



802.3 Standards Development Lessons Learned

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Outline

- Lessons Learned
- Standards Development Process
- Study Group Phase
- Final Thoughts

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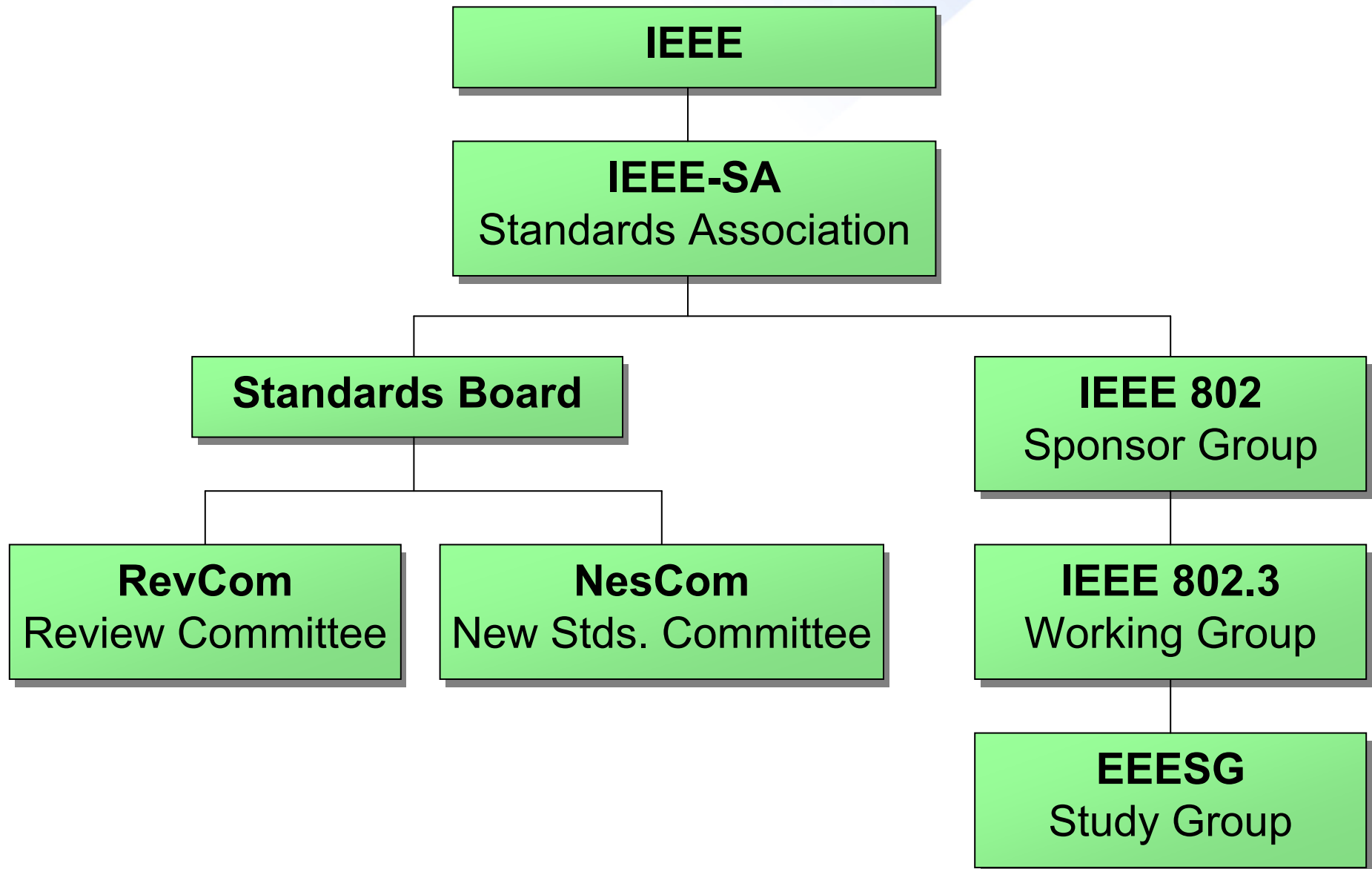
Lessons Learned

