

# IEEE P802.1ABdh Update to LSVR

(Note: P802.1ABdh == XLLDP == LLDPv2)

IETF-110

Online

Paul Congdon (Tallac Networks)

Steve Haddock(Stephen Haddock Consulting LLC)

March 9, 2021

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# Background - References

- Motivated by the requirements of L3DL and other use cases needing to advertise more than 1 frame's worth of information
  - <https://www.ieee802.org/1/files/public/docs2019/new-congdon-lsvr-disco-requirements-for-LLDPv2-0119-v01.pdf>
- Last update at IETF-106 with previous background – November 2019
  - <https://datatracker.ietf.org/meeting/106/materials/slides-106-lsvr-4-status-update-lsvr-ieee-p8021abdh-lldpv2-00>
- IEEE 802 approval to start P802.1ABdh – Standard for Local and Metropolitan Area Networks - Station and Media Access Control Connectivity Discovery Amendment: Support for Multiframe Protocol Data Units – September 2019
  - [https://standards.ieee.org/project/802\\_1ABdh.html](https://standards.ieee.org/project/802_1ABdh.html)
- IEEE 802.1 Project Page
  - <https://1.ieee802.org/tsn/802-1abdh/>
- Most recent technical contributions
  - <https://www.ieee802.org/1/files/public/docs2020/dh-bottorff-xlldp-0320-v03.pdf>
  - <https://www.ieee802.org/1/files/public/docs2020/dh-haddock-overview-and-questions-0720-v0.pdf>
  - <https://www.ieee802.org/1/files/public/docs2021/dh-haddock-multiple-agents-0121-v1.pdf>

# Draft status and technical changes since IETF-106 update

## Status

- Completed 1<sup>st</sup> Working Group Ballot – March 4, 2021
- NOTE: roughly equivalent to IETF WG last call

## Recent changes

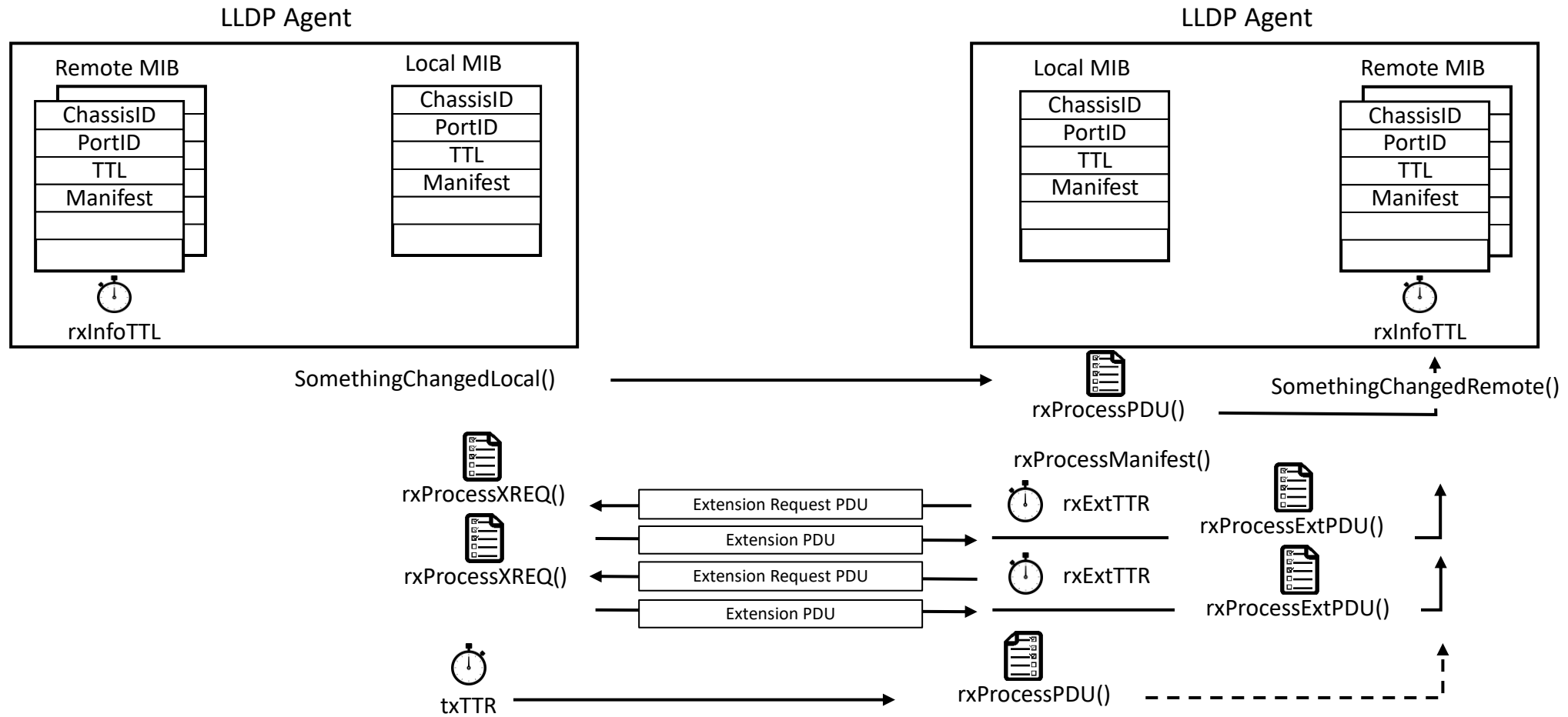
- Complete draft with normative text, state machines, conformance
- XLLDP Terminology and definitions
- Clarification and support for multiple agents per interface

# P802.1ABdh Next Steps

- Resolve comments on D1.0 at IEEE 802 Plenary – March 11, 2021 – 2PM ET
- Initiate WG recirculation ballot after March meeting
- Open Source implementation?
- Consideration of IETF/IEEE liaison and document sharing?

# Backup - Details

# LLDP Extension Operation Proposal: Receiver Pacing



NOTE: Send LLDPDU as specified by LLDPv1 when something changes and periodically  
 Only send extension LLDPDU when explicitly requested by a XREQ  
 Only issue XREQ when manifest shows the local copy is out of date