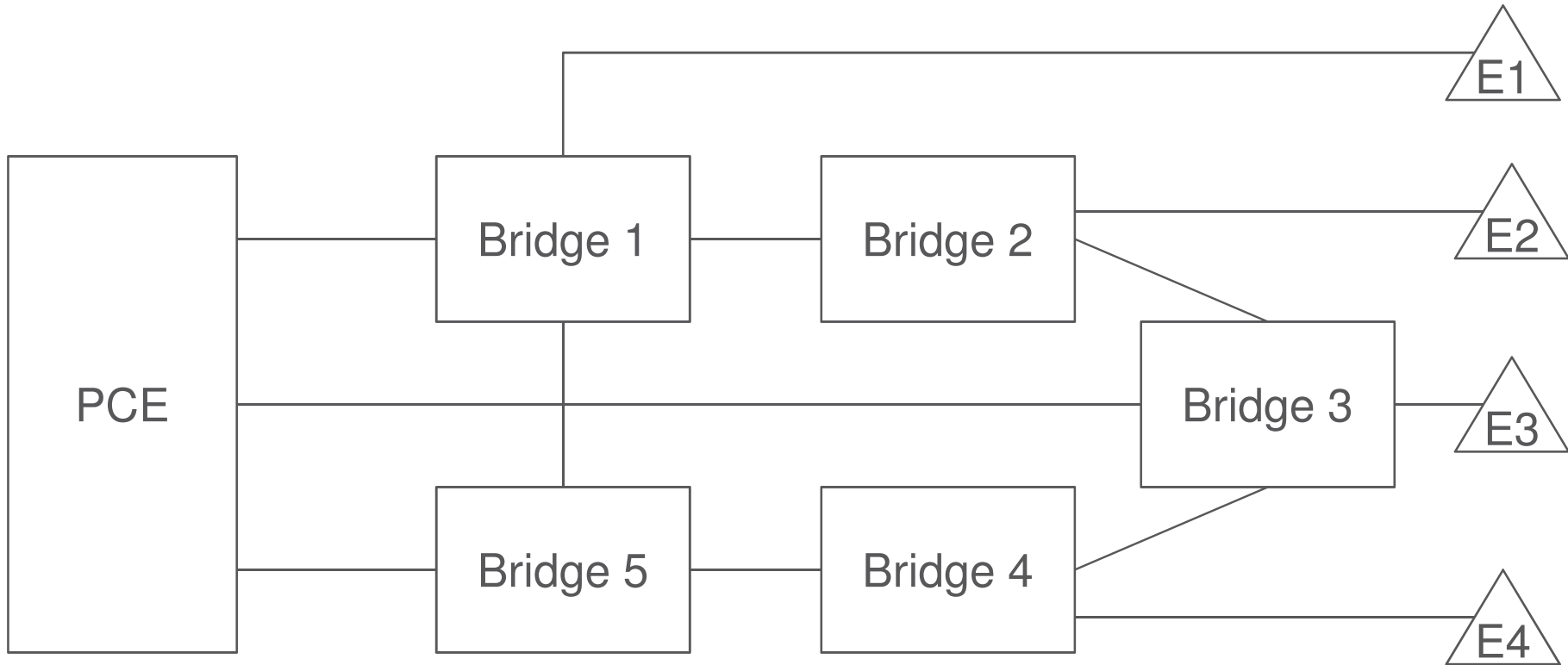# 802.1Qca for Small Networks
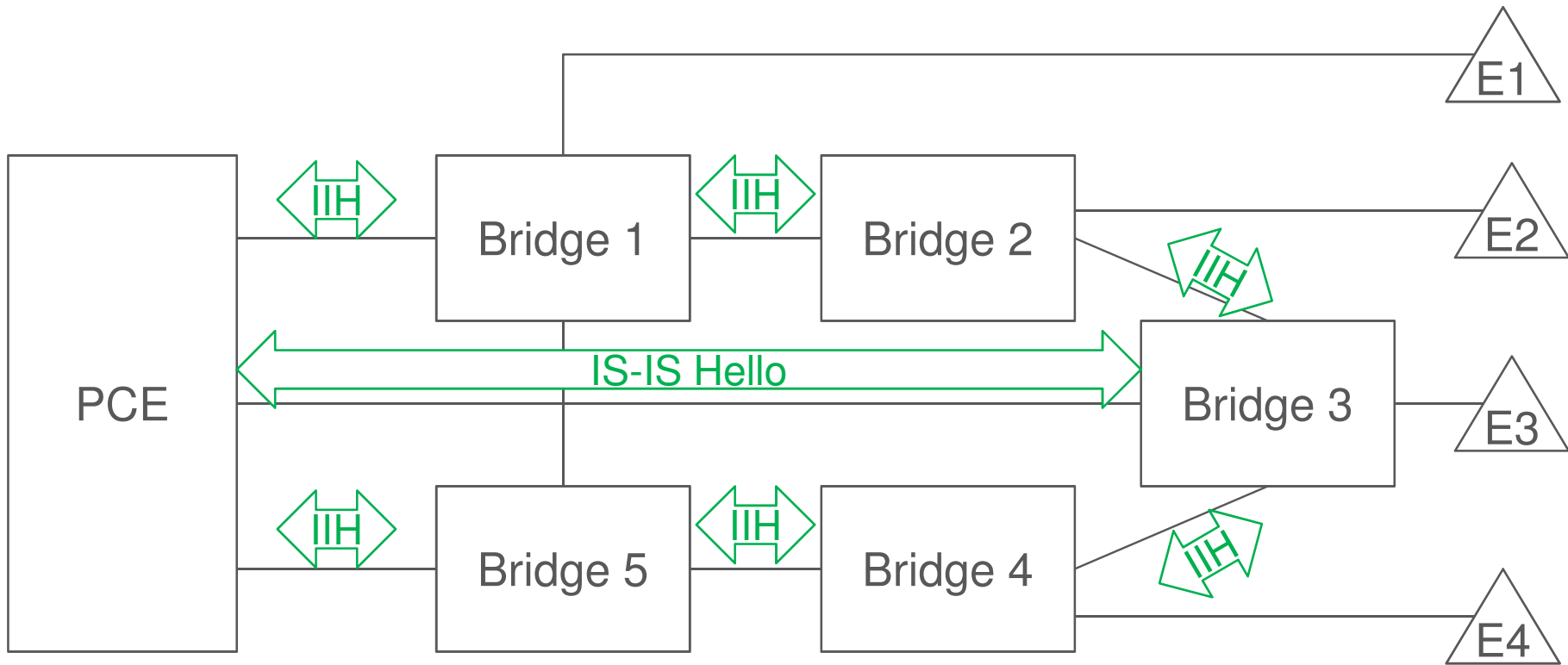
János Farkas
Philippe Klein