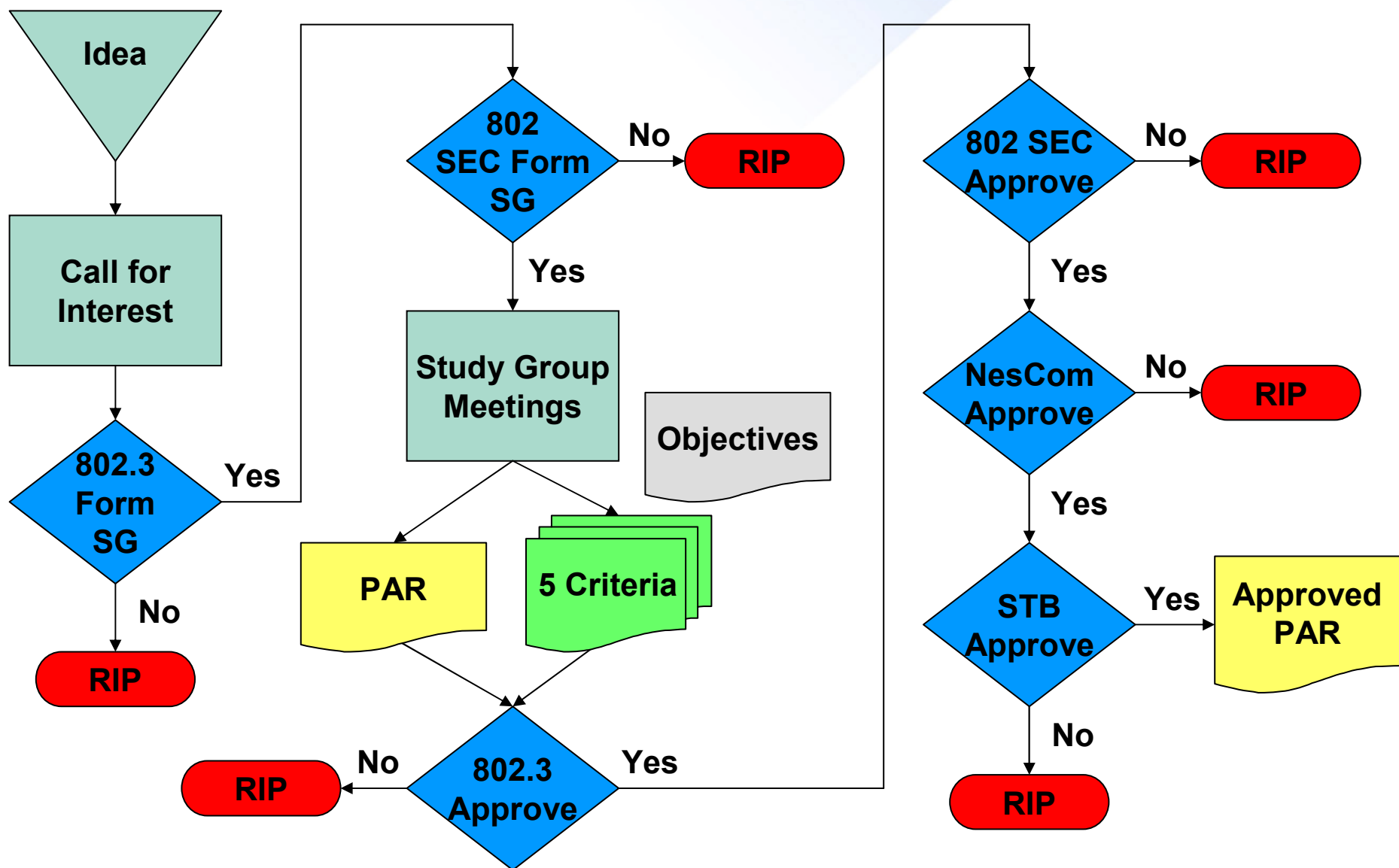
- Past experience
 - Started participating in July 1997
 - Editor-in-Chief, IEEE Std. 802.3ae-2002
 - Chair, IEEE Std. 802.3an-2006
- Knock out objectives first, then 5 criteria and PAR
 - Get the easy objectives out of the way early
 - Frame size and format
 - Network topology
 - Tougher objectives take time
- Consumption of alcohol may cause discussions about standards to appear more interesting than they really are.

