



802.1aq Shortest Path Bridging Update

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Actions from November 07

- Action Move forward with:
- SPB for Ethernet Bridges
- SPB for PBB (SPPBB)
 - Options 1 and 2
- Need to address Loop Mitigation
- Draft For Ballot For Interim <- Delayed



802.1aq Standard Progress

- Clause 27 Existing Describes SPB for Ethernet Bridges
 - Two Mechanisms
 - MSTP
 - Link State
 - Needs some consistency checking



802.1aq Standard Progress

- New Clause 28* Describes Shortest Path Backbone Provider Bridges
 - Only uses Link State
 - No Learning
 - MRP functions subsumed by link state
 - Options 1 & 2
 - <http://www.ieee802.org/1/files/public/docs2007/aq-fedyk-sajassi-sppbb-review-solutions-1107.pdf>
- *Temporary Editors Clause for now

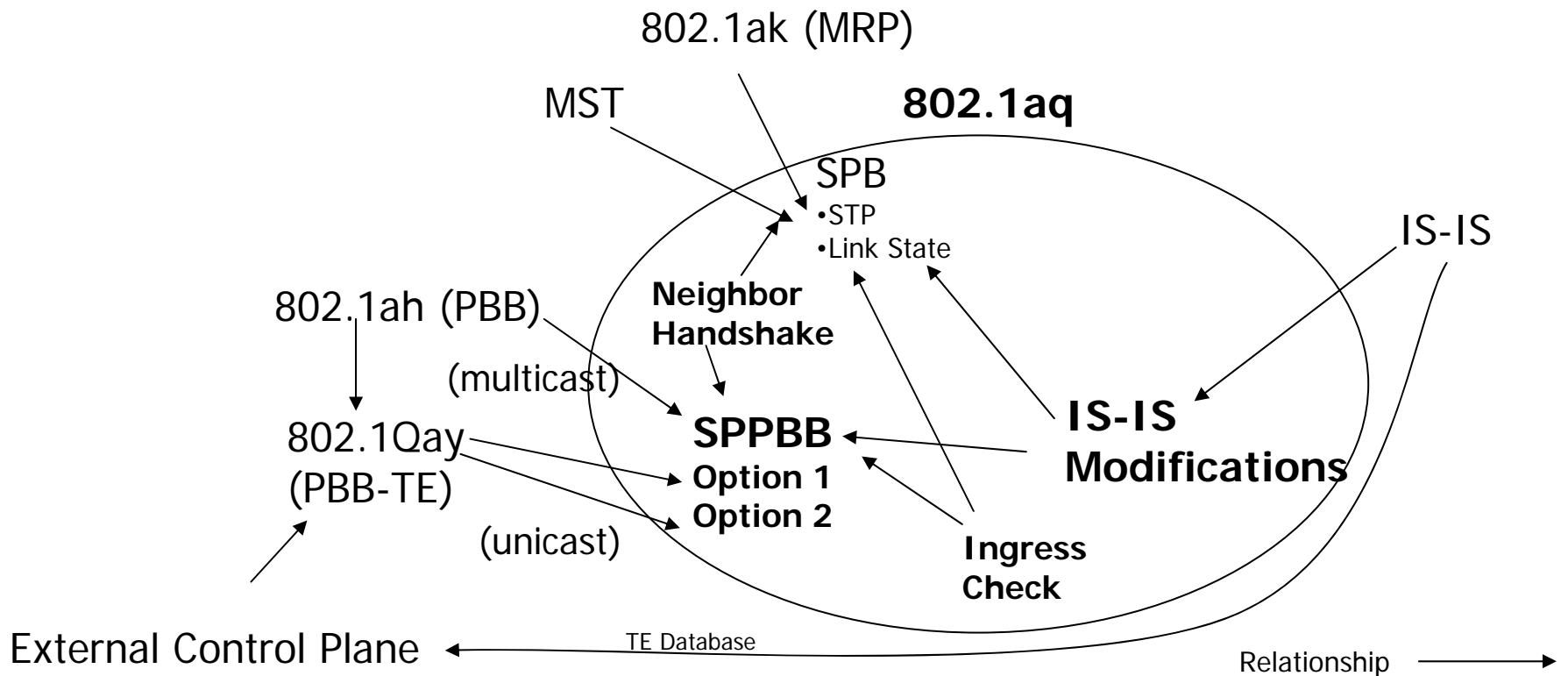


802.1aq Standard Progress

- New Clause 29* describes additional TLVs to IS-IS for ALL of SPB and SPPBB
- Working out details (not complete)
- Introduces Group Service Identifier (G-SID)
 - I-SIDs map to a single G-SID

***Temporary Editors Clause for now**

802.1aq Projects Synergies





Loop Prevention Update

- Meeting this week to discuss issues
- Basic Premise – Loops Happen with low probability
- How to deal with them in standards
 - Mitigation
 - Ingress check (SPPBB)
 - Fast convergence (IS-IS)
 - <http://www.ieee802.org/1/files/public/docs2008/aq-fedyk-loop-prevention-0108-v1.pdf>
 - Avoidance
 - Blocking ports until neighbor handshake (SPB, SPPBB)
 - Mick to supply text.



Actions /Guidance

- Clauses 27&28 or 27, 28, 29 ?
- Update text for consistency
- Describe the Loop Neighbor Check
 - Mick
- Draft for Task Group Balloting by Feb 16th for March Interim