
Forwarding of unknown-DA SR-Class-priority multicast AVB frames

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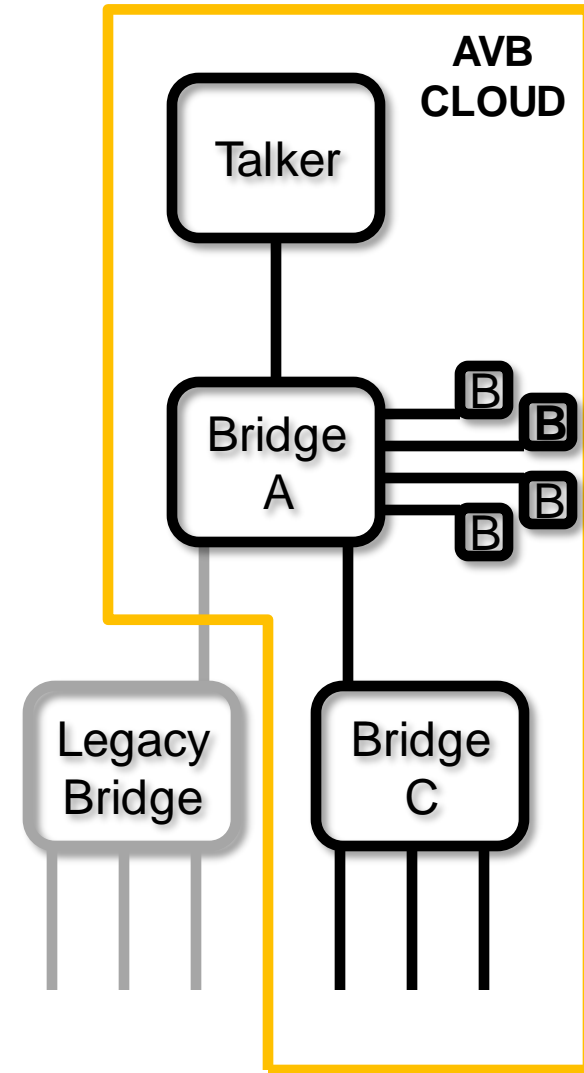
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Abstract

This presentation asks what the appropriate behavior is if a Talker transmits a frame with a multicast address and with an SR-class priority, but no associated reservation is known to the bridge

An example of The Situation

- **Talker is in the cloud**
- **Talker sends ClassA Frames**
 - DA = Multicast
 - UserPriority=SR-ClassA
- **Bridge A doesn't know DA**
- **Assuming that Bridge A FLOODS**
 - Legacy Bridge receives the frame
- **If Idle Slope = 0 on a port**
 - Bridge A sends first frame to the AVB Bridge
- **Else [Idle Slope > 0]**
 - Bridge A interleaves with other AVB streams
 - Disrupting ALL streams in the entire AVB cloud flowing in the same direction



Questions

- **If there is no reservation registered on a port, is the Qav shaper active? With IdleSlope=0?**
 - Was it intended that the first frame would be transmitted
 - What about the other frames enqueued forever waiting for credits to increase back up to zero?
- **Is this condition easily detectable (relative to a Talker that exceeds its reservation)?**
- **Should bridges drop unknown multicast frames that have SR Class priority entering a SR Domain Core Port?**
 - Consensus is “YES”
- **Do we want to do add something to 802.1BA?**
 - No—fix this in Q-Rev