P802.3ar Congestion Management Task Force

Agenda

Kevin Daines

World Wide Packets

Denver, Colorado

Agenda

- **Welcome and introductions**
- **Appoint recording secretary**
- **Approve minutes**
- **Reflector and web**
- **Ground rules**
- **IEEE**
  - **Structure**
  - **Bylaws and rules**
  - **Call for patents**
  - **IEEE 802.3 standards process**
- **Liaison letters**
- **Presentations/discussion**
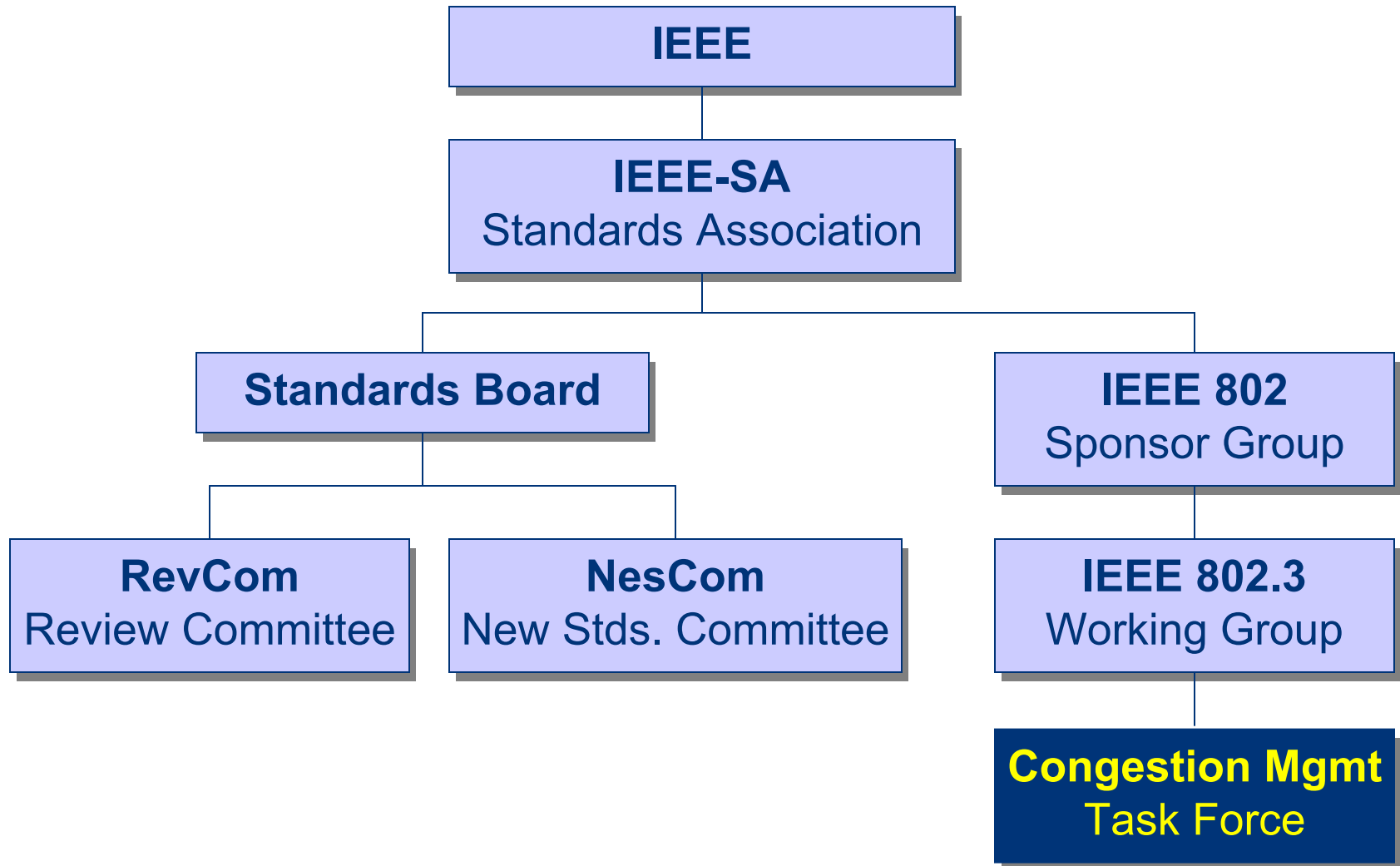- **Motions**
- **Future meetings**

