802 Architecture Group Report

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Report on proceeding of the 802 Architecture Group.

Purpose:

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General Items

- Due Diligence around PARs is weak (criticism)
  - Broad discussion about the extent to which groups adhere to their PAR and 5 criteria
  - Criticism of treating a PAR as a license for a group to do whatever it pleases
  - Lack of compliance test to 5 criteria at time of SEC approval to pass to RevCom
  - Compatibility with 802.1D is required. Two groups (including 802.16) have not written the required bridging section in 802.1D
    - This would require 802.16 to raise a PAR to amend 802.1D
  - Many observations that review and oversight mechanisms fail to address PAR & 5C violations
General Items

– Security was a concern
  • .1X/ae/af does not meet link security needs for all MACs (Including 802.16, MAC & MBS keying)
  • Observations that individual MACs need to address security for their own headers and protocols

– DFS & TPC (Power control & Channel Selection)
  • Lack of any pan-802 coordination of this
  • Probably can apply to other network interface items as well
General Items

- **MTU**
  - 802.3 modifying its frame size
  - Affects others who assume 1500 as a minimum (due to bridging with other LAN segments)
    - 802.1D bridging specifies dropping bridged frames that are too large for the target media
  - Especially .16, that has an undefined MTU
  - General observation that an MTU discovery should developed in 802.1. Proposals to 802.1 welcomed
Proposal for Resolution
(Final slide developed in meeting)

• Due diligence issues
  – Tony Jeffries to propose to SEC that the rules for forwarding to SB & RevCom be strengthened
  – WGs should review projects against PAR/5C requirements during the development cycle

• Each WG
  – Prioritize issues
  – Characterize problem
  – Propose approach to resolve, or identify as intractable
  – Identify other groups (802 or external) that may be affected