May 14, 2014
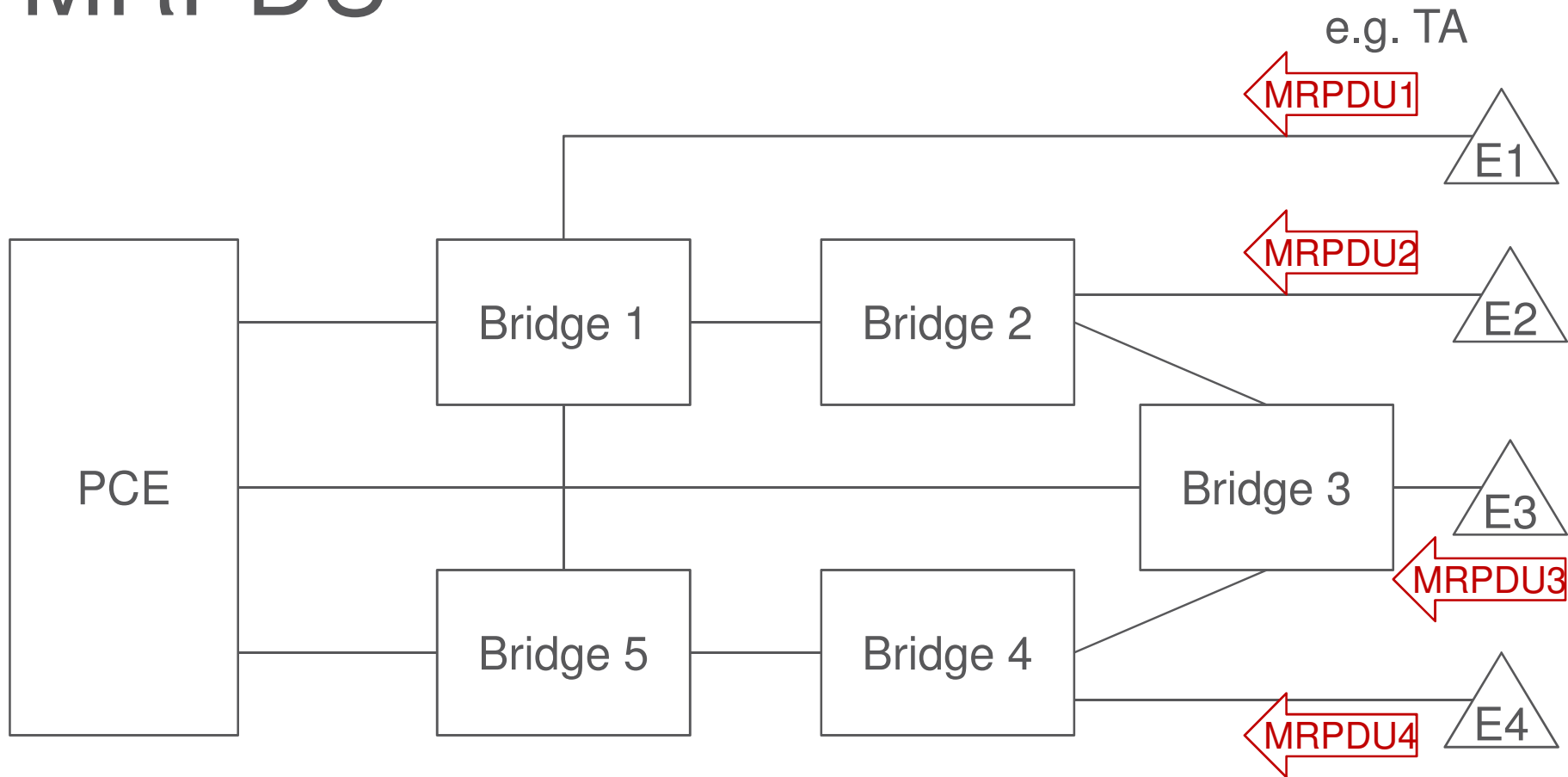
Example Network

IS-IS Hellos (IIH) Exchanged between Neighbors