Reflector and web

- **To subscribe to the Congestion Management TF reflector send an email to:**
  - listserv@ieee.org

- **with the following in the body of the message:**
  - subscribe stds-802-3-cm <first name> <last name>

- **Congestion Management TF web page URL:**
  - http://www.ieee802.org/3/ar/

Ground rules

- **IEEE 802.3 WG Operating Rules apply**
  - **Foundation based upon Robert's Rules of Order**
- **Anyone in the room may speak**
- **Anyone in the room may vote**
- **RESPECT… give it, get it**
- **NO product pitches**
- **NO corporate pitches**
- **NO prices!!!**
  - **This includes costs, ASPs, etc. no matter what the currency**
- **NO restrictive notices**

IEEE structure

```
                        ┌─────────────────────────┐
                        │          IEEE           │
                        └─────────────────────────┘
                                     │
                        ┌─────────────────────────┐
                        │         IEEE-SA          │
                        │  Standards Association   │
                        └─────────────────────────┘
                         │                         │
          ┌──────────────────────┐     ┌──────────────────────┐
          │   Standards Board    │     │       IEEE 802        │
          └──────────────────────┘     │    Sponsor Group      │
           │                  │        └──────────────────────┘
  ┌────────────────┐  ┌────────────────────┐  ┌──────────────────────┐
  │    RevCom      │  │      NesCom        │  │      IEEE 802.3       │
  │Review Committee│  │New Stds. Committee │  │    Working Group      │
  └────────────────┘  └────────────────────┘  └──────────────────────┘
                                                          │
                                               ┌──────────────────────┐
                                               │  Congestion Mgmt      │
                                               │     Task Force        │
                                               └──────────────────────┘
```

Bylaws and rules

- **Bylaws of the IEEE Standards Association (IEEE-SA):**
  http://standards.ieee.org/sa/sa-bylaws.pdf

- **Bylaws of the IEEE-SA Standards Board:**
  http://standards.ieee.org/guides/bylaws/sb-bylaws.pdf

- **IEEE LAN/MAN Standards Committee (LMSC) Operating Rules:**
  http://www.ieee802.org/rules.pdf

- **IEEE 802.3 Working Group Operating Rules:**
  http://www.ieee802.org/3/rules/

IEEE-SA Standards Board Bylaws on Patents in Standards

6. Patents

▪ IEEE standards may include the known use of essential patents and patent applications provided the IEEE receives assurance from the patent holder or applicant with respect to patents whose infringement is, or in the case of patent applications, potential future infringement the applicant asserts will be, unavoidable in a compliant implementation of either mandatory or optional portions of the standard [essential patents]. This assurance shall be provided without coercion. The patent holder or applicant should provide this assurance as soon as reasonably feasible in the standards development process. This assurance shall be provided no later than the approval of the standard (or reaffirmation when a patent or patent application becomes known after initial approval of the standard). This assurance shall be either:

   a) A general disclaimer to the effect that the patentee will not enforce any of its present or future patent(s) whose use would be required to implement either mandatory or optional portions of the proposed IEEE standard against any person or entity complying with the standard; or

   b) A statement that a license for such implementation will be made available without compensation or under reasonable rates, with reasonable terms and conditions that are demonstrably free of any unfair discrimination.

▪ This assurance is irrevocable once submitted and accepted and shall apply, at a minimum, from the date of the standard's approval to the date of the standard's withdrawal.

