

IEEE Std 802.1Q revision options

SASB – RevCom/NesCom
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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 **Dec 2008**
- The next revision trigger will then be **Dec 2011**

802.1Q revision default

- 802.1Q-2005
 - **802.1ad-2006** - PB
 - 802.1ak-2007 - MRP
 - **802.1ag-2007** - CFM
 - 802.1ak-Cor-2008 - MRP
 - **802.1ah-2008** - PBB
 - **802.1ap-2008** - MIB
 - **802.1aj-2009** - TPMR
 - **802.1aq-2009** - SPB
 - **802.1Qaw-2009** - DDCFM
 - 802.1Qat-2009 - SRP
 - 802.1Qau-2009 - Congestion
 - 802.1Qav-2009 – Forwarding & Queuing
 - **802.1Qay-2010** – PBB-TE
 - 802.1Qaz-2011 – Transmission selection
- 802.1Q-2008
- 802.1Q-2011

Legend: **bold** = provider amendments
dates after 2007 are estimates

Provider Amendments

- 802.1ad – Provider Bridging
- 802.1ad - Connectivity Fault Management
- 802.1ah – Provider Backbone Bridging
 - Enhances scalability of PB
 - Improves/clarifies CFM usage for PBBN
- 802.1ap – MIB for Q/PB/PBB/CFM
 - Required MIB management for basic and provider bridging
 - Given relationship to 802.1ah, WG hopes to sync sponsor ballots. This may delay approval to **2009**.

802.1Q revision with PB & CFM, but without PBB & MIB is incomplete

802.1Q revision preference

- 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
- 802.1Q-2009
- **802.1aj-2009** - TPMR
 - **802.1aq-2009** - SPB
 - **802.1Qaw-2009** - DDCFM
 - 802.1Qat-2009 - SRP
 - 802.1Qau-2009 - Congestion
 - 802.1Qav-2009 – Forwarding & Queuing
 - **802.1Qay-2010** – PBB-TE
 - 802.1Qaz-2011 – Transmission selection
- 802.1Q-2012

Legend: **bold** = provider amendments
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802.1Q-REV PAR

- Will be submitted in in early 2008
- Would prefer revision extension to allow inclusion of:
 - 802.1ad, 802.1ak, 802.1ag, 802.1ah, 802.1ap
- Would require exception to allow approval, before required revision, of:
 - 802.1ak-Cor, 802.1ah, 802.1ap

If agreeable, how does 802.1 request?

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