Station MAC Learnt from MRPDU

e.g. TA

MRPDU1

E1

MRPDU2

E2

Bridge 1

Bridge 2

PCE

Bridge 3

E3

MRPDU3

Bridge 5

Bridge 4
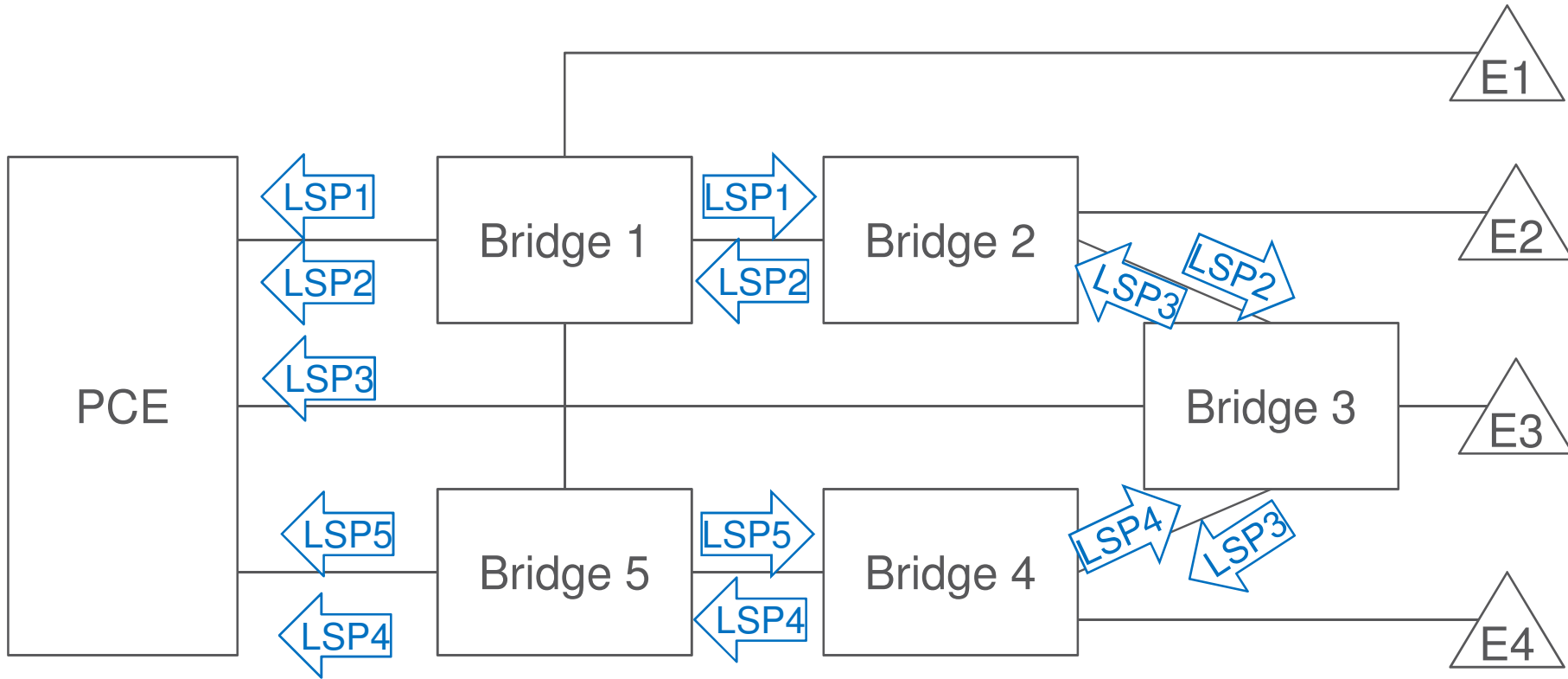
E4

MRPDU4

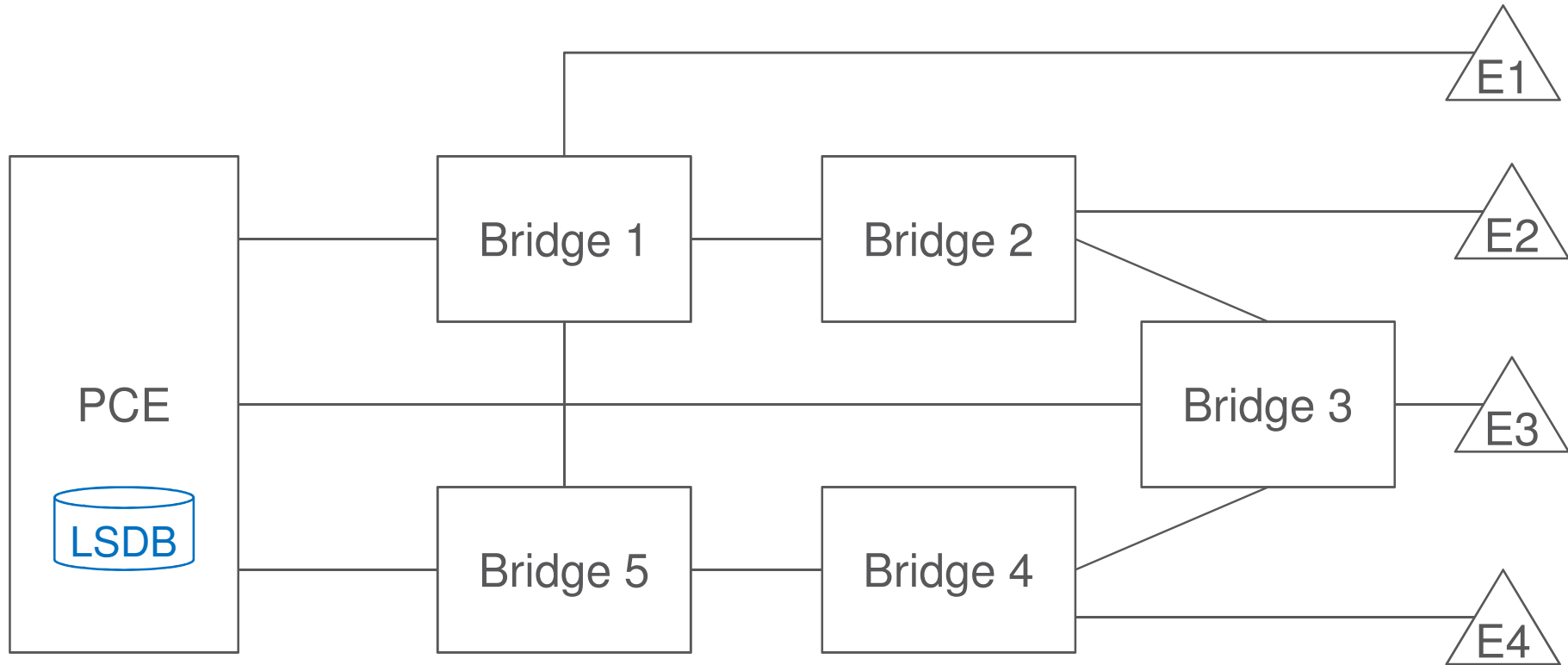