802.1AX -- Link Aggregation:

Editor's Report: January 2019

Version 2

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802.1AX status

- AX-Rev-d1.0 went to Working Group ballot on December 7, 2018 through January 10, 2019.

- Ballot results:
  - 17 yes; 1 no; 15 abstain.
  - Ballot passes.
  - 103 comments from 4 commenters.

Easy comments

- 61 comments are very straightforward "Proposed Accept" or "Proposed Accept in Principle". These will be changed to "Accept" or "Accept in Principle" at the end of the Hiroshima meeting without being discussed unless someone requests discussion during the comment resolution sessions:

    1-8, 10-21, 23-31, 39-41, 43-45,
    52-56, 59-62, 74, 77, 79, 80, 85,
    88-101

- On Monday Jan 14 at the Hiroshima meeting we discussed 14 comments:

    Resolved and closed: 9, 32, 33, 38, 47, 50, 51, 58, 102

    Resolved, but keep open until end of Hiroshima meeting: 34, 42, 48

    Still unresolved: 57, 71

discussion topics

- ✓ Solitary Definition: 103
- ✓ ISS Status parameters: 46, 57, 71
- ✓ compareDistributionAlgorithms: 63
- ✓ Renumbering links: 64
- ✓ Counters: 22, 65, 66, 67
- • Expose Aggregator in DR-sublayer: 69
- • Rename objects: 68, 70, 73
- • DRNI System Identifier: 72, 82
- ✓ DRN: 49, 83
- ✓ Clause 8: 75, 76, 78, 86
- ✓ Restructure 9.4: 81, 84
- • Sequence numbers: 87

Distributed Relay Number (DRN):

- DRN is a 2 bit value used for the following purposes:
    1. In intermediate states of Gateway and Aggregator selection (i.e. generation of Home/Nbor_Gateway/Aggregator_Mask variables) to indicate whether the selected Gateway/Aggregator is in the Home system, Nbor system, or neither.
    2. As a tie-breaker in the Gateway/Aggregator selection when all related configuration parameters are the same in both Home and Nbor.
    3. In the two MSBs of the operational key when a DR-sublayer is not paired with another DR-sublayer.

- I think we can eliminate DRN as a configured value:
    1. For this purpose, a locally significant value where '01' = Home and '10' = Nbor can be used.
    2. DRNI System Address can be used for the tie-breaker.
    3. Can use the MSB of the administrative Key value for this. Instead of requiring DRN be configured differently in each system for proper operation, require that the administrative key MSB be configured differently.

Back up slides

Thank You