

802.1Qbg Bridge management Clause 12

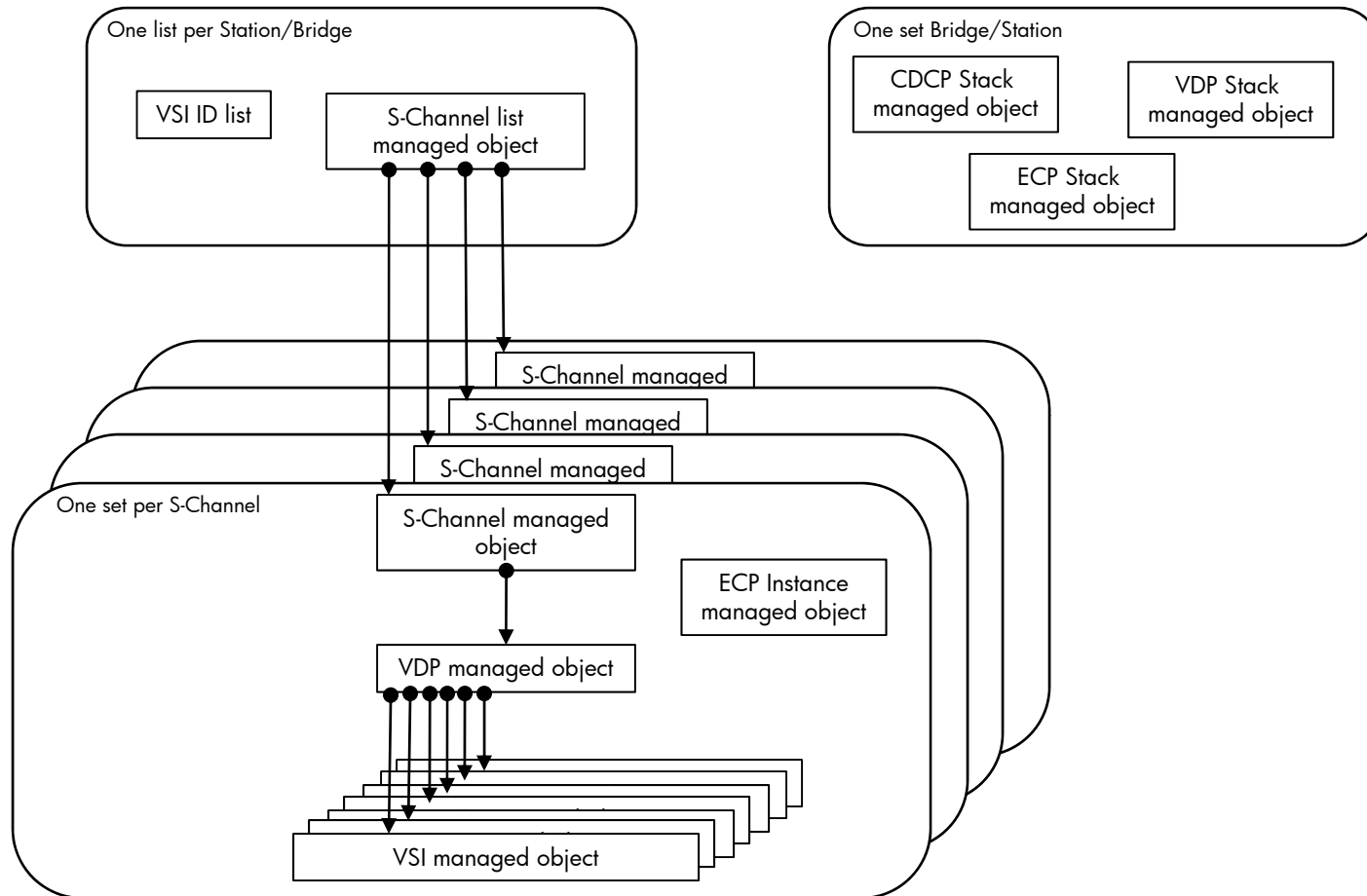
V2

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IEEE 802.1Qbg Management

- Need to complete 802.1Qbg clause 12, 17 and K.10
 - Clause 12 information model objects
 - Clause 17 Bridge SNMP MIB
 - Clause K.10 IEEE 802.1AB SNMP MIB 802.1 TLV extensions
- Clause 12 object extensions required
 - Objects for the VDP state machines
 - Objects for the VSI database
 - Objects for the ECP state machines
 - Objects for the CDCP state machines
 - Objects for the S-Channel state database (if required)

Relationships among EVB objects



- S-Channel managed object includes all EVB, ECP, and DSI state info

802.1Qbg VDP Machine objects

- Subclause 12.23 ? Need a number assigned
- VDP objects: One set per station
 - Station Objects (one set) New annex for station MIB? Let DMTF do station MIB? Bridge MIB in vSwitch?
 - Command response timeout
 - Keep Alive interval
 - Keep Alive response timeout
 - Bridge Objects (one set per station)
 - Resource timeout
 - Keep Alive command timeout
- ECP objects: One set per ECP instance (per S-channel)
 - ackTimer
 - TxFrame Count – Successful – Read Only - 64 bits
 - TxRetry Count – Total – Read Only – 64 bits
 - TxFailures – Total – Read Only – 64 bits
 - RxFrame Count – Successful – Read Only – 64 bits
- CDCP objects: once set per CDCP instance
 - CID table
 - S-channel state
 - S-channel VID
 - Reserve Pool of VIDs

VSI managed object

- Table of all VSIs keyed by VSI-ID (one table for station and for Bridge)
 - VSI-ID (may have multiple instance of VSI-ID active in the DC for motion)
 - Current VDP state
 - S-Channel / Port association
 - Operating Command

BACKUP SLIDES