Approved by IEEE-SA Standards Board – March 2003 (Revised February 2006)

# *Inappropriate Topics for IEEE WG Meetings*

- **Don't discuss the validity/essentiality of patents/patent claims**

- **Don't discuss the cost of specific patent use**

- **Don't discuss licensing terms or conditions**

- **Don't discuss product pricing, territorial restrictions, or market share**

- **Don't discuss ongoing litigation or threatened litigatio**

- **Don't be silent if inappropriate topics are discussed… do formally object.**

- **If you have questions, contact the IEEE-SA Standards Board Patent Committee Administrator at patcom@ieee.org or visit http://standards.ieee.org/board/pat/index.html**

- **This slide set is available at http://standards.ieee.org/board/pat/pat-slideset.ppt**

Approved by IEEE-SA Standards Board – March 2003 (Revised February 2006)

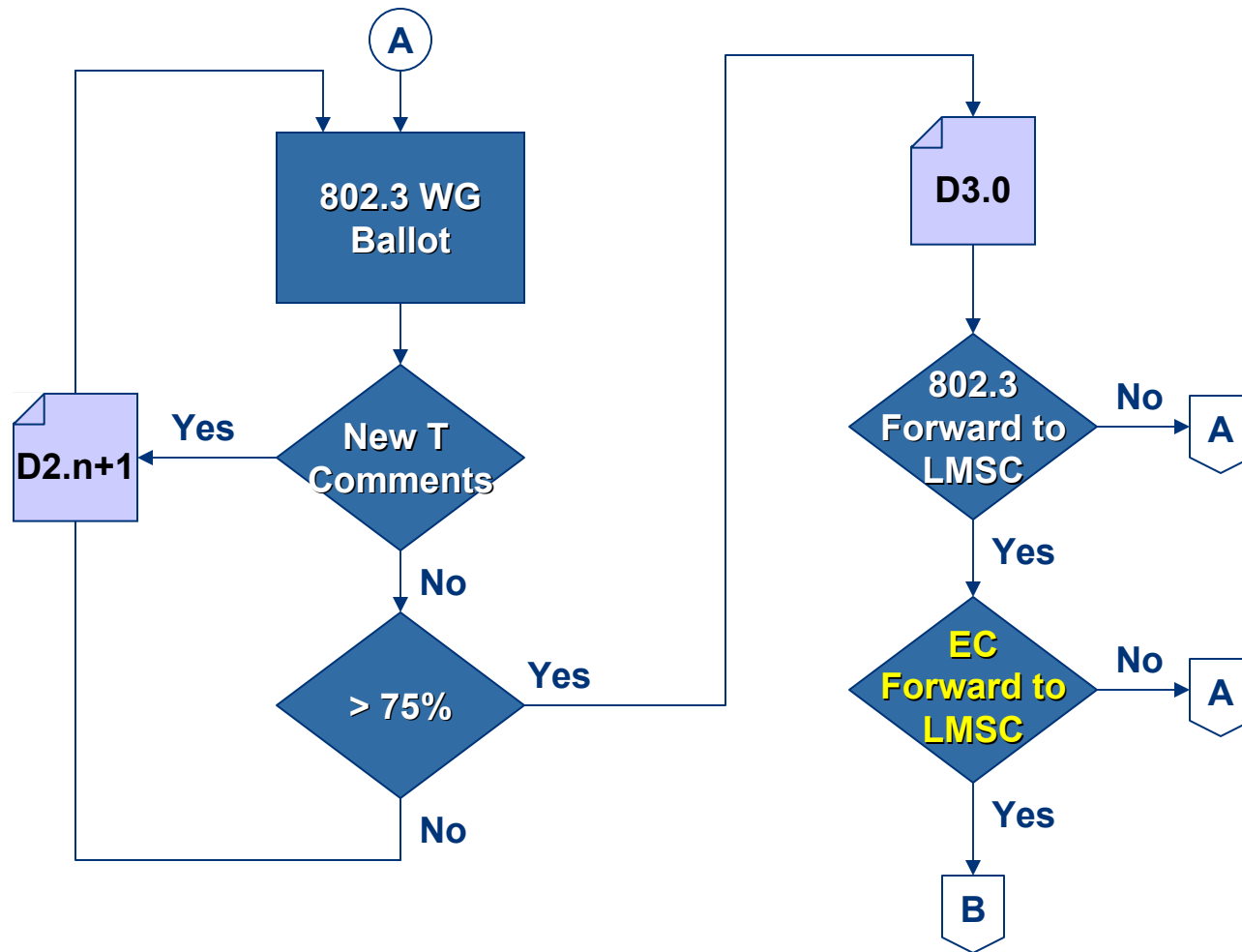# IEEE 802.3 standards process