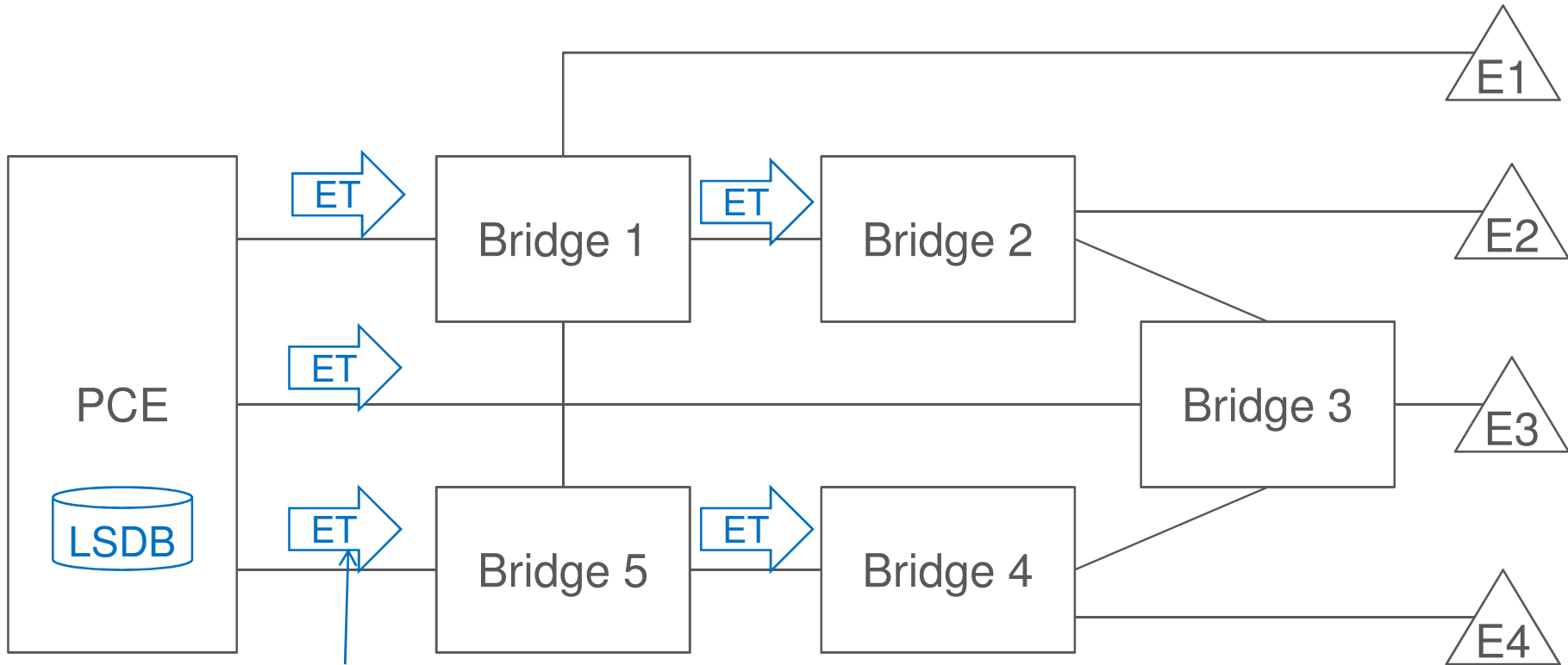# Or Station MAC Learnt from LLDP
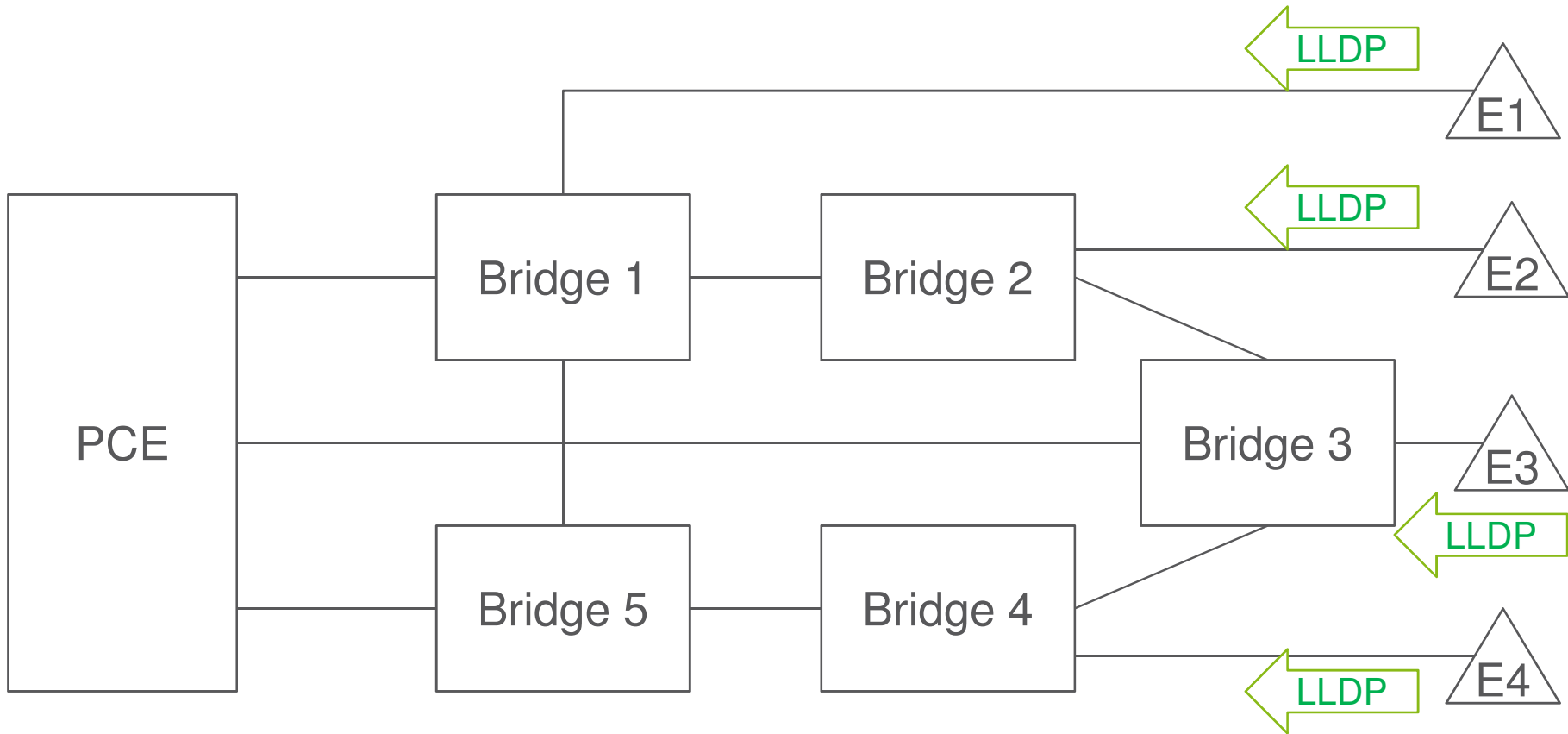
LSPs Flooded

