

IEEE Std 802.1Q revision options

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SASB Ops Man

- 8.1.2 Amendments and corrigenda
- Up to three amendments can be approved before the standard shall be revised, unless the base standard has been approved or reaffirmed within the past three years. In the latter case, multiple amendments may be added until the base standard is three years old or three years have elapsed since the most recent reaffirmation of the standard. **After the three-year period, RevCom shall defer consideration of additional amendments or corrigenda until a revision or a two-year extension request is approved** by the IEEE-SA Standards Board. The standard shall not be reaffirmed if three or more amendments to the base standard exist.

802.1Q-2005

- SASB approval Dec 2005
- Published May 2006
- To allow further amendments to be approved, per SASB Ops Man, 802.1Q revision must be completed before **December 2008**
- The next revision trigger will then be **December 2011**

Applied to SASB for an extension

SASB Motion

- Whereas 802.1Q-2005 revision is currently required to be completed by Dec. 2008; and whereas significant work remains; and whereas Ops Man 8.1.2 allows for a two-year extension, RevCom recommends that the SASB approve a two-year extension for the completion of a revision of 802.1Q (until **December 2010**).

Approved: Dec 5, 2007

What is the *block*?

- If 802.1Q revision is not approved by December 2010:
 - SASB process for 802.1Q amendments
 - Sponsor Ballot may start
 - Submission to RevCom for approval is blocked
 - 802 EC process for 802.1Q amendments
 - Sponsor Ballot may be blocked
 - 802.3, 802.11 & 802.16 have avoided this with simultaneous sponsor ballots & RevCom submissions
 - Practically this is likely to start mid-2010
 - 802.1 process for 802.1Q amendments
 - WG Ballot may start

802.1Q revision - option #1

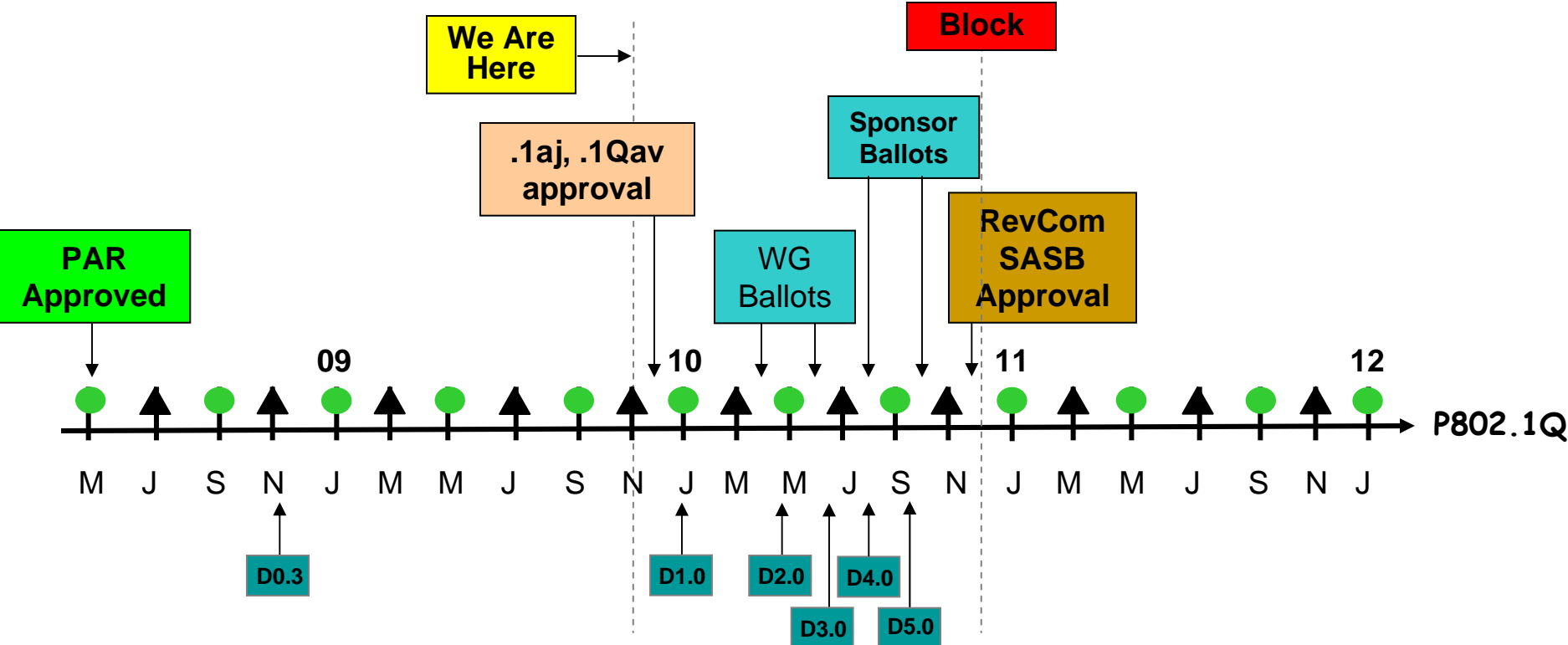
- 802.1Q-2005
- 802.1ad-2006 - PB
- 802.1ak-2007 - MRP
- 802.1ag-2007 - CFM
- 802.1ak-Corr-2008 - MRP
- 802.1ah-2008 - PBB
- 802.1ap-2008 - MIB
- 802.1Qaw-2009 - DDCFM
- 802.1Qay-2009 – PBB-TE
- 802.1aj-2009 - TPMR
- 802.1Qav-2009 – Forwarding & Queuing
- 802.1Qau-2010 - Congestion
- 802.1aq-201x - SPB
- 802.1Qat-201x - SRP
- 802.1Qaz-201x – Transmission selection
- 802.1Qbb-201x – PFC
- 802.1Qbc-201x – RCSI
- 802.1Qbe-201x – MIRP
- 802.1Qbf-201x – PBB-TE protection

