

Proposed text for Comment 152 (Layer-2 Fallback Power TLV)

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33.7.9 DTE Power via MDI fallback power TLV

The DTE Power via MDI fallback power TLV is an optional TLV that allows the PD to advertise a preferred fallback PD power value to the PSE. The fallback PD power value is a PD power value that is lower than the actual PD power value. It is a power value at which the PD advertises that it could maintain limited functionality. The PSE could optionally use this information in the event that the PSE subsequently requests a lower PD power value than the actual PD power value.

Figure 33-30 shows the format of the fallback power TLV.

TLV type =127	TLV information string length = 6	802.3 OUI 00-12-0F	802.3 subtype = 6	Fallback PD power value
7 bits	9 bits	3 octets	1 octet	2 octets

Figure 33-30 – DTE Power via MDI fallback power TLV

33.7.9.1 Fallback PD power value

The fallback PD power value field shall contain the fallback PD power value defined in Table 33-23.

The PD power value is encoded according to formula 33-16.