

IEEE 802.3 Next Generation Enterprise Access BASE-T PHY Study Group: Status and Work

David Chalupsky, Intel
Acting Study Group Chair

Architecture ad hoc meeting
November 20, 2014

Topics

CFI recap

Study Group Deliverables

Ad hoc next steps

CFI Consensus Building Presentation

- Met Tuesday at November'14 Plenary
 - 131 colleagues were present during the straw poll.
- Presentation materials posted
 - http://www.ieee802.org/3/cfi/request_1114_1.html
- Presenters and Discussion Panel
 - **Amrik Bains**, Cisco
 - **Ron Cates**, Marvell
 - **David Chalupsky**, Intel
 - **Jacky Chang** , HP Networking
 - **Kamal Dalmia**, Aquantia
 - **Peter Jones**, Cisco
 - **Yong Kim**, Broadcom
 - **Tom Souvignier**, Broadcom
 - **George Zimmerman**, CME Consulting

CFI Straw Polls and Motion Results

November 4 & 6, 2014

CFI Straw Polls

- Should a study group be formed for Next Generation Enterprise BASE-T Access?
 - Y: 97 N: **1** A: 23
- I would participate in a Next Generation Enterprise BASE-T Access study group in IEEE 802.3 Tally: 41
- My company would support participation in a Next Generation Enterprise BASE-T Access study group Tally:24

802.3 Closing Plenary Motion

Request that the IEEE 802.3 WG form a study group to develop a PAR and CSD for: "Next Generation Enterprise BASE-T Access"

M: D. Chalupsky S: Y. Kim

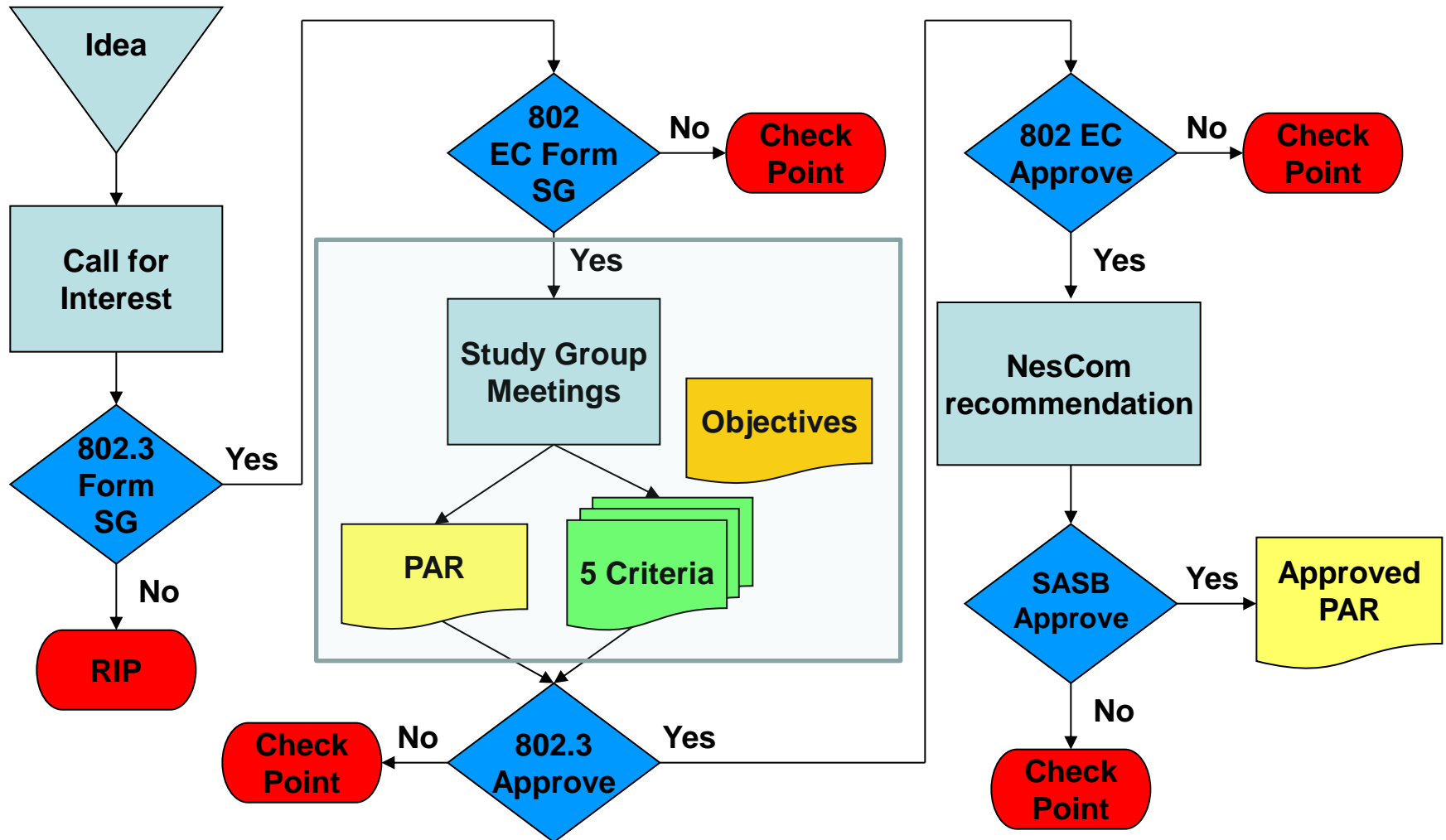
> 50%

Y: 92, N: 0, A: 2 Motion passes 6-November 2014

Study Group Deliverables

- Goal of Study Group is to study the problem and develop the following Project Documentation:
 - Objectives
 - Responses to The Criteria for Standard Development (CSD) – aka 5 Criteria
 - Project Authorization Request (PAR)
- Solving the problem, developing solutions, writing specifications are all Task Force activities
- Best possible schedule
 - Project documentation approved by SG in January'15 meeting
 - Approved by 802.3 in March'15 plenary
 - First Task Force meeting May'15

Overview of IEEE 802.3 Standards Process (1/5)- Study Group Phase



Note: At "Check Point", either the activity is ended, or there may be various options that would allow reconsideration of the approval.

Architecture ad hoc Work

- Architecture ad hoc chartered to begin work on Project Documentation
- The purpose of the ad-hoc will be to discuss the different areas of work (use cases, MAC rate, supported channels, PHY layering & modulation, etc.) that will fall under the work of the group and to prepare content and contributions towards the study group's goal of developing the required documentation of objectives, PAR and CSD.
- Prepare content and contributions to substantiate:
 - Technical feasibility
 - Economic Feasibility
 - Broad Market Potential
 - Distinct Identity
 - Compatibility

Thank You!