

IEEE 802.3da SPMD TF: LLDP proposal

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Previously

- Peter Jones
 - [LLDP overview and use cases](#)
 - [Discovery Revisted](#)
 - [PLCA Node ID Allocation Strawman](#)
- Jason Potterf:
 - [LLDP - Traffic Pattern Overview for 802.3da Single Pair Multidrop](#)
 - [802.3da Clause 147 Multidrop Interoperability - Proposed Interpretation and Implementation](#)

Standards

- 802.1AB-2016 - Station and Media Access Control Connectivity Discovery
- P802.1ABdh – Support for Multiframe Protocol Data Units
- 802.3-2022 Clause 79 - IEEE 802.3 Organizationally Specific Link Layer Discovery Protocol (LLDP) type, length, and value (TLV) information elements

What

- Report
 - Segment membership (using “normal” LLDP exchange for MAC addresses, etc)
 - PLCA (PLCA Supported, PLCA Enabled, , D-PLCA Supported, D-PLCA Enabled, PLC NodeID)
- PLCA Control/configuration via LLDP
 - Not addressed, not needed?
- Power
 - Deferred until power solution baseline adopted

Information Elements

- PLCA
 - Capabilities: Bitmap
 - PLCA supported, PLCA active
 - D-PLCA supported, D-PLCA active
 - nodeID: uint 0-255

Proposed text and supporting material

- Refer to jones_3da_0 pages 2_051723.pdf

Straw Poll and Motion

Straw Poll #??

I support adopting the proposed baseline text in jones_3da_0 pages 2 to 6.

voting at:

Y:

N:

A:

Motion #??

Adopt the proposed baseline text in jones_3da_0 pages 2 to 6.

Mover:

Seconder:

voting at:

Y:

N:

A:

I

Consensus

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Miscellaneous Notes

- 802.3.1 MIB and 802.3.2 YANG models are not available as Machine readable extracts (<https://www.ieee802.org/3/publication/index.html>)?
 - Add links to http://www.ieee802.org/3/1/public/mib_modules and <https://github.com/YangModels/yang/tree/master/standard/ieee/published/802.3> to <https://www.ieee802.org/3/> or to <https://www.ieee802.org/3/publication/index.html>).