# EDCP Questions

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# EDCP Questions

### Z.5 Is EDCP a protocol?

#### Z.5.1 Issue

a) There are many references in the document to EDCP, but no definition of what EDCP is. Is EDCP a definable protocol, or is it just a bunch of information made available in LLDP TLVs?

#### Z.5.2 Resolution

a) Needs clarification. If it really is a protocol then it should be defined.

- My understanding is that it was agreed that EDCP is *not* a protocol;
- It is just a TLV Format for existing LLDP

## 41.2 EVB TLV exchanges

Figure 41-1 illustrates an EVB TLV (see K.9) exchange between a station (e.g., a hypervisor) and an EVBCB, accomplished using LLDP. In this example, both the station and the bridge support Reflective Relay, VDP, and a set of VSI resources.

<<Editor's Note: Resolution of comment #57 calls for Paul Bottorff to draft some explanatory text describing the function of the EVB TLV and for Joe Pelissier to draft text to extend EVB TLV to support port extenders.>>

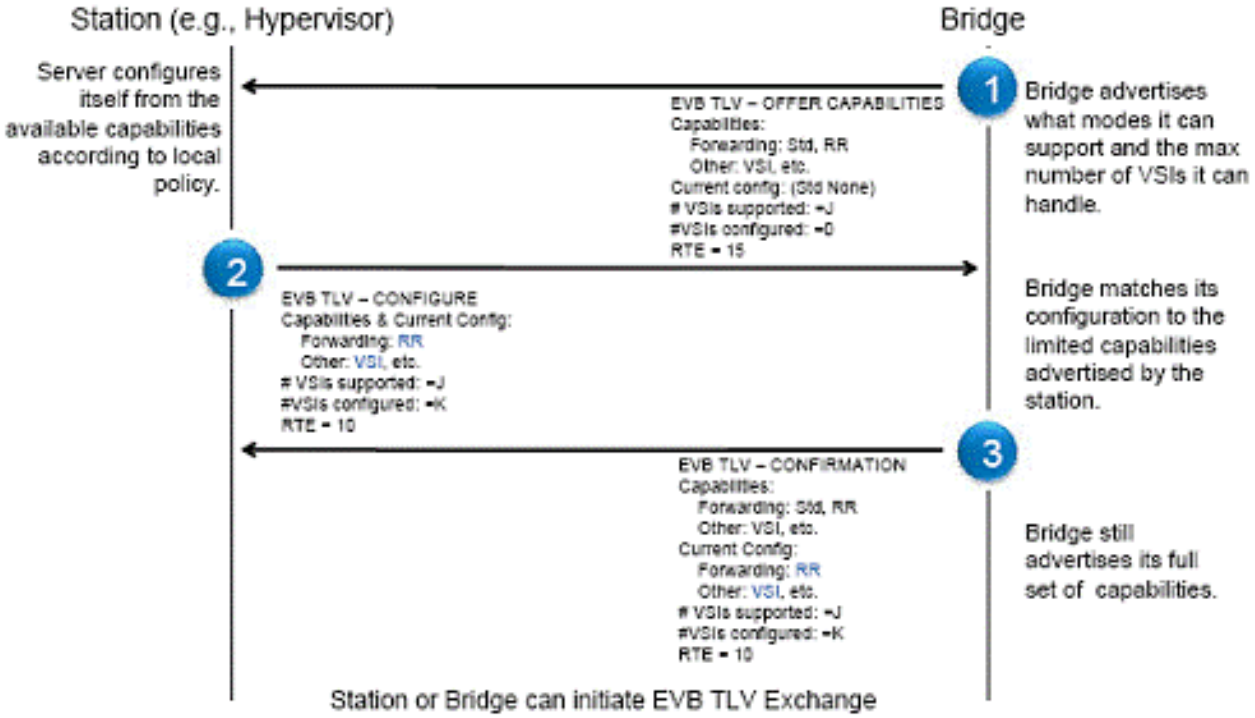


**Figure 41-1—Example EVB TLV exchange**

- In which case, this picture is modified as there is *no* 'offer', 'configure', 'confirmation';
- Just EVB TLVs sent periodically and *independently* in both directions;

- Thus, there is never a ‘negotiation’ between the two sides;
- Each side looks at a received value and its own value and has an algorithm to make a decision solely on that basis;
  - should that algorithm be specified apart from the TLV description

- If either side does not set RR = TRUE, the reflective relay cannot be enabled. The EVB TLV

b) Retransmission Timer Exponent (RTE): Indicates the current RTE value is present

c) Edge Control Protocol (ECP) - Indicates the sender supports ECP
   1) From the station, ECP = TRUE indicates the station supports ECP.
   2) From the EVBCB, ECP = TRUE indicates the bridge supports ECP.
   3) If the station and the EVBCB set ECP = TRUE, then ECP can be enabled. The EVB TLV Current Configuration ECP bit is set to TRUE.

d) If either side does not set ECP = TRUE, then ECP cannot be enabled. The EVB TLV Current Configuration ECP bit is set to FALSE.

e) VSI Discovery Protocol (VDP) - Indicates the sender supports VDP. VDP is dependent upon ECP being enabled.
   1) From the station, VDP = TRUE indicates the station supports VDP.
   2) From the EVBCB, VDP = TRUE indicates the bridge supports VDP.
   3) If the station and the EVBCB set VDP = TRUE and ECP == TRUE, then VDP can be enabled. The EVB TLV Current Configuration VDP bit is set to TRUE.
   4) If either side sets VDP = FALSE or ECP == FALSE, then VDP cannot be enabled. The EVB TLV Current Configuration VDP bit is set to FALSE.