

IEEE 802.1 Shortest Path Bridging Comment Summary For Discussion

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D2.0 Comments

- 266 Comments
- Comments returned from 12 people
- Approve 1, Disapprove 11, Abstains 39

Major Themes

- Clarification
- Corrections (Update clauses)
- Terminology
- Port State
- Allocation Protocol logic and Link State
- Do we need the IST/CST in PBB

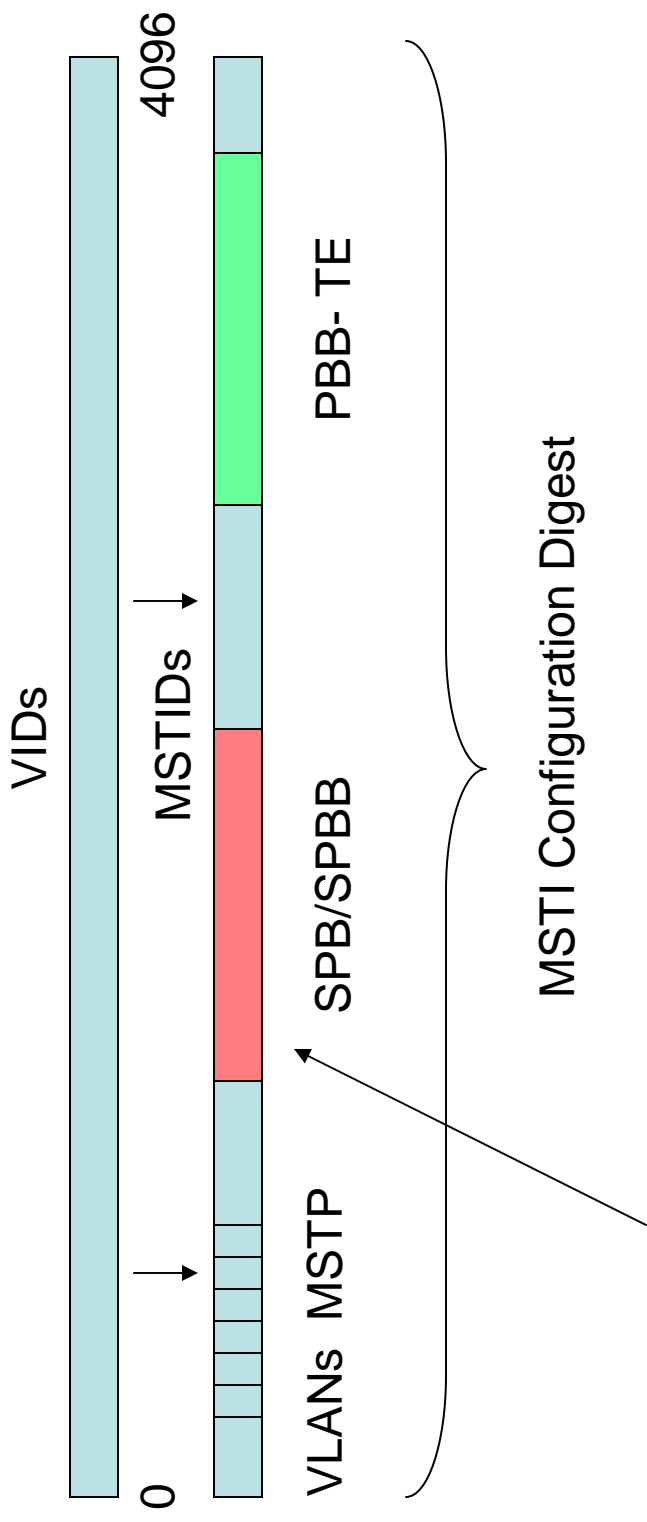
Terminology

- **SPB-ISIS versus SPB/SPBB**
 - Issue is that SPB differs from SPBB
 - Should we use SPB, SPBB and SPB/SPBB to clarify?
- **Source Bridge SPVID versus Primary SPVID**
- **SPT region versus SPB region**
- **SPT Set**

Port State

- Port state for every tree that ingresses and/or egress.
- Port state for every tree? Versus port state for IST.

