection\_crg.pdf for D1.1
- WG approve an\_j\_top\_prot.pdf as an informative Annex for D1.1