Draft 0.3

802.1Q-2010

802.1Q-2013

Timeline Proposal – option #1



Legend

- ▲ 802 Plenary
- 802.1 Interim

802.1Q revision - option #2

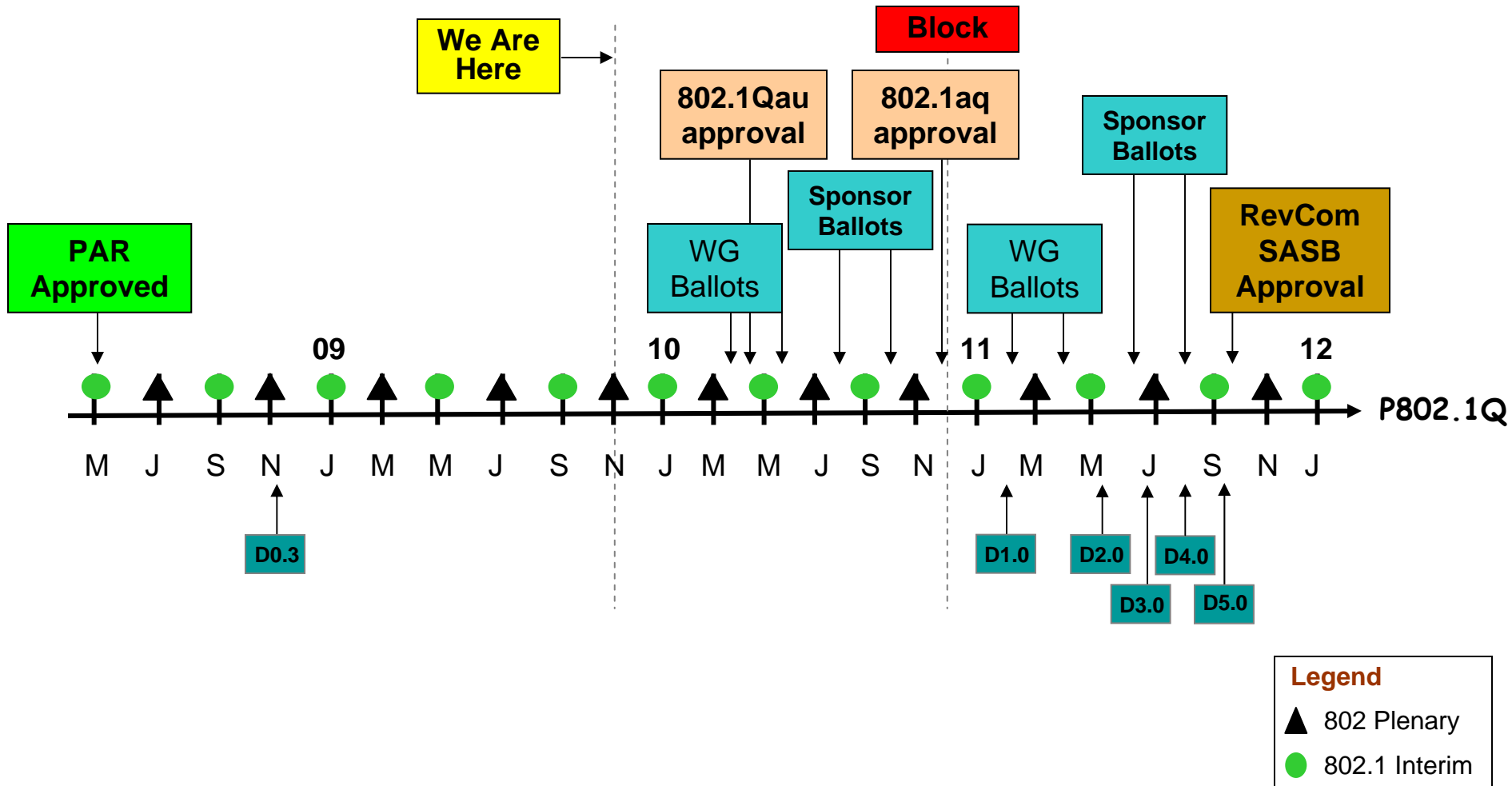
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- 802.1Qbc-201x – RCSI
- 802.1Qbe-201x – MIRP
- 802.1Qbf-201x – PBB-TE protection

Draft 0.3

802.1Q-2011

802.1Q-2014

Timeline Proposal – option #2



Where to draw the line?

- Time based – option #1
 - All Amendments approved by
 - the end of 2009
 - the end of 2010
- Document based – option #2
 - Must include 802.1aq - SPB
 - 802.1aq is the last of the “Carrier Ethernet” set and it would be appropriate to be in the same roll-up
 - 802.1aq includes the merge of xSTP and other material from 802.1D and must be included in the revision such that 802.1D-2004 need not be reaffirmed

802.1Q revision options

- Complete now with 802.1aj & 802.1Qav
 - Does not include 802.1aq (and the 802.1D roll-in)
 - 802.1aq will be an amendment of 802.1Q-2010
 - Likely to complete before block
- Complete after 802.1aq approval
 - Does include 802.1aq
 - Likely to add another year to completion
 - Likely to encounter process issues, and blocks if it slips
- Merge / Parallel 802.1aq & 802.1Q revision ballots
 - Does include 802.1aq
 - Likely to complete before block

Is the extra editing work for the merged/parallel ballots worth the time?