Study Group formation
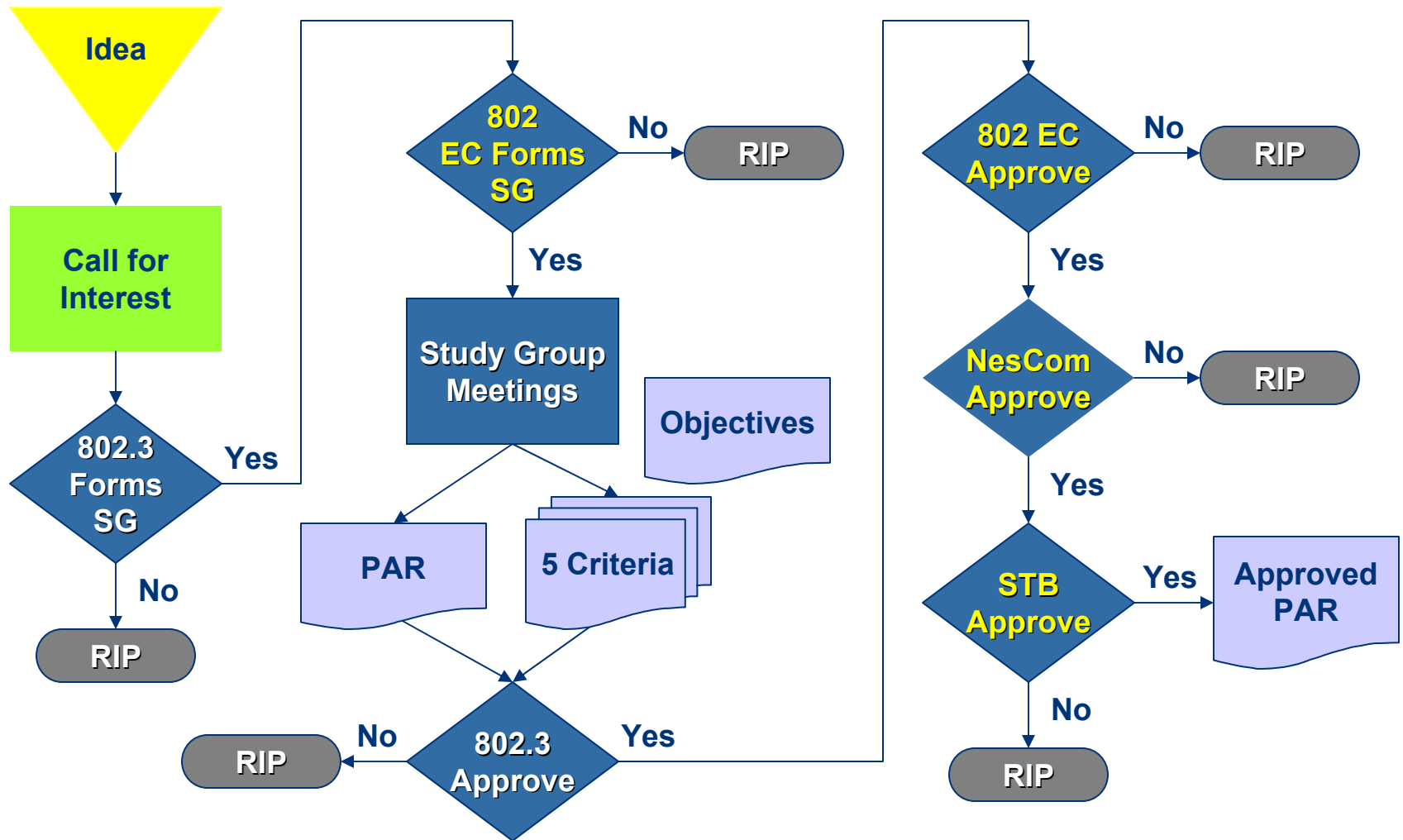
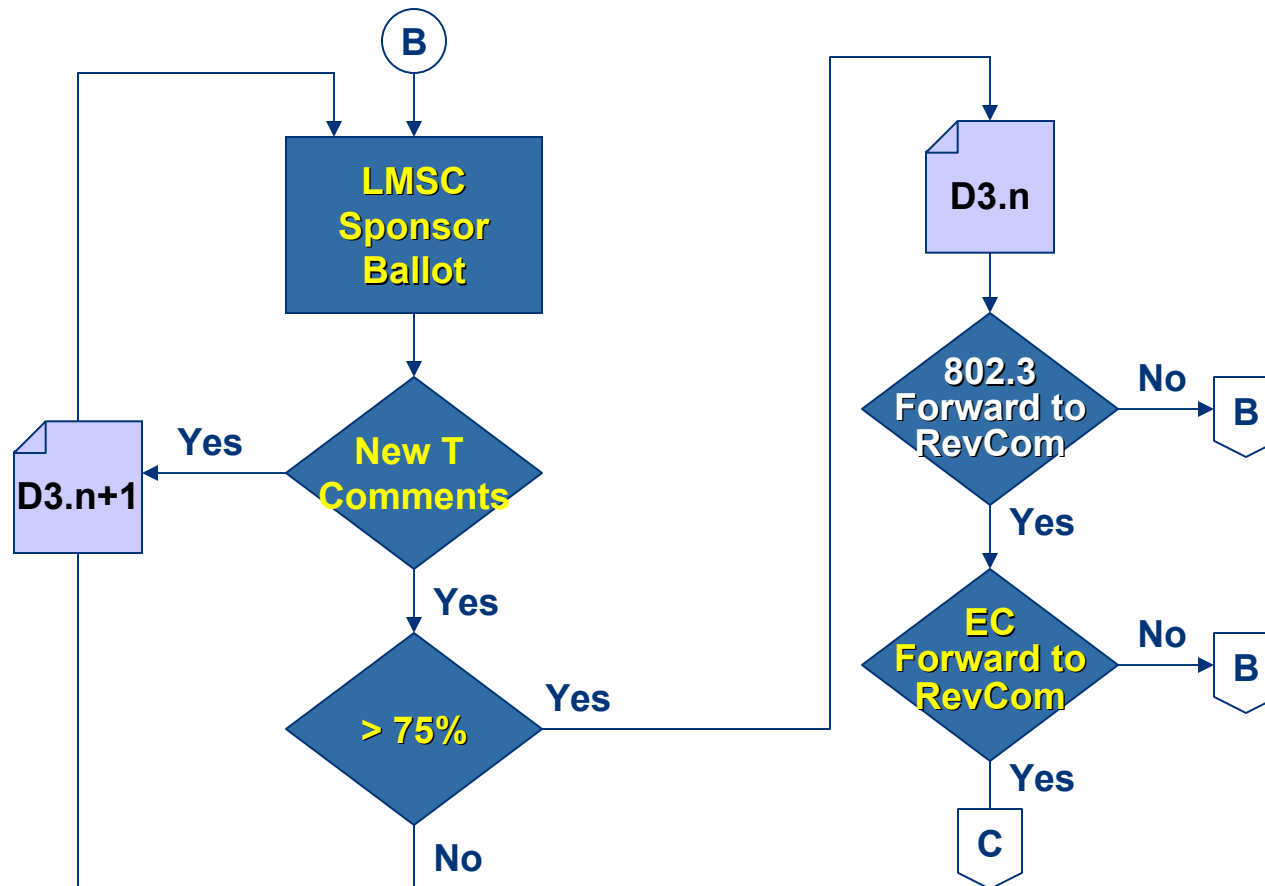# IEEE 802.3 standards process
Task Force review
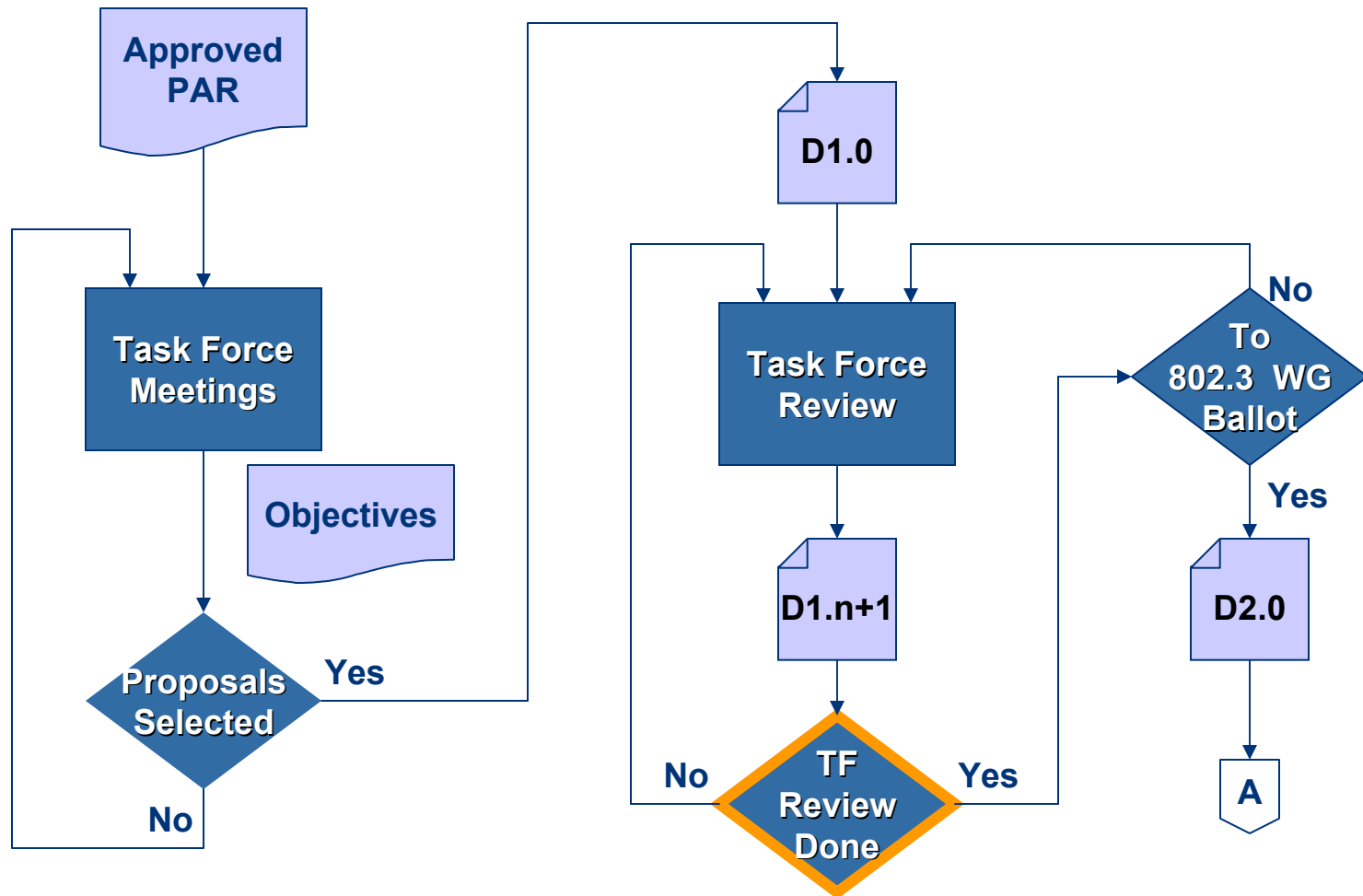
IEEE 802.3 standards process
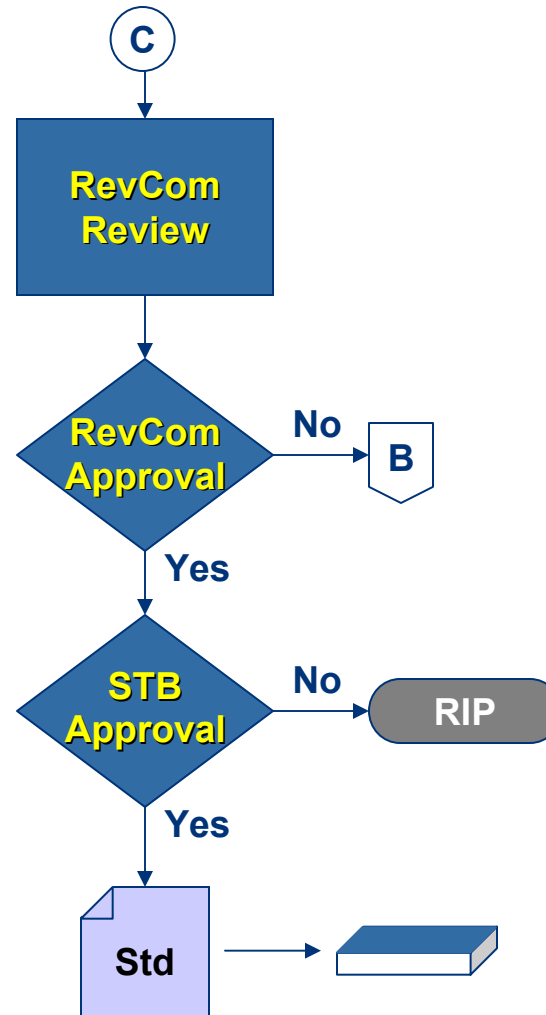## Working Group ballot

