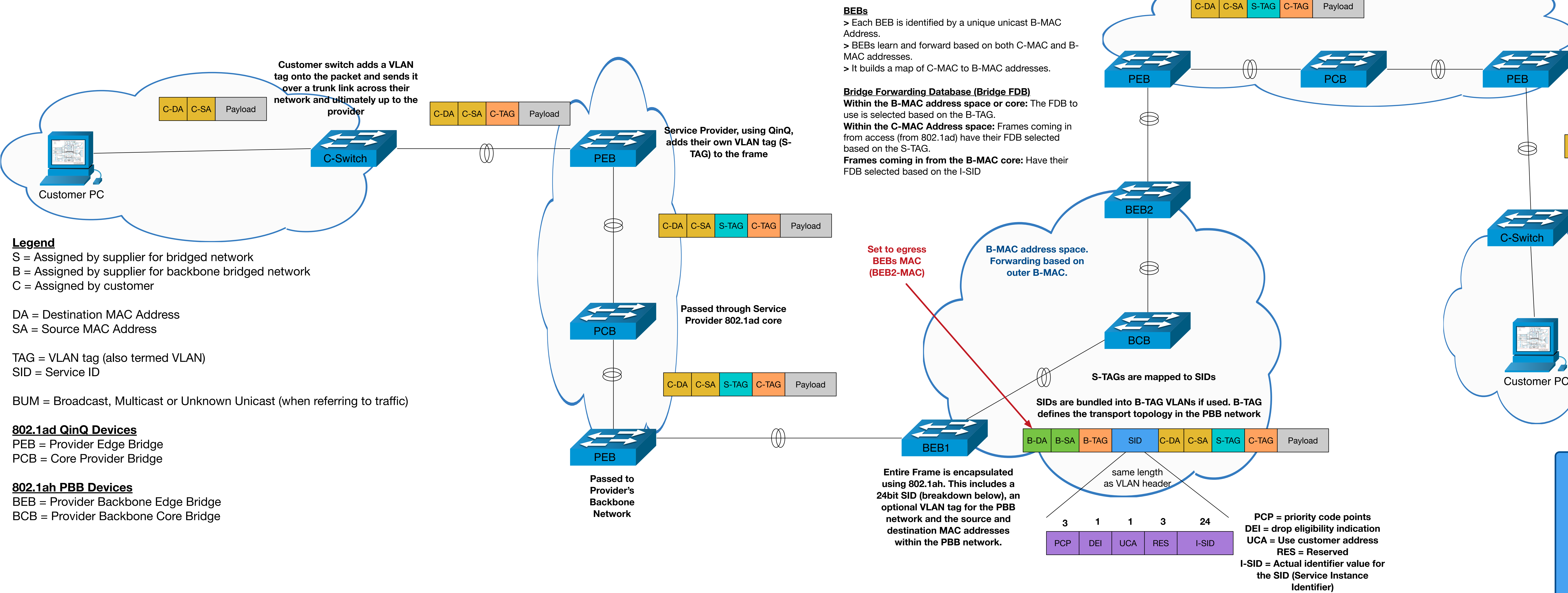


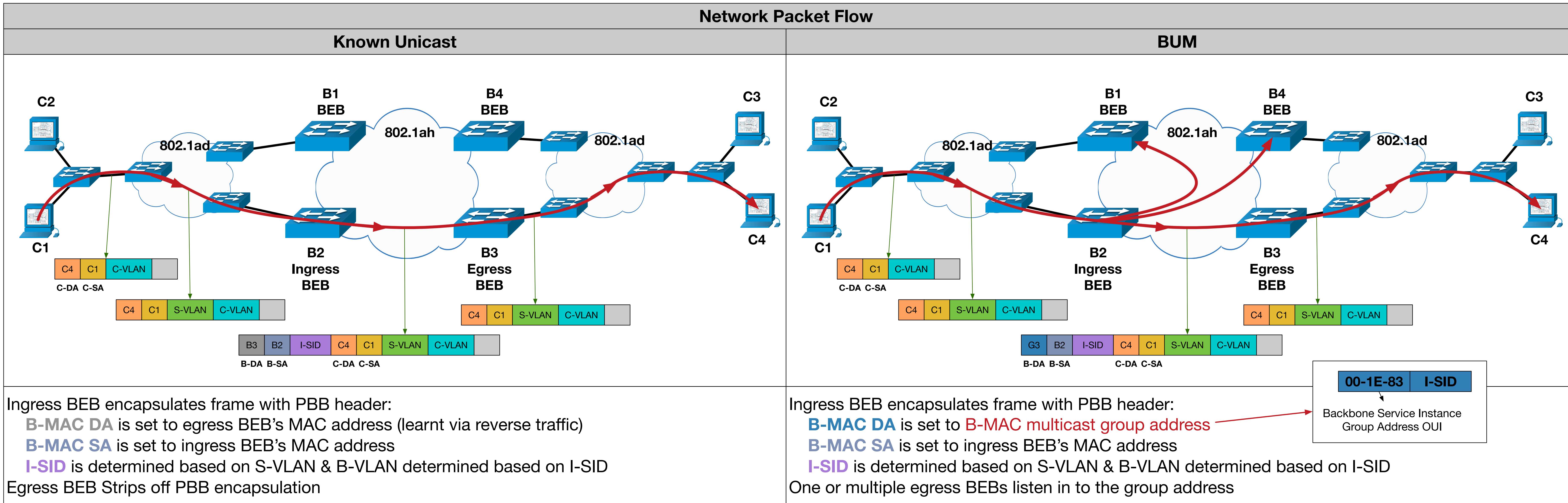


Packet Path through QinQ and PBB Switched Network



Each I-SID will have a multicast group for BUM traffic, so think how this will affect things if many customers map to one I-SID (See BUM Network Packet Flow diagrams below)

Looking at S-TAG Service Interfaces (below) as an example - this depends on how customers are mapped to S-TAGs or SIDs. It could be one customer per S-TAG in the 802.1ad realm. If the provider doesn't want to separate them in the core you could use S-TAG Port Mode. Or give them each their own setup and use S-TAG Mode. Or some customers could use multiple S-TAGs (in which case you might want S-TAG Bundle Mode). Or maybe each customer *does* only have one S-TAG each and you want to give a fixed number of internal topologies rather than one each (also Bundle Mode), similar to mapping VLANs to MSTP instances...



Looking one level deeper just at I-SIDs.
I-TAG = SID + C-DA + C-SA

In this instance there *is no* 802.1ad network. Comes straight from customer VLANs. If it is a one to one mapping you don't need to worry about the VLAN tag but if multiple VLANs map to one SID (either because it is multiple customers or one customer wants different treatment for multiple VLANs) you do need to carry the VLANs.