

# 802.1AX -- Link Aggregation:

## Editor's Report: July 2017

Version 2

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# Draft 0.1

- Draft generated for first Task Force ballot
  - Change bars relative to draft 0.0 (merge of 802.1AX-2014 and 802.1AX-2014-Cor1-2017)
  - Bulk of changes in Clause 6. Other clauses, in particular Clause 9 (DRNI), have very few updates as of yet.
- Significant changes to Clause 6:
  - Replace Mux state machine with proposal from <http://www.ieee802.org/1/files/public/docs2017/ax-rev-seaman-wait-to-restore-0117-v01.pdf>
  - Integrate the per-Aggregation Port portions of Conversation-sensitive Distribution and Collection (CSDC) into existing LACP state machines.
  - Modify CSDC Update Mask state machine to correct behavior when defaulted, specify behavior when management changes administrative variables, and (hopefully) clarify information flow.
  - Added informative text on how CSDC works (and a little on why you might want it).

# Task Group Ballot results

- Ballot Results

- Approve: 4
- Disapprove: 4
- Abstain: 12

- Comments

- Commenters: 5
- Comments: 199
  - TR: 67    T: 34
  - ER: 24    E: 74

# Comment Resolution

- Proposed dispositions in
  - <http://ieee802.org/1/files/private/ax-rev-drafts/d0/802-1AX-Rev-d0-1-pdis-v01.pdf>
- Large number of comments are “Propose Accept” or “Propose Accept in Principle” with minor variations on the suggested remedy.
  - Includes any comments not mentioned in subsequent slides.
  - These will be accepted as is unless someone specifically requests discussion of them.

# Comments to Discuss

- Port Algorithms: 16
- TLV length: 133
- Bit order: 129
- Point-to-point support: 91, 92, 178
- Addressing: 97
- ISS MAC\_Enable: 171, 191
- Digests: 77, 78
- Parameter names: 26, 27, 11, 161, 39, 132
- Determinism: 189
- Mis-ordering: 145, 151, 157
- Loopback: 184
- Individual: 185
- Conformance: 17, 18, 19
- Misc.: 20, 82, 47, 135, 162, 188

Items in blue discussed  
7/11/17 in Berlin

# Mux/WTR comments

- Comments to be discussed
  - Transition with “|| (Wtr\_timeout == 0)”?: 29, 192
  - NTT in DETACHED?: 9
  - Optional WTR?: 35, 38
  - Timer semantics and names?: 29, 33, 30, 31
  - Detached when non-revertive?: 139, 177, 72
  - Coupled\_control and COLLECTING?: 146

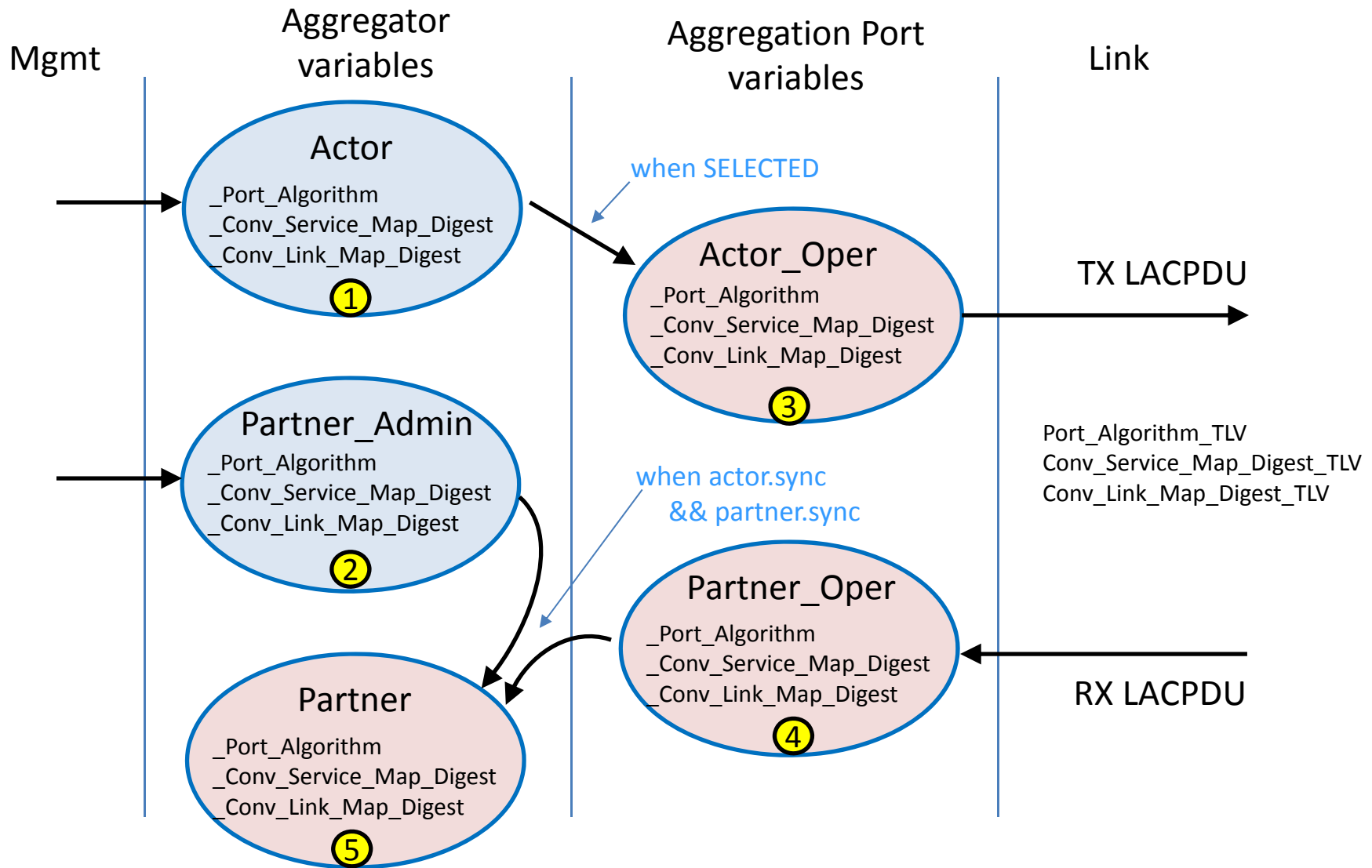
Items in blue discussed  
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# Individual Ports

- A port designated as “Individual” (i.e. not “Aggregateable”) will not form a Link Aggregation Group with any other link.
- What does this mean in terms of selecting an Aggregator?
  - a) An Individual Aggregation Port always has an associated Aggregator that is dedicated to that port. This Aggregation Port cannot select any other Aggregator and no other Aggregation Port can select this Aggregator.
    - This is explicitly the case in the context of “Recommended default operation” in revisions prior to 802.1AX-2014-Cor-1.
  - b) An Individual Aggregation Port selects an Aggregator using the same selection rules as any other port, with the added constraint that no other Aggregation Ports can select the same Aggregator. The fact that a port is designated “Individual” does not, in itself, give that port a higher claim to any particular Aggregator.
    - This seems to be what is envisioned in the “Selection Logic requirements”

# Possible diagram for 6.6.3

re: Comment #161





# Backup Slides