VID allocation

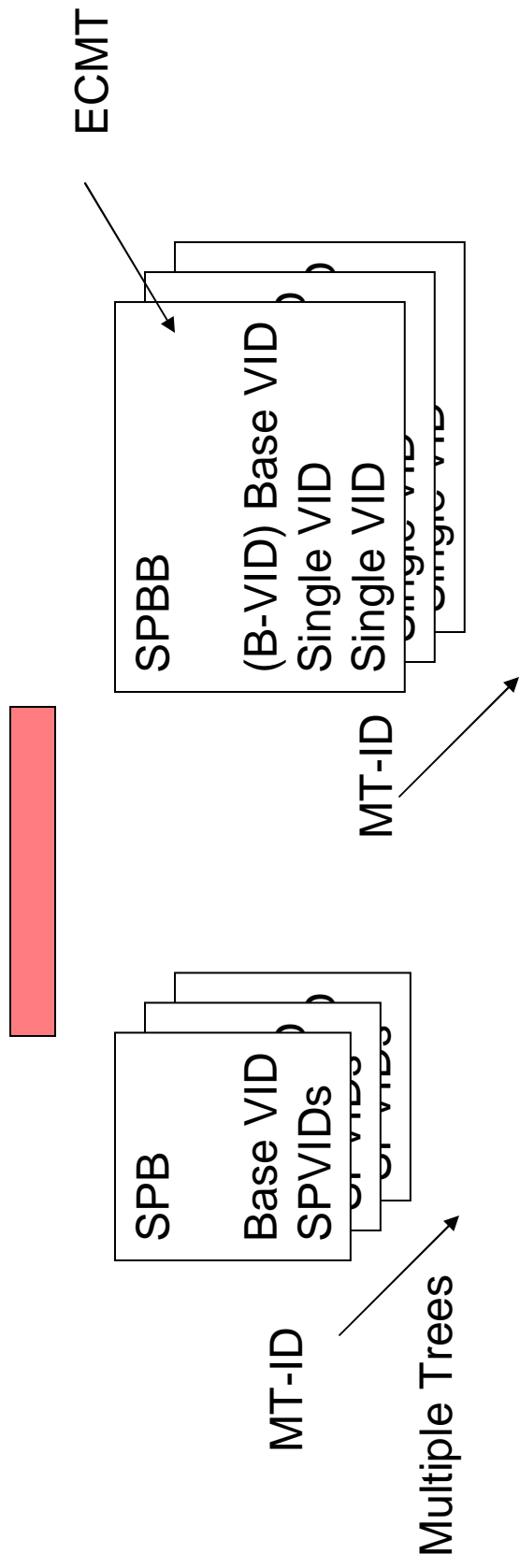


SPT Sets

Question Now that we have Allocation algorithms can we simplify the Sets? Otherwise the digest and the SPT sets could be tightly coupled

