

# **IEEE P802.3av «10GEPON» Task Force**

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Opening Report to IEEE 802.3 WG

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# September TF Meeting Report

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- 10G EPON TF had a 2-day meeting in Knoxville, TN
- 42 people attended
- Reviewed 15 presentations
- Didn't make any technical motions
- Formed 2 ad hoc committees
  - Wavelength Plan and Power Budget
  - High-Split Ratio 10GEPON

# Ad Hoc on Wavelength Plan / Power Budgets

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- Chair: Shane Eleniak from Alloptic
- Current task is to produce a survey document for carriers
- Identified 42 operators (Telco and MSO) to contact
- Survey draft is semi-stable. Expecting to finalize this week
- Must have responses by January meeting

# Ad Hoc on High-Split Ratio 10GEPON

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- Chair: Marek Hajduczenia from Siemens
- 4 Tasks:
  1. Insertion loss introduced by ODN with 1x64 split and 1x128 split
  2. Operator's required margins (component aging, repair, penalties)
  3. Non-linear effects limiting the launch power
  4. Available Tx/Rx technologies to meet required power budget
- Contributions from Siemens, NTT, KDDI, ETRI, Corning

# Plan for November Meeting

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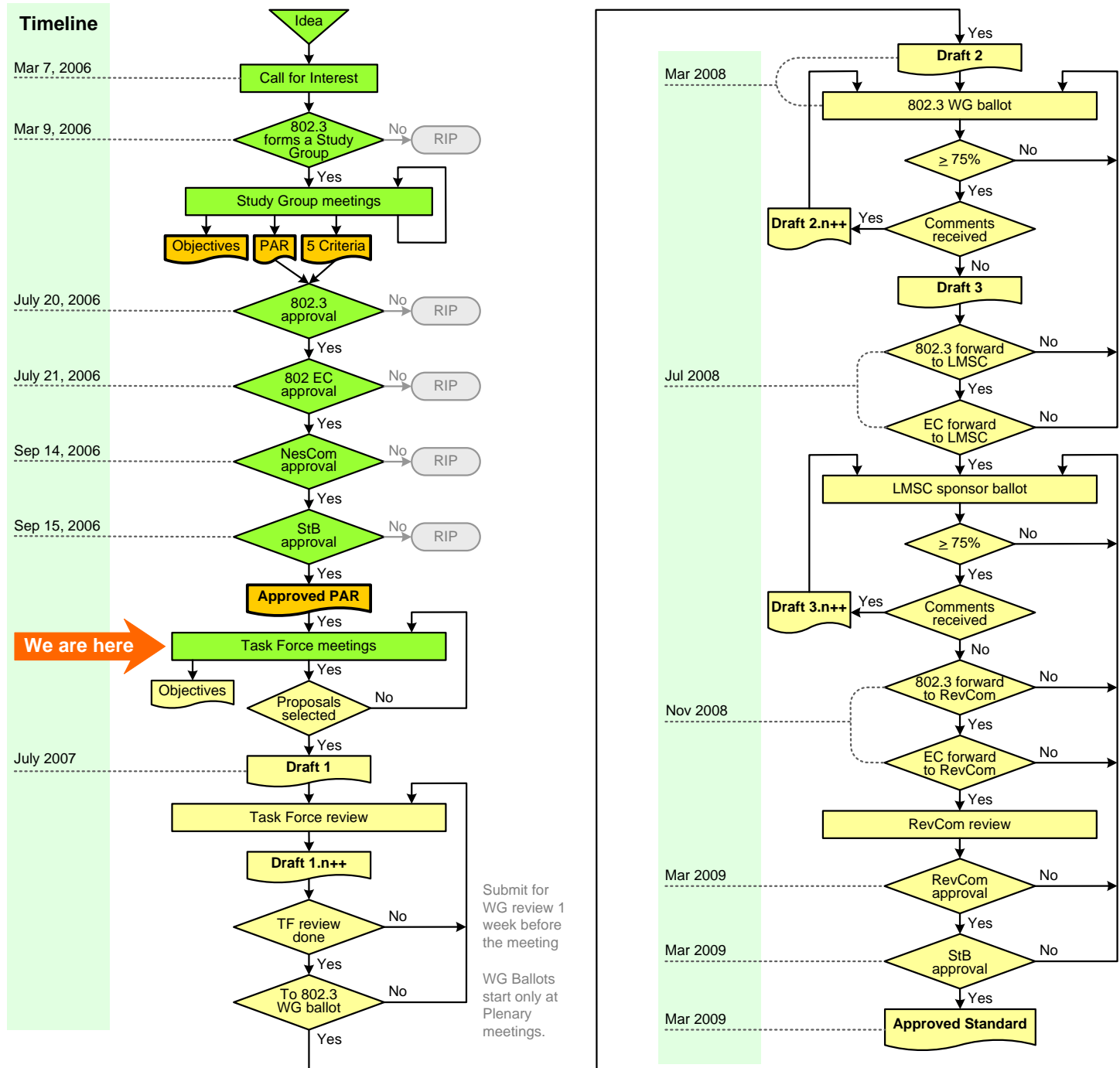
- Review 19 presentations
- Finalize Survey Draft
  - Also approve timeline for contacting carriers and processing the responses
- Discuss feasibility of high-split configuration
- Discuss options for asymmetric rates
- Big thanks to experts who offered to give tutorials:
  - Piers Dawe – Electronic Dispersion Compensation
  - Paul Kolesar - Laser Safety Standards
  - Leo Spiekman - Semiconductor Optical Amplifiers

# Schedule

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- Agreed with HSSG to serialize optics discussions
- **Tue AM:**
  - Optics presentations, Tutorials
- **Tue PM:**
  - High-Split Ad Hoc Report
  - Power budget discussion
- **Wed AM:**
  - FEC discussions
- **Wed PM:**
  - Wavelength/Power Survey Ad Hoc Report
- **Thu AM:**
  - Other Topics: Asymmetric Rates, 10G CDR

# Task Force Timeline



November 13, 2006

# Reflector and Web

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- To subscribe to 10GEPON reflector, send email to:

**[listserv@ieee.org](mailto:listserv@ieee.org)**

and include this line in the *body of the message*:

***subscribe stds-802-3-10GEPON*** *firstname lastname*

(Currently 263 subscribers on 10GEPON SG reflector)

- Our web site is located at:

**<http://www.ieee802.org/3/av/>**

- No private area yet