

802.1AX -- Link Aggregation:

Editor's Report: September 2018

Version 1

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802.1AX status

- AX-Rev-d0.3 went to Task Group ballot in March 2018 and comment resolution in July.
 - Major overhaul of Clause 9 (DRCP), notably limiting DRNI to two Portal Systems in a Portal.
 - Management clauses (7, A, D) mostly untouched.
- Ballot allegedly closed April 9, but editor accepted comments through the July Plenary.
- Comment resolution in May, July, and September meetings.
 - Draft 0.4 in process with resolution to nearly all comments incorporated.

Review of May/July Key Decisions

1. Base top-down overview of CSCD in 6.6 on Mick's contribution:
<http://www.ieee802.org/1/files/public/docs2018/ax-rev-seaman-cscd-suggestions-0518-v01.pdf>
2. Major re-write of introductory DRNI subclauses 9.1 – 9.4
 - Change from “component model” to “sublayer model” for the Distributed Relay functionality.
 - Eliminate unnecessary terminology (esp. “Portal”):
 - “Emulated System”, “Portal”, “DRNI” -> “DRNI”.
 - “Portal System” -> “DRNI System”
 - “Intra-Portal Port”, “Intra-Portal Link” -> “Intra-Relay Port”, “Intra-Relay Connection”
 - Base top-down description of DRNI in Clause 9 on Mick's contribution:
<http://www.ieee802.org/1/files/public/docs2018/ax-rev-seaman-dnri-suggestions-0718-v01.pdf>
3. Revise Definitions in Clause 3 based on Mick's contribution:
<http://www.ieee802.org/1/files/public/docs2018/ax-seaman-suggested-definitions-0518-v01.pdf>
4. Reduce scope of “IPL Sharing”
 - Intra-Relay Ports can be supported by any method capable of supporting the ISS.
 - Annex E to provide examples using an S-VLAN in a Provider Bridged Network and using a backbone service instance in a Provider Backbone Bridged Network.
 - Eliminate definition of any new multiplexing sublayers to support IPL Sharing, including “Time-shared IPL”.
 - So don't need Annex G or the new Annex H.

Unresolved comments to clean up

- 188 and 187
- 219
- 231
- 173
- 160 and 161

Plan going forward:

- Complete draft 0.4 for ballot
 - Implement resolution of remaining comments
 - Reconcile Clause 7 managed objects with variables actually used in clause 6 (LACP) and 9 (DRCP).
 - Update MIB
 - deprecate old DRNI stuff and create new
 - Update PICS
- Task Group Ballot or Working Group Ballot?

YANG

- 802.1AX YANG status:
 - Someone (Marc?) has created a module on github based on 802.1AX-2008.
 - Mick has created a UML that includes the new Conversation-Sensitive Collection and Distribution (CSCD) parameters, but not Distributed Relay/DRNI parameters.
- Have previously concluded that adding a YANG annex would be in scope, but would be done as a follow-up project if no YANG module is contributed.
 - Don't want to include a module that does not match this revision, including CSCD and DRNI.
 - Draft 0.4 should be sufficiently complete to use to develop the module.
 - **If anyone is interested in contributing a YANG module, now is the time!**

Thank You