Proposed P802.3ACby Review

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P802.1ACby Status

9/12   Reviewed/edited by Interworking
        Pre-submitted to Executive Committee

11/12   Considered by 802.1, narrowly failed

1/13   We have a non-802 technology group
        that still would rather work with 802.1
        than do something independently

Proposed Scope

This project adds procedures for inclusion of Ethernet over MOST networks within the set of network types described in the standard as supporting the 802.1 Internal Sublayer Service (ISS).

Background

- MOST is a TDM network supporting multiple services
  - The Packet Data Channel is used for Ethernet communication
  - This service can be viewed as a "fat yellow coax"
- Reference to MOST documentation
  - The MOST Specification expected to be normatively referenced by P802.3ACby is publically available at no charge, meeting IEEE-SA requirements
  - Working on making the PHY specification (not expected to be referenced) available in March

P802.3ACby is bridging

- Bridging Ethernet does not require access to all MOST services

- MOST includes a Media Local Bus (MediaLB) that is a logical connection for bridging
  - Royalty-free RAND license
  - MediaLB is licensed by many companies

Moving forward

- A number of misconceptions about P802.3ACby/MOST have been clarified in personal discussions
- There was consensus in Interworking to do this project
  - Opposition seems to have come mostly from TSN participants
  - A plurality of 802.1 people abstained in November
- Propose reconsideration of the PAR in March, with pre-submittal to the EC