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IEEE Standards Structure

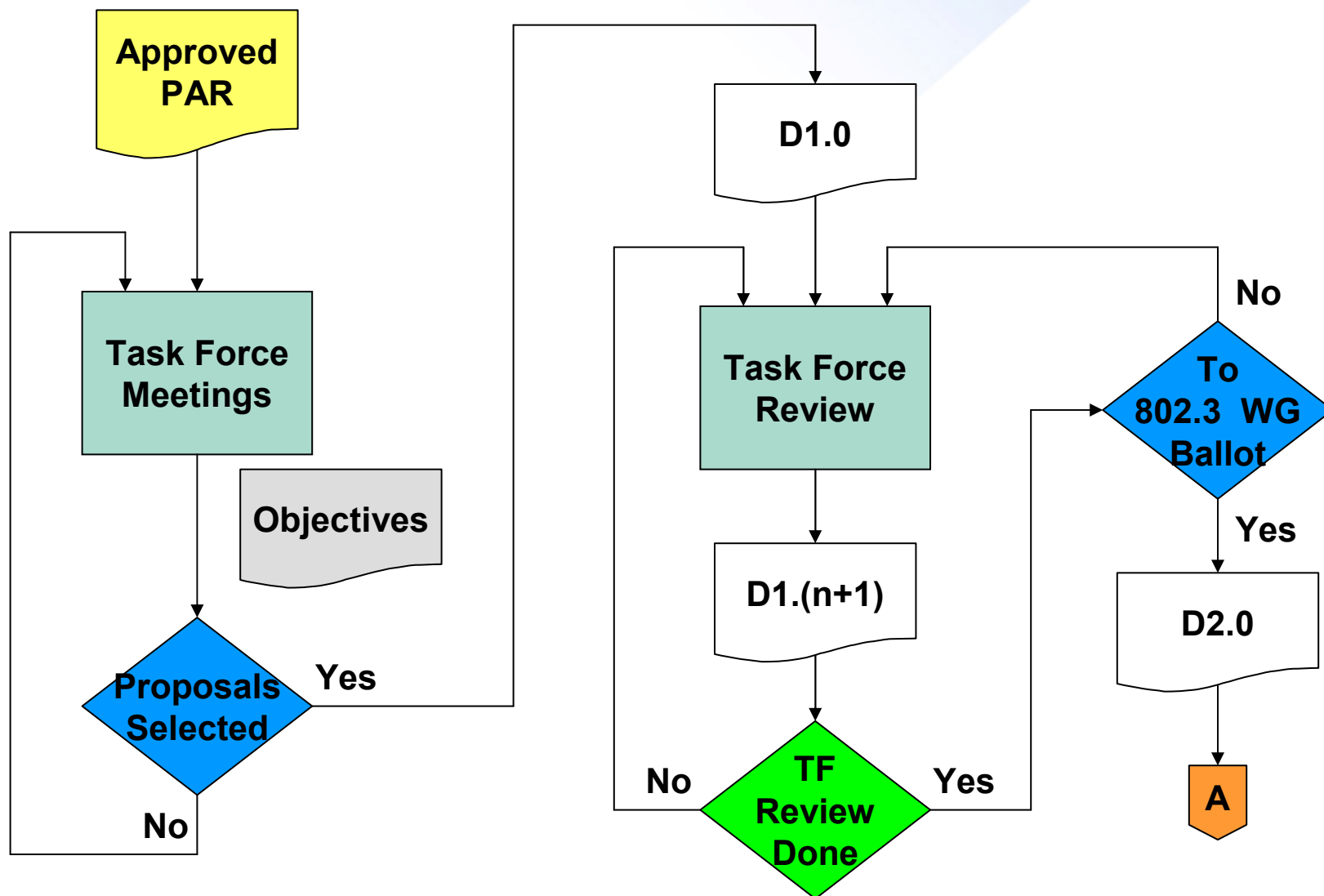


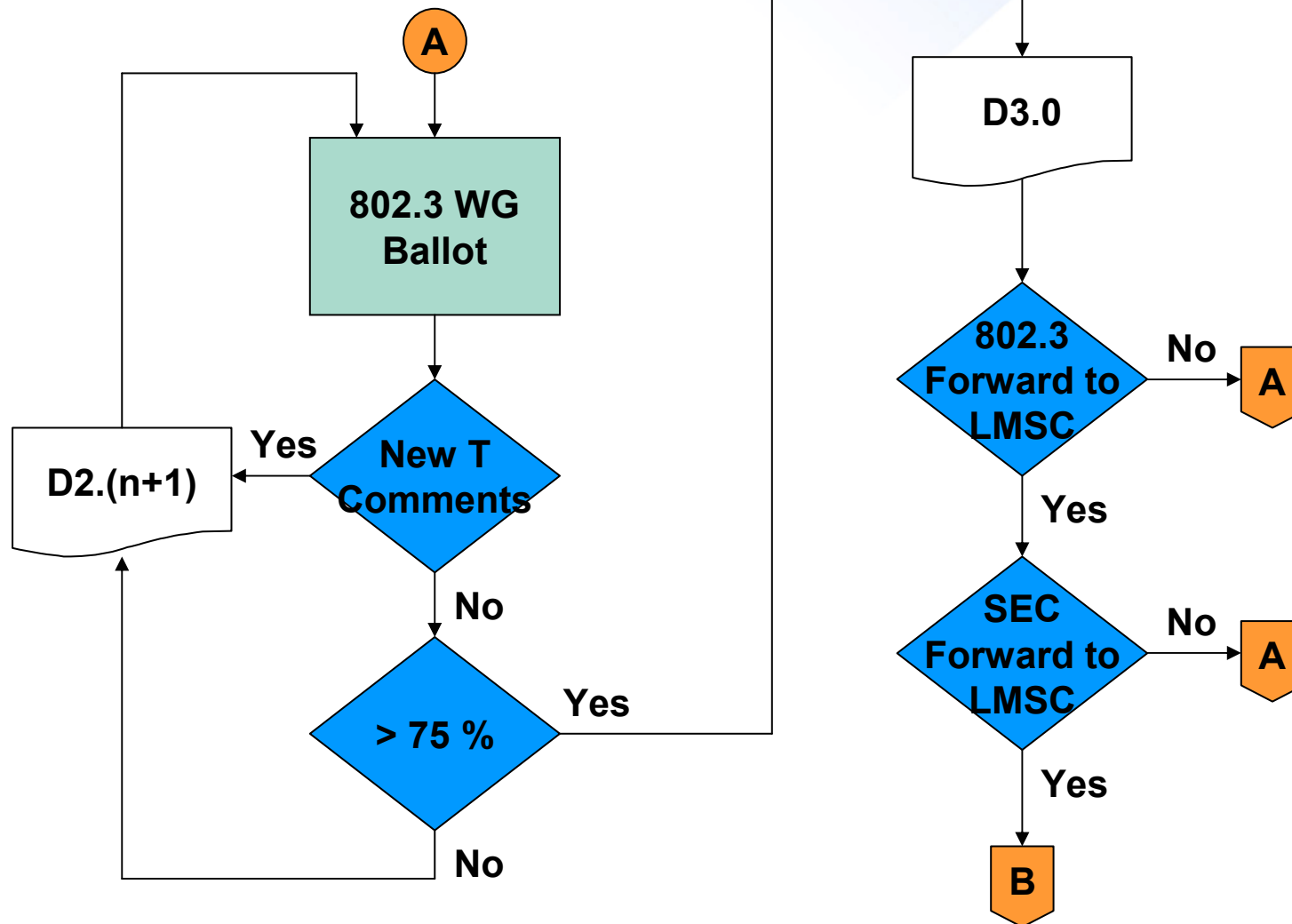