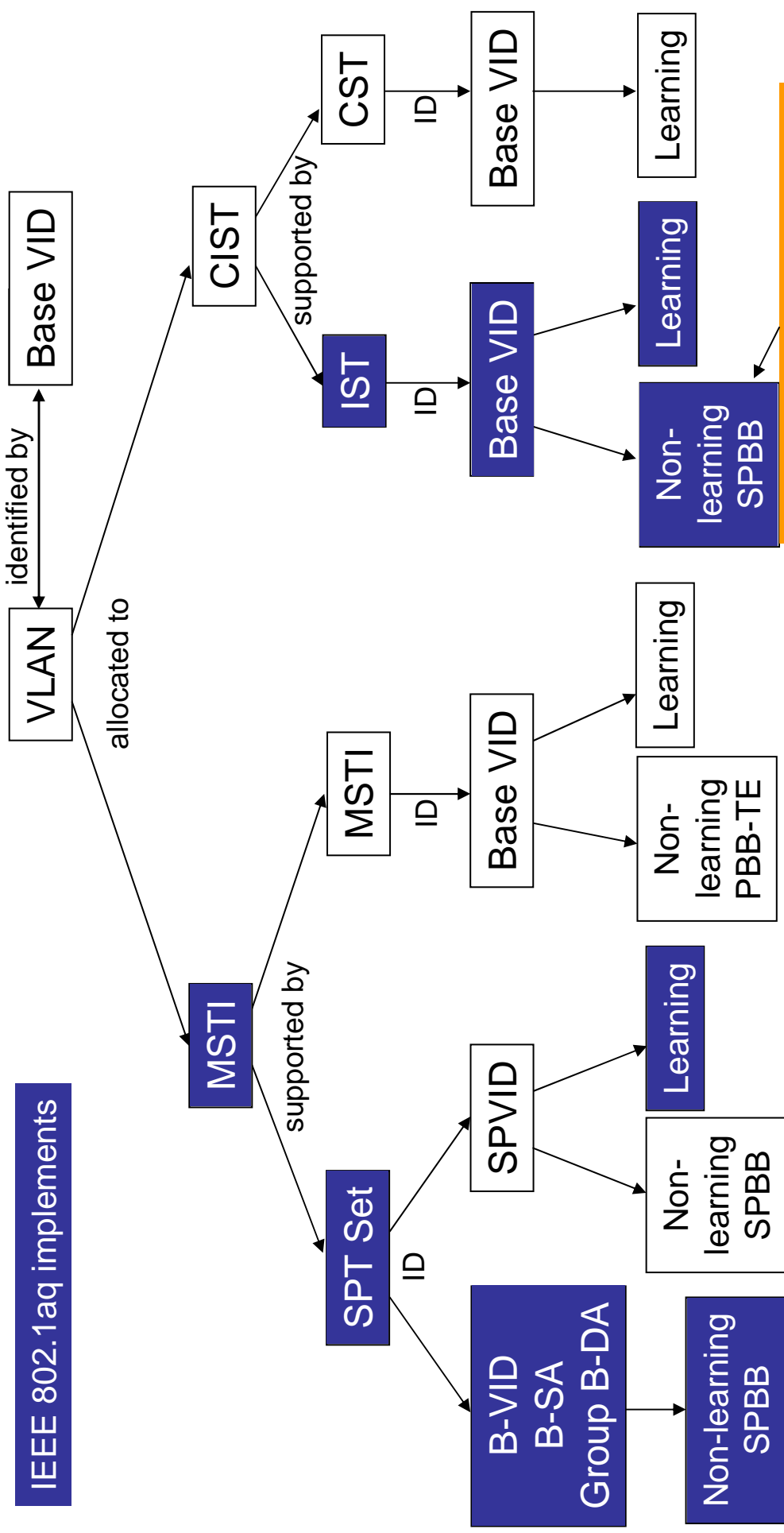
For Discussion

SPB/SPBB VID allocation



Slight differences in how the topologies are dealt with.

VLAN assignment



IEEE 802.1aq implements

Why Do we Need This ?

