802 Architecture Group Report

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802 Architecture Group Report

David Johnston, Intel Phil Barber, BMT

General Items

- Due Dilligence 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 .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