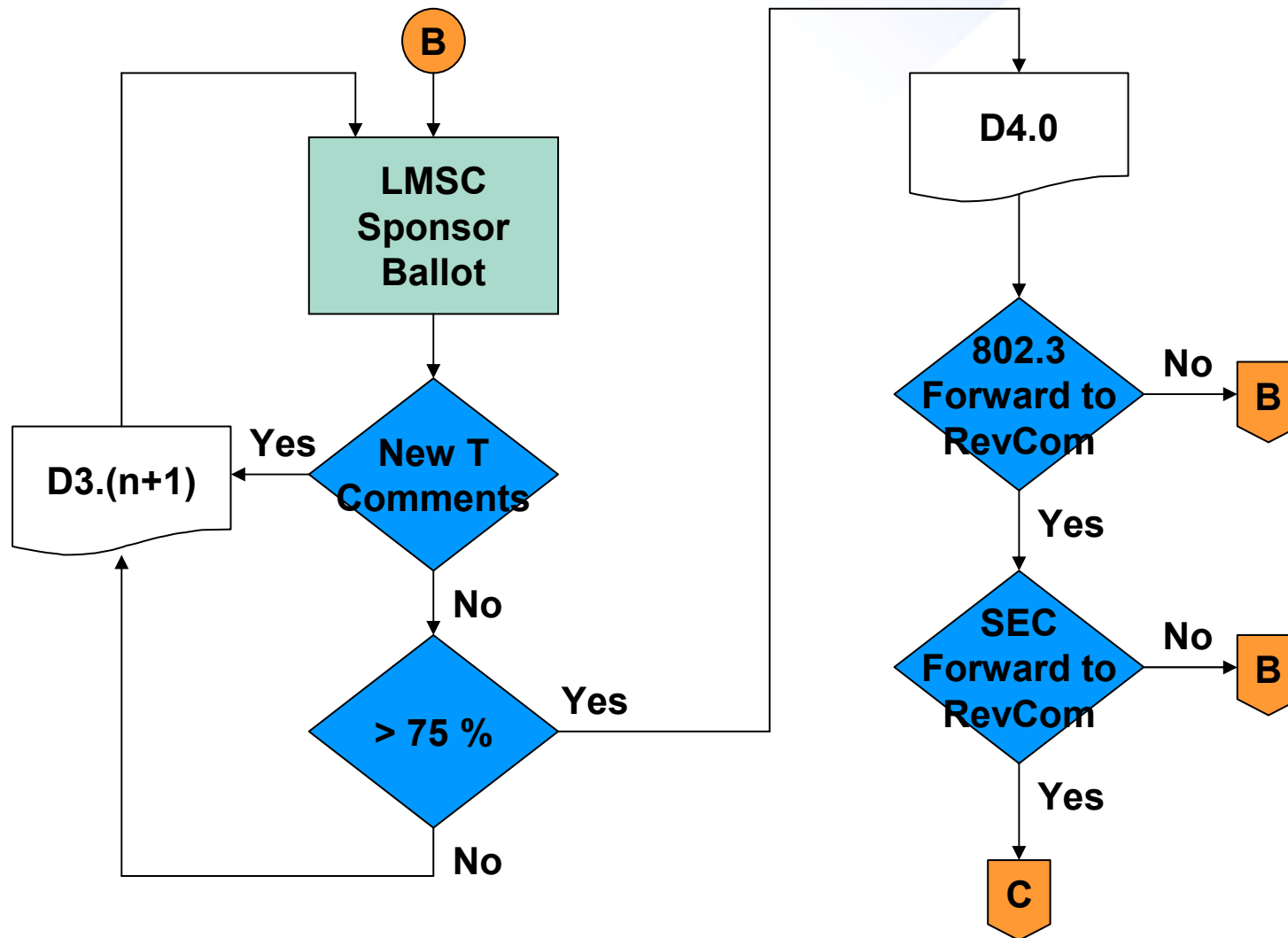
RIP = Not a recommended course of action.