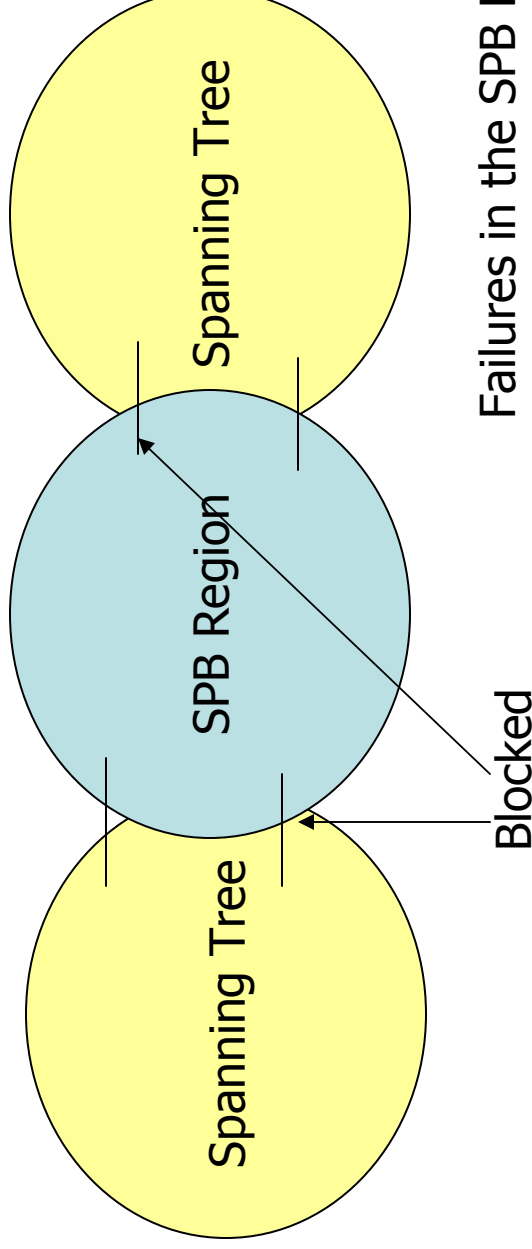
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San Francisco

Why do we need the CST in SPBB?

- Currently IST/CST logic is ties to loop prevention.
 - Suggestions have been made to move this to link state
- CST is useful in multiply homed Spanning tree networks?
 - If we only have singly homed Spanning tree networks the CST logic is redundant
- Is there another reason?

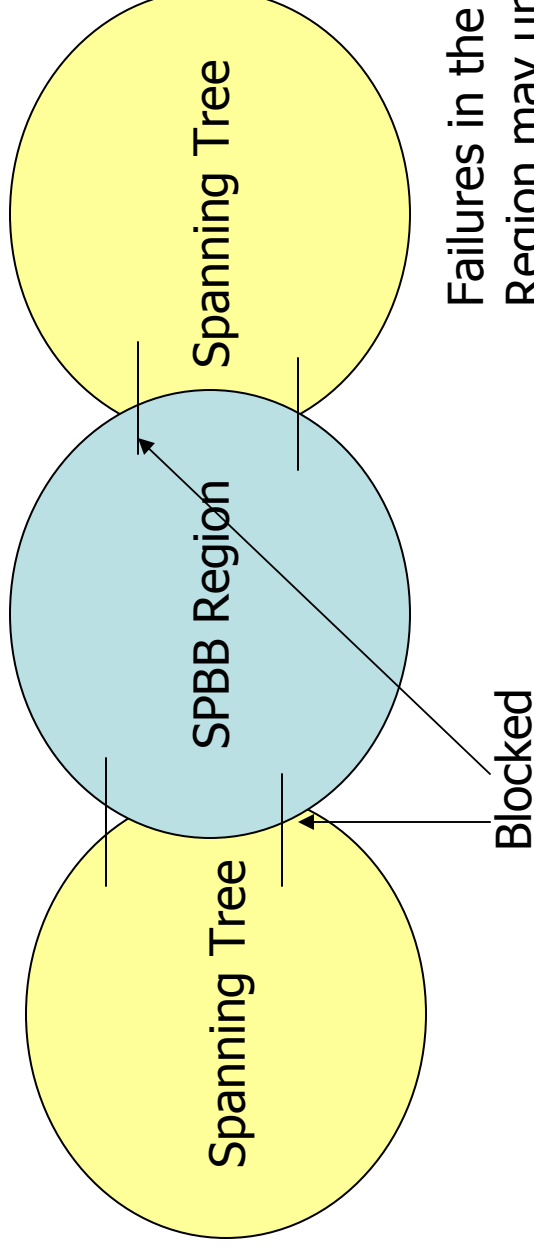
Multiple connection of Spanning Trees and SPB regions is supported

Follows MSTP logic



Failures in the SPB Region may unblock the links if say the regional root disappears. The trees on the edges adapt.

How the CST could work for PBB Networks?



Failures in the SPBB Region may unblock the links if say the regional root changes. The trees on the edges adapt thanks to CST priority vectors.