



>THIS IS **THE WAY**

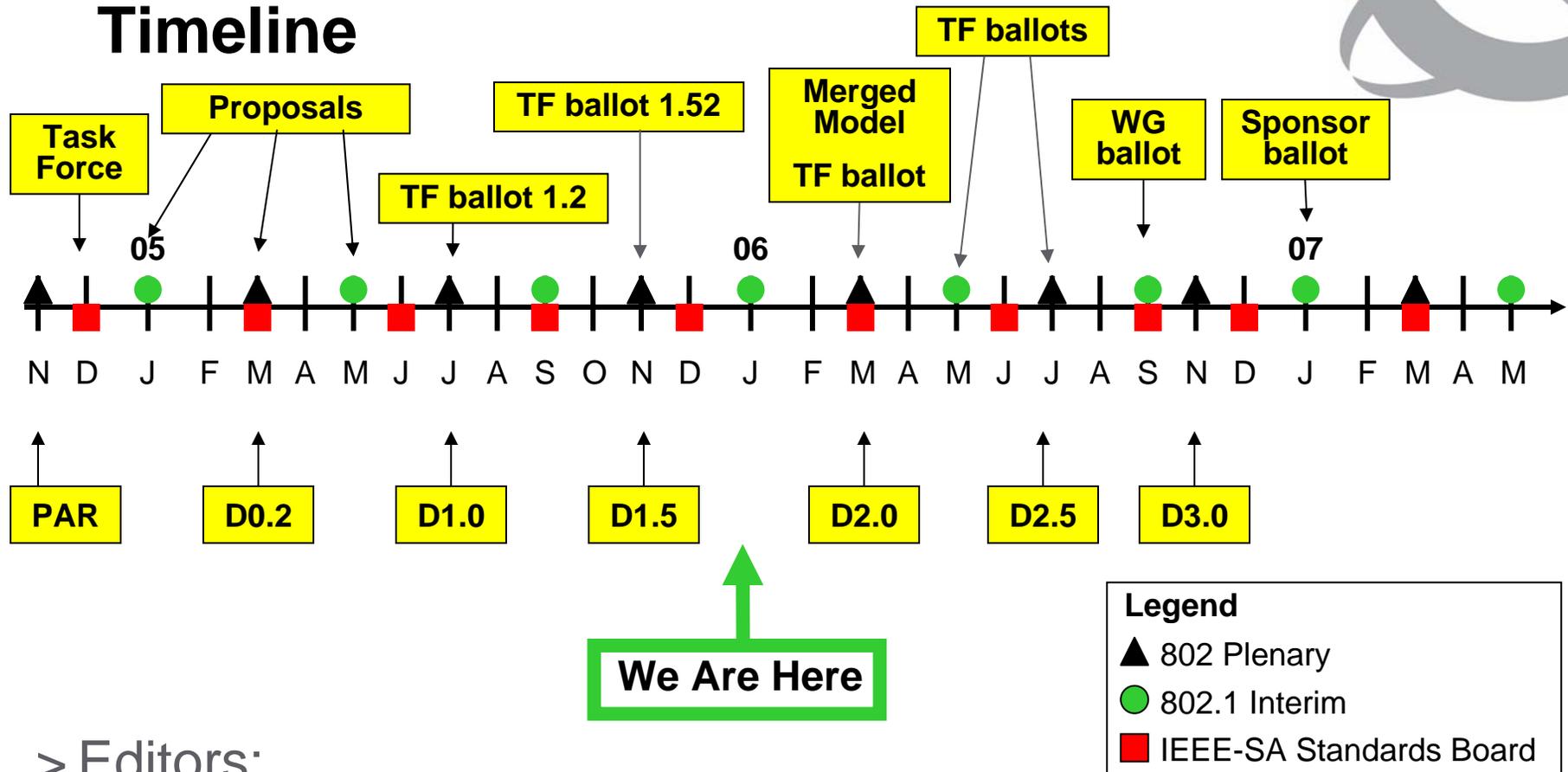
## IEEE 802.1ah Update

Paul Bottorff, Editor 802.1ah  
January 12, 2006

>THIS IS **NO** ~~Q~~ **RTEL**

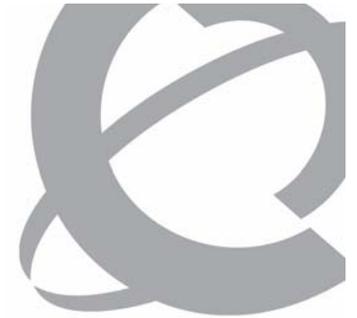


# P802.1ah - Provider Backbone Bridges - Timeline



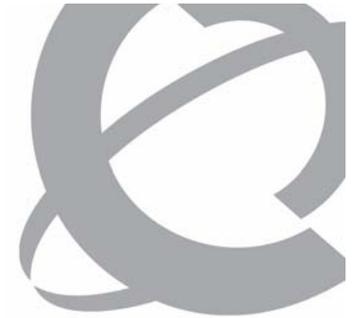
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# Draft 1.5 Content

- > **Clause 1: Scope**
  - Inserted scope statement
- > **Clause 3/4: Definitions**
  - Removed Service Instance and aligned text for 802.1ad definition
  - Added I Port, B Port, I-B Interface, B-B Interface
- > **Clause 5: Conformance**
  - Added Conformance Statements for I-Comp and B-Comp
  - Defined Conformance for I-PBB and B-PBB
  - Need to decide if we need a statement for IB-PBBs
- > **Clause 6: Support of the MAC Service in VLANs**
  - Added section headings for 802.1ah
- > **Clause 17: Management Protocols**
  - Added header section for 802.1ah MIB and management
- > **Clause 23: Support of the MAC Service by Provider Backbone Bridged Networks**
  - Added updated figures and text alignment
  - Removed multiple links between I-Comp and B-Comp
- > **Clause 24: Principles of Provider Backbone Bridged network operation**
  - Aligned terminology with clause 23
- > **Clause 25: Principles of Provider Backbone Bridge operation**
  - Aligned frame format section with moving the encapsulation/de-encapsulation to I-Comp



# Big Ticket Items Draft 1.5

- > Clause 5:
  - Equipment and port definitions
- > Clause 6:
  - Ethernet and Multiprotocol encapsulation with Ethertype or Subtype
- > Clause 12,17,20:
  - 802.1ah MIB
- > Clause 23:
  - Bundled S-VLAN service description
  - Demarcation at I-TAG or S-TAG interfaces
  - Access protection description for Class I-V (should class IV) be included
  - Service protection considerations
- > Clause 24:
  - Extended network diagrams
  - Extension of PBN spanning trees over PBBN
  - Connection to Other networks
  - Hierarchical and Peer 802.1ah interconnect
  - Extension of CFM for 802.1ah
- > Clause 25:
  - Reference model decision
  - Details of I Component and B Component operation
  - Operation of address correlation data base



## Major TF 1.52 Ballot Comment Resolutions

- > Change the 802.1ah reference model to the merged “relay”/”shim” model. The 2.0 draft will use the merged model and will retain the shim model in Annex Z.
- > Retain the sections on Peer and Hierarchal E-NNI in clause 24.6 and expect them to be naturally supported by the merged model
- > Retain transparent and bundled service interfaces without restrictions
- > Allocate 24 bits to the I-SID
- > Close on I-TAG formats at the March meeting (including “multiprotocol” formats). We are soliciting final contributions on formats by March.