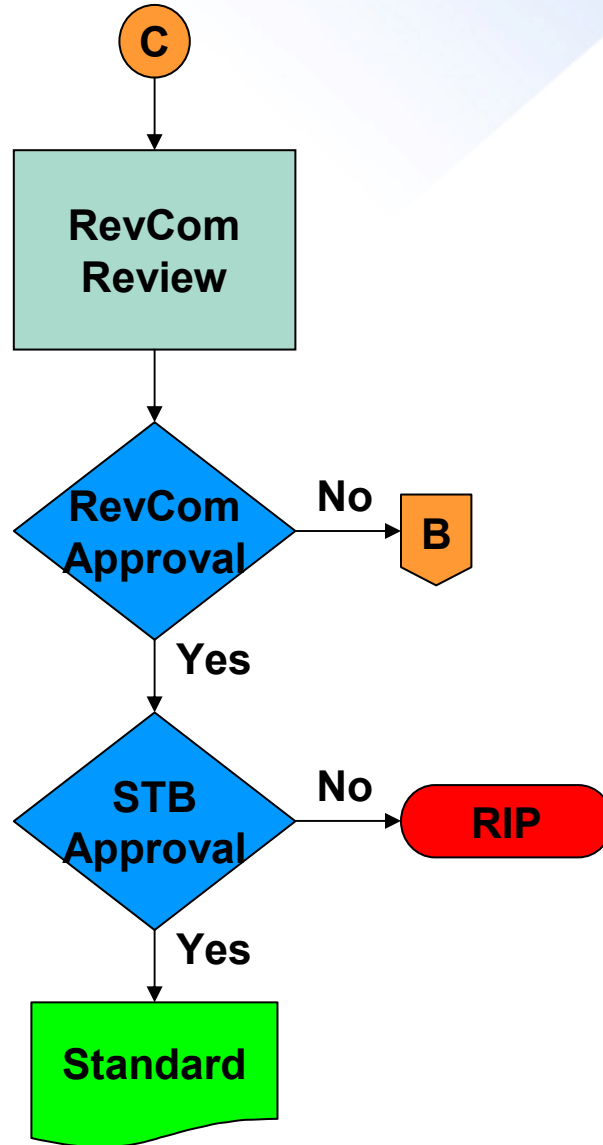
IEEE Standards Process

Task Force Review





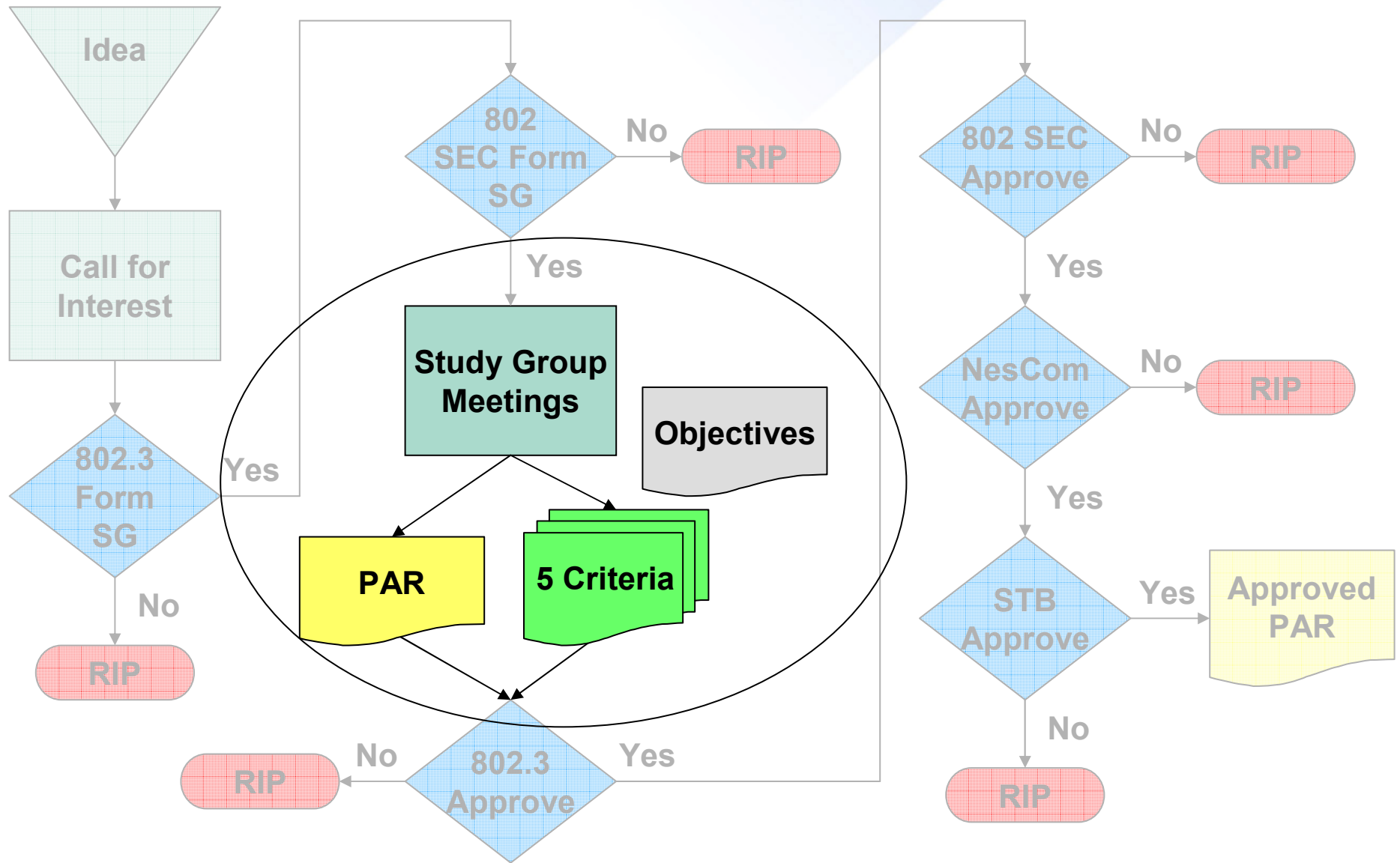




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Study Group Phase



Documents

- Three documents required
 - Project Authorization Request (PAR)
 - 5 Criteria (aka 5 Critters)
 - Objectives
 - No draft standard!!
- Objectives
 - Needs approval from EEESG, 802.3 WG
 - Takes the most time
 - Get the simple ones out of the way fast
 - Use time for any contentious ones
 - Do this first

Documents (cont.)

- 5 Criteria

- Needs approval from EEESG, 802.3 WG, 802 SEC
- Compatibility and Distinct Identity
- Technical Feasibility
- Broad Market Potential and Economic Feasibility
- Work on after the project's objectives are set

- PAR

- Needs approval from EEESG, 802.3 WG, 802 SEC, NesCom & IEEE-SA Standards Board
 - After IEEE-SASB approval, becomes a Task Force
- Easier to complete after the other documents
- Work on last

Tough Objectives

- Level setting
 - Learn 802.3 terminology
 - Develop new terminology where appropriate
- Consensus
 - 75% to adopt
 - Solo efforts are not effective
 - Work with others early
- Stay focused
 - Form ad hocs to close on specific tasks
 - Avoid “let the market decide” mentality
- Work outside the meetings

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Final Thoughts

- Study group phase
 - Consensus permits the effort to move forward
 - Find focused, inclusive objectives for greater consensus
 - Keep objectives simple and to the point
- Objectives vs. implementations
 - Implementation is a specific interpretation of a standard
 - A standard permits multiple implementations
 - Objectives create the scope of a standard
 - Keep the scope broad enough to permit implementations

First and foremost, develop the Objectives!!

- Thank you!