Multicast LLID Ad Hoc

Attendees

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- Hugh Barrass
- Curtis Knittle
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- Duane Remein
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Status of Multicast LLID in SIEPON

1. SIEPON D2.0 Clause 7 has a placeholder to specify EPON multicast connectivity relying on multicast LLID.

    – SIEPON specification will not conflict with 802.3 requirements. If 802.3 rejects multicast LLID comments, SIEPON will remove the placeholder.

7.3.1.2 LLID-based multicast transport

NOTE: This section is pending resolution of Multicast LLID in 802.3. See Motion #18 from October 2010 meeting. If 802.3 does not add multicast LLID filtering, remove this section.

Status of Multicast LLID in DPoE

1. 3 major cable operators support DPoE specification
2. DPoE v2.0 spec defines multicast architecture for high-speed data.

   – This architecture depends on multicast LLID capabilities.

   – DPoE defines management attributes for multicast LLID.

   – DPoE defines management messages to configure multicast LLID.

Straw Poll

- I prefer
  - Multicast LLID approach ___8
  - Multicast Group ID approach ___1

- 9 people in the room

Conclusion

- Ad hoc has reviewed alternative proposals for multicast groups, one of which would use reserved bits in the preamble.

- Straw poll reflected a preference for original proposal (by Hugh B.)

State of the agreement

- Ad hoc agreed that other management features could take advantage of the capabilities to multicast OAM or MAC Control frames.

- Both proposals are able to satisfy the above requirement.