802.1Qca for Small Networks

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Example Network
IS-IS Hellos (IIH) Exchanged between Neighbors
Station MAC Learnt from MRPDU

- PCE
- Bridge 1
- Bridge 2
- Bridge 3
- Bridge 4
- Bridge 5

MRPDU1
MRPDU2
MRPDU3
MRPDU4
E1
E2
E3
E4

e.g. TA
Or Station MAC Learnt from LLDP
LSPs Flooded

- End Station MAC is conveyed by LSP
- Not all LSPs are shown in the figure
LSDB Built
Static Explicit ECT Algorithm is used (see Table 45-1)
FDB Entries Installed

Diagram:
- PCE
- LSDB
- Bridge 1 (FDB)
- Bridge 2 (FDB)
- Bridge 3 (FDB)
- Bridge 4 (FDB)
- Bridge 5 (FDB)
- E1
- E2
- E3
- E4
MSRP Stream – 1 Talker Advertise
MSRP Stream – 2 Listener Ready (1)
MSRP Stream – 3 ET for Stream

LSP conveying Topology sub-TLV
MSRP Stream – 4 Listener Ready (2)

Diagram showing the relationships between PCE, LSDB, Bridge 1, Bridge 2, Bridge 3, Bridge 4, Bridge 5, E1, E2, E3, and E4 with LR arrows indicating the flow of information.