IEEE 802.3 standards process
Sponsor Ballot

IEEE 802.3 standards process
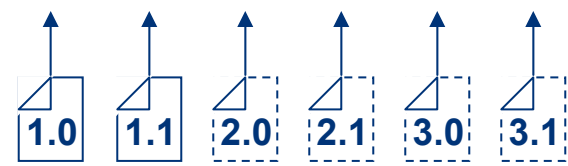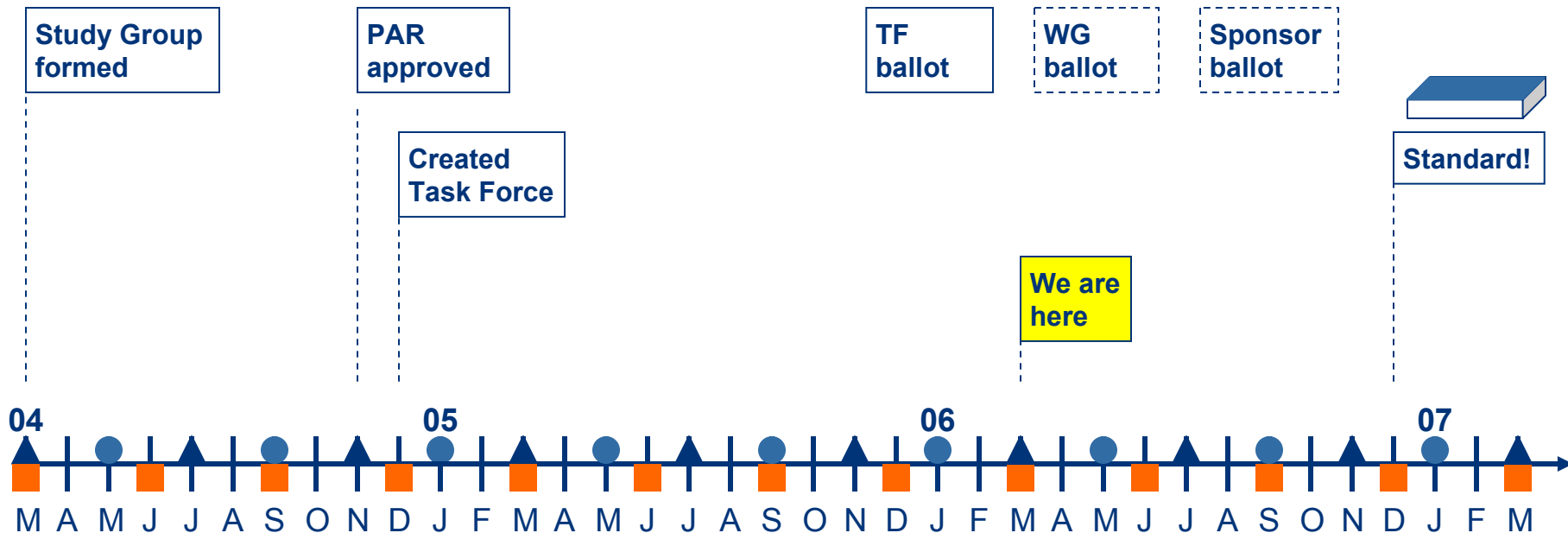## Standard approval