> End Station MAC is conveyed by LSP

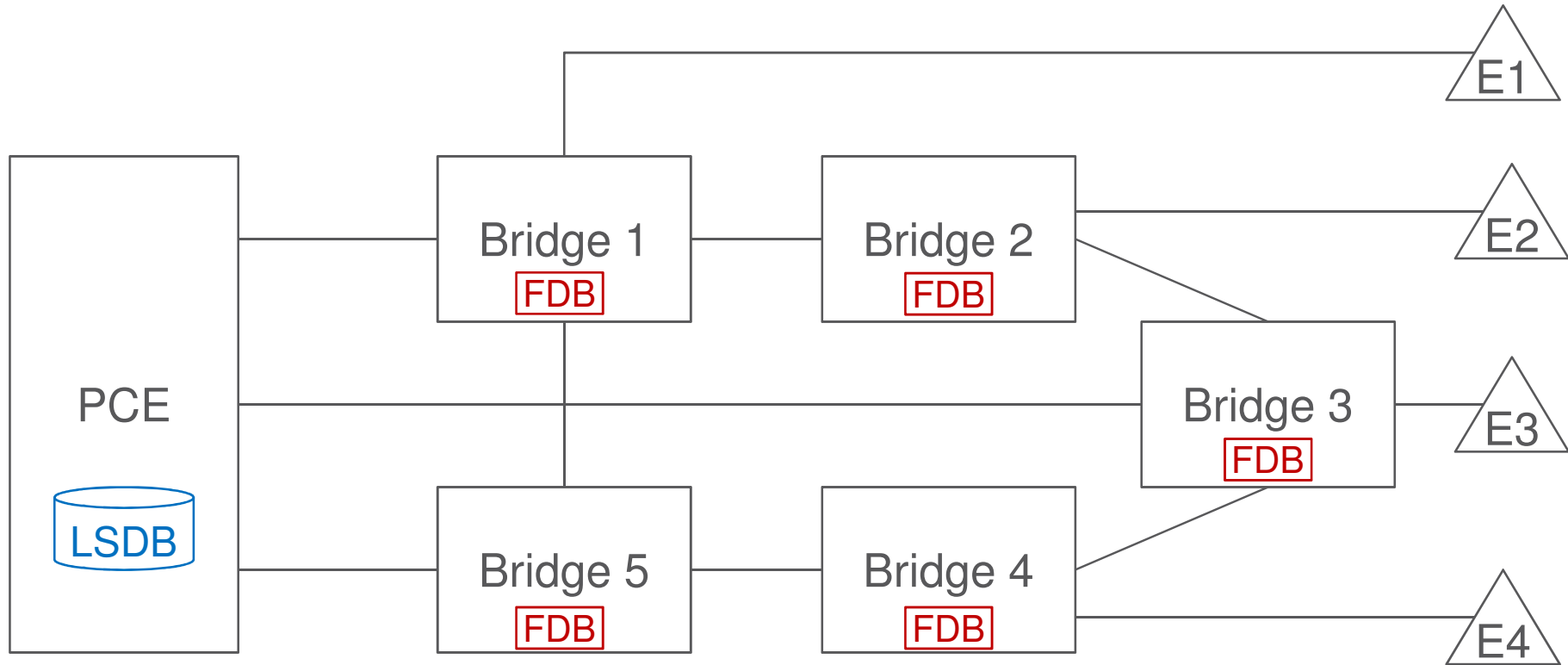> Not all LSPs are shown in the figure

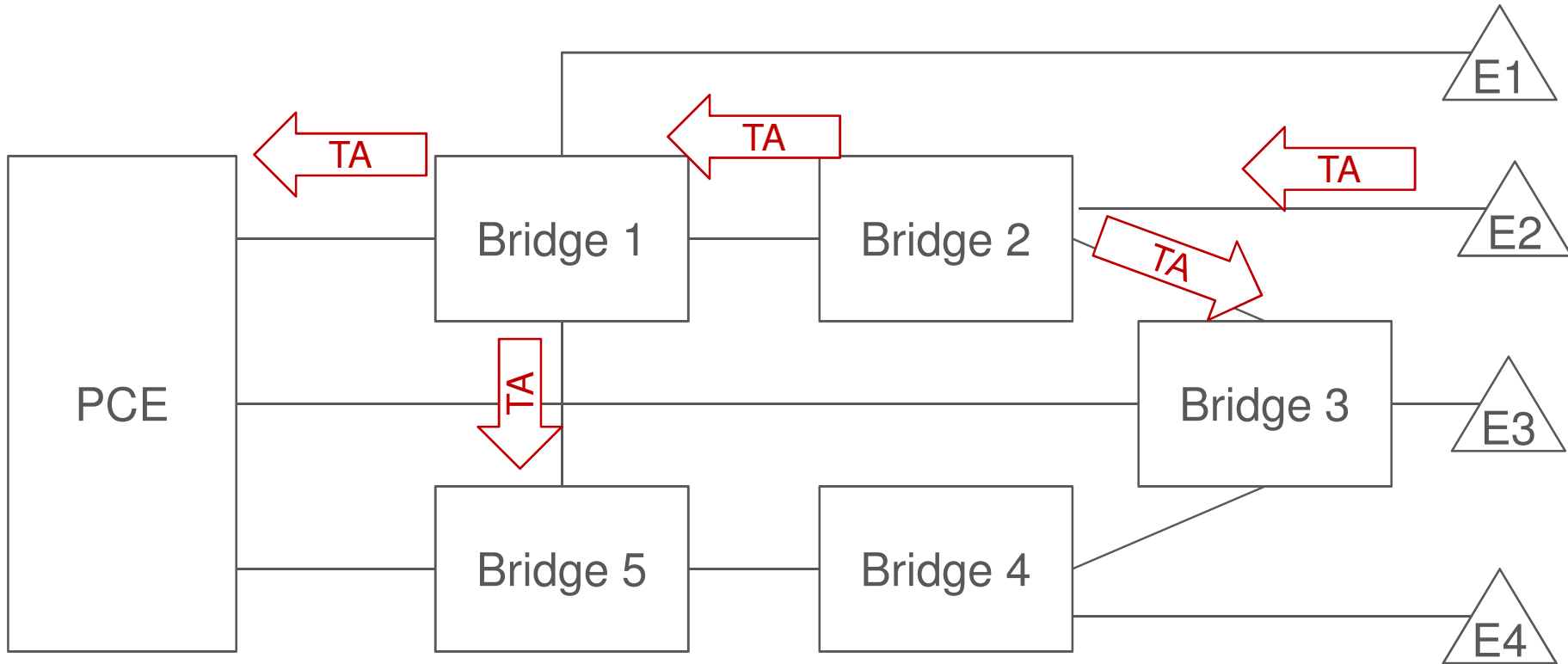# LSDB Built

Explicit Tree Flooded

