10 Gb/s Ethernet on FDDI-grade MM Fiber Study Group Report

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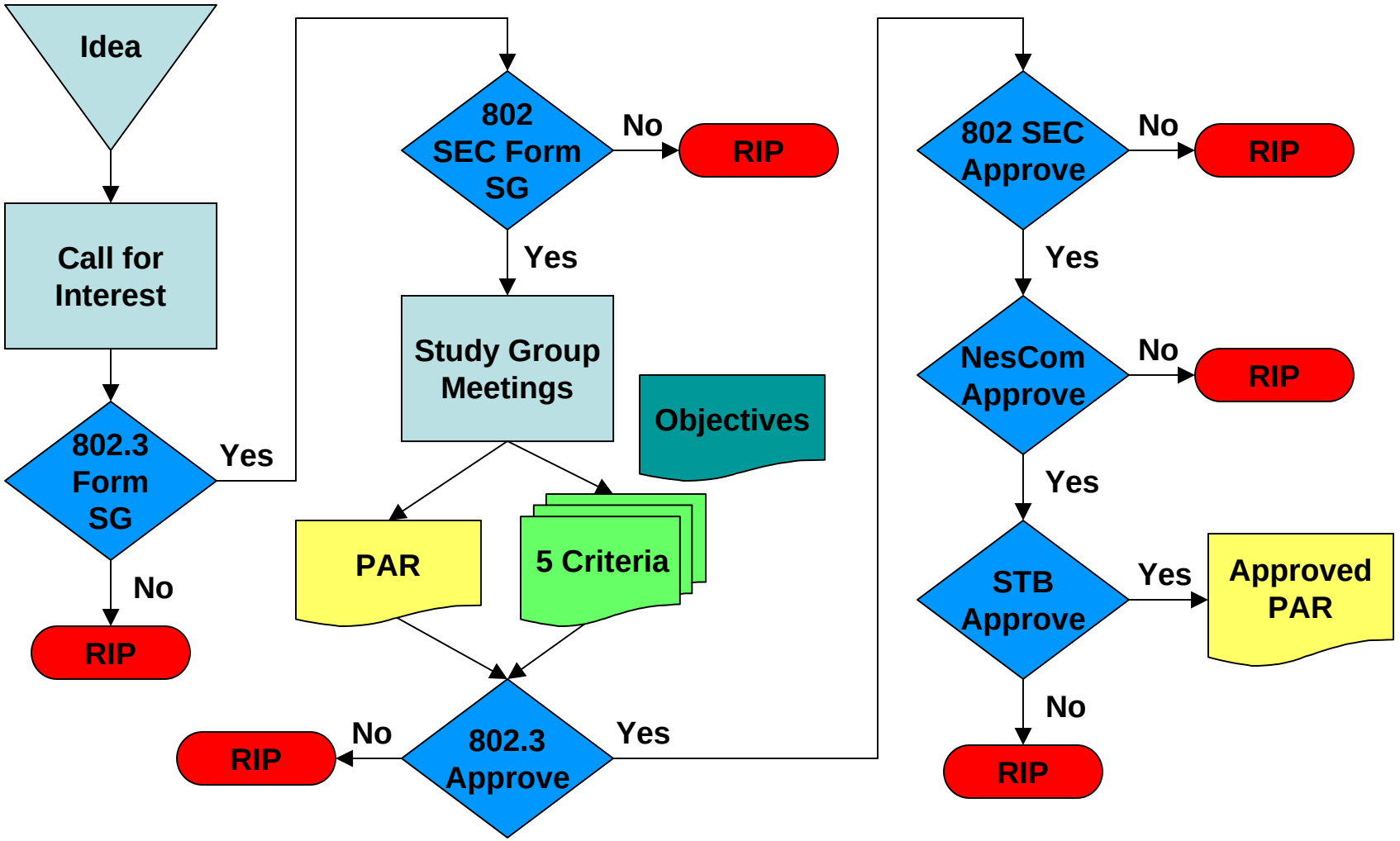
Reflector and Web

- There is a reflector set up
  - To subscribe, use this URL: http://www.ieee802.org/3/10GMMFSG/reflector.html
  - To subscribe via email send this message *stds-802-3-10gmmf <your email address>* to majordomo@majordomo.ieee.org
- 10GMMF Study Group web page URL:
  - http://grouper.ieee.org/groups/802/3/10GMMFSG/index.html

IEEE Standards Process



10G MMF Study Group Report

- Held SG meeting in Vancouver for 2 days. Over 65 engineers representing: end users, IC, systems, transceiver, and network operators!
- Heard over 34 presentations on five criteria and various technical approaches
- Defined problem as support for installed FDDI grade MM fiber with serial solution
- Achieved 75% consensus on PAR, objectives, and five criteria: See URLs on previous page
- Have prepared a tutorial: 16 March, Tuesday 6:00 PM
- Will be refining our documents this week and hearing presentations

SG Objectives (adopted 1/14/04)

- Use the existing 10GBASE-R PCS
- Support a BER of better than or equal to 10^{-12}
- Support fiber media selected from IEC 60793-2-10: 2003
  - 62.5µm
    - 160/500 MHz-km (A1b, 60793-2-10: 2003)
    - 200/500 MHz-km (A1b, 60793-2-10: 2003)
  - 50µm
    - 500/500 MHz-km (A1a.1, 60793-2-10: 2003)
    - 400/400 MHz-km (A1a.1, 60793-2-10: 2003)
    - 1500/500 MHz-km (A1a.2, 60793-2-10: 2003)
- Provide a Physical Layer specification which supports link distances of:
  - At least 220m on installed 500MHz·km multimode fiber
  - At least 300m on multimode fiber

Remember

Tomorrow 6:00PM 10G MMF Tutorial