Objectives

1) **Specify a mechanism to limit the rate of transmitted data on an Ethernet link**

2) **Specify a mechanism to support the communication of congestion information**

3) **Minimize throughput reduction in non-congested flows**

4) **Preserve the MAC/PLS service interfaces**

Approved by IEEE 802.3 WG on 18-Nov-2004

Current timeline

Study Group formed

PAR approved

Created Task Force

TF ballot

WG ballot

Sponsor ballot

Standard!

We are here

Adopted baseline proposal

04 — M A M J J A S O N D — 05 — J F M A M J J A S O N D — 06 — J F M A M J J A S O N D — 07 — J F M

1.0   1.1   2.0   2.1   3.0   3.1

Legend
- ▲ IEEE 802 Plenary
- ● IEEE 802.3 Interim
- ■ IEEE-SA Standards Board

802.3ar comment summary

	TR	T	ER	E	Total
D1.0	0	1	0	10	11
D1.1	0	0	0	0	0

TF priorities for March

- **Prepare for Working Group ballot**
  - **Discuss possible Annex 4B**
- **Request WG approval to advance to WG ballot**

Presentations/discussion

Presenter	Topic	Filename
H. Barrass	*Annex 4B MAC options*	proposed_clause4b.pdf

Plans for the week

Day	Time	Room	Activity
Tue 3/7	0900-1200	Granite A (3rd floor)	Opening Discussion of Annex 4B Prepare for WG ballot

802.3ar TF Motion #_

- **Create 802.3ar/D2.0 based on the D1.1 plus resolution of Annex 4B discussion**
- **Request that 802.3 WG circulate IEEE P802.3ar/D2.0 for 802.3 Working Group ballot, and authorize IEEE 802.3ar Task Force to respond to ballot comments and conduct re-circulations as necessary.**

- **M: __ S: __**

- **Y: _ N: _ A: _**
- **$\geq$ 75%**
- **Pass/Fail**

802.3 WG Motion #_

- **Request that 802.3 WG circulate IEEE P802.3ar/D2.0 for 802.3 Working Group ballot, and authorize IEEE 802.3ar Task Force to respond to ballot comments and conduct re-circulations as necessary.**

- **M:** *On behalf of the P802.3ar TF*

- **Y: _ N: _ A: _**
- **≥ 75%**
- **Pass/Fail**

Future meetings

- **IEEE 802.3ar Interim**
  - *May 15-18, 2006, Beijing, China*
  - *Co-located with IEEE 802.1*

- **IEEE 802 Plenary meeting**
  - **July 16-21, 2006, San Diego, California**

- **IEEE 802.3 Interim**
  - *September TBD, 2006, TBD*