LSP conveying Topology sub-TLV specified by 802.1Qca

› **Static Explicit ECT Algorithm is used** (see Table 45-1)
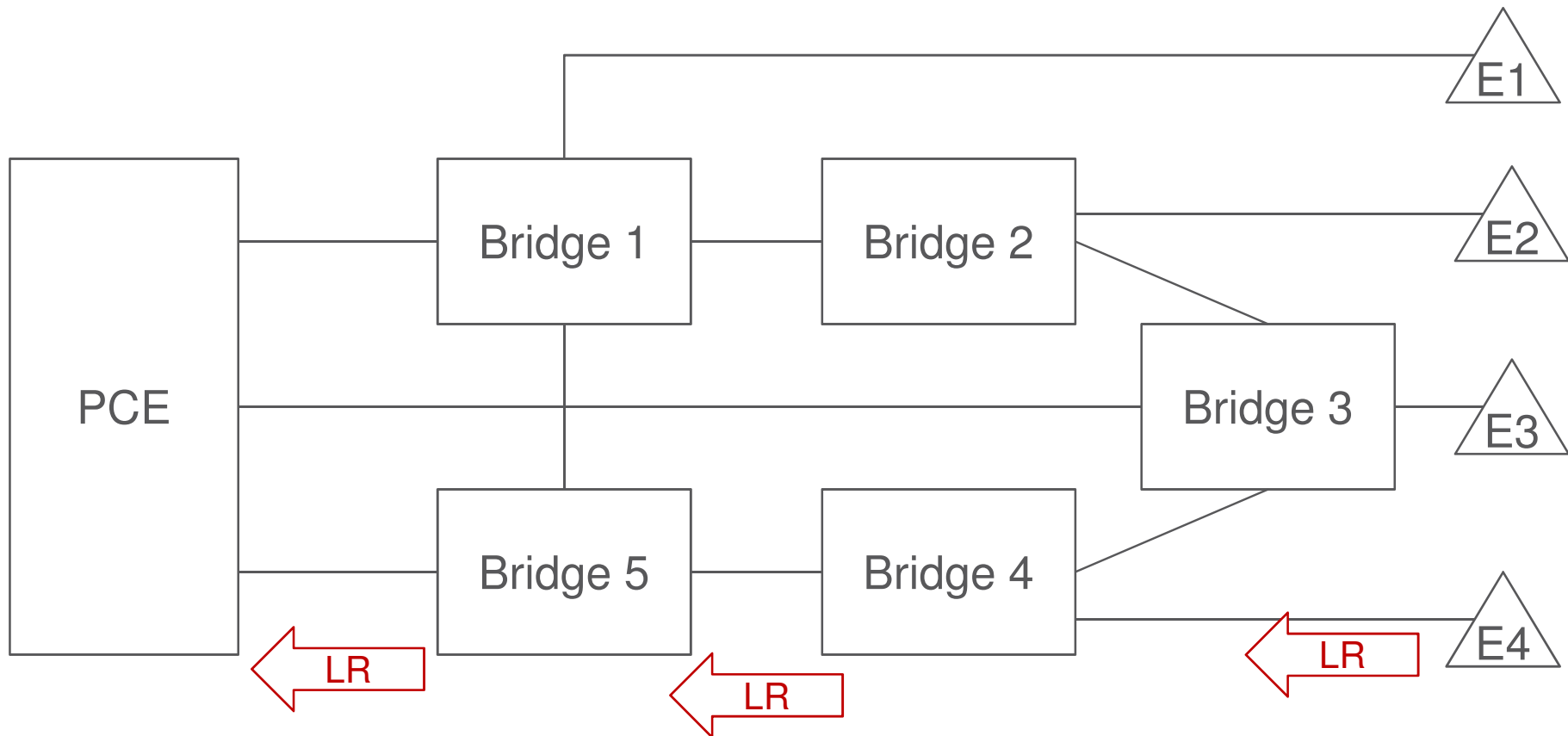
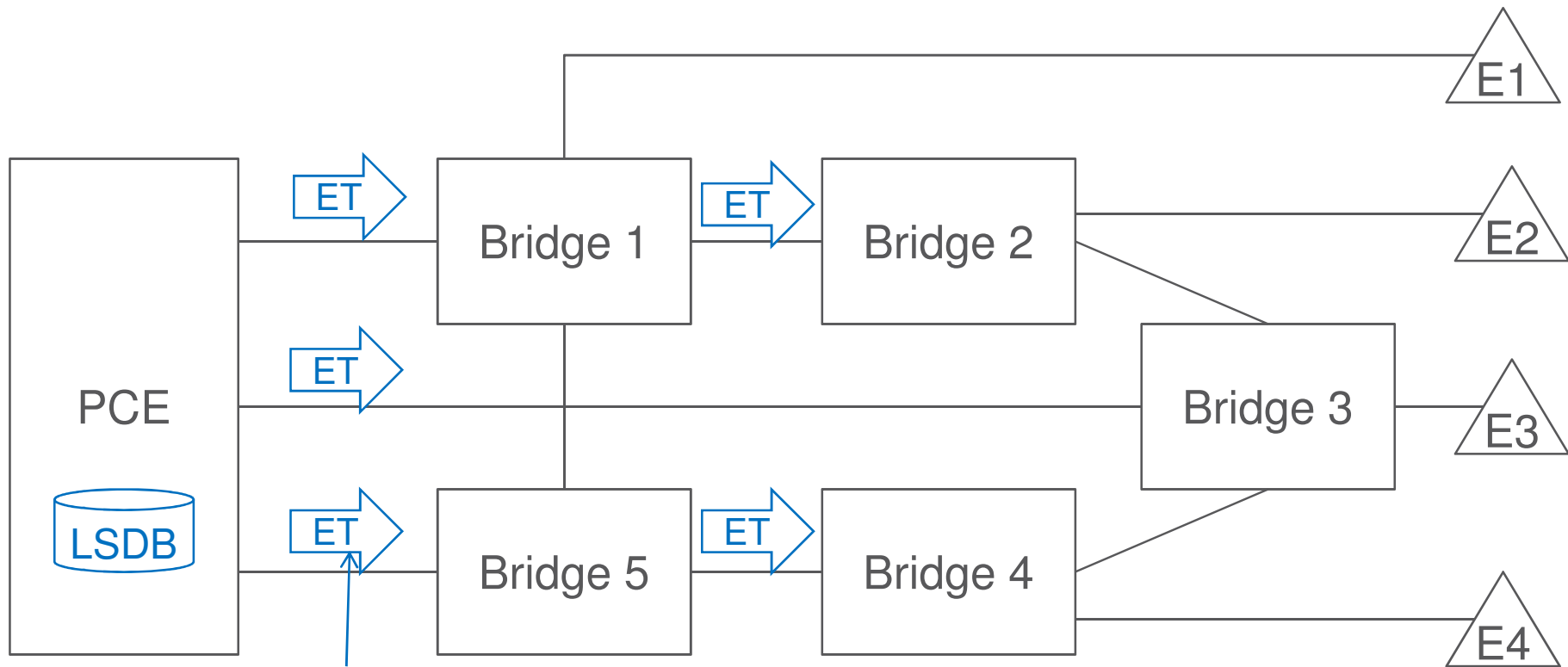# FDB Entries Installed

MSRP Stream – 1
Talker Advertise

MSRP Stream – 2
Listener Ready (1)

MSRP Stream – 3
ET for Stream

LSP conveying Topology sub-TLV specified by 802.1Qca

MSRP Stream – 4 Listener Ready (2)