Recommended Type 1 and Type 2 TLV Usage

Figure 79–3—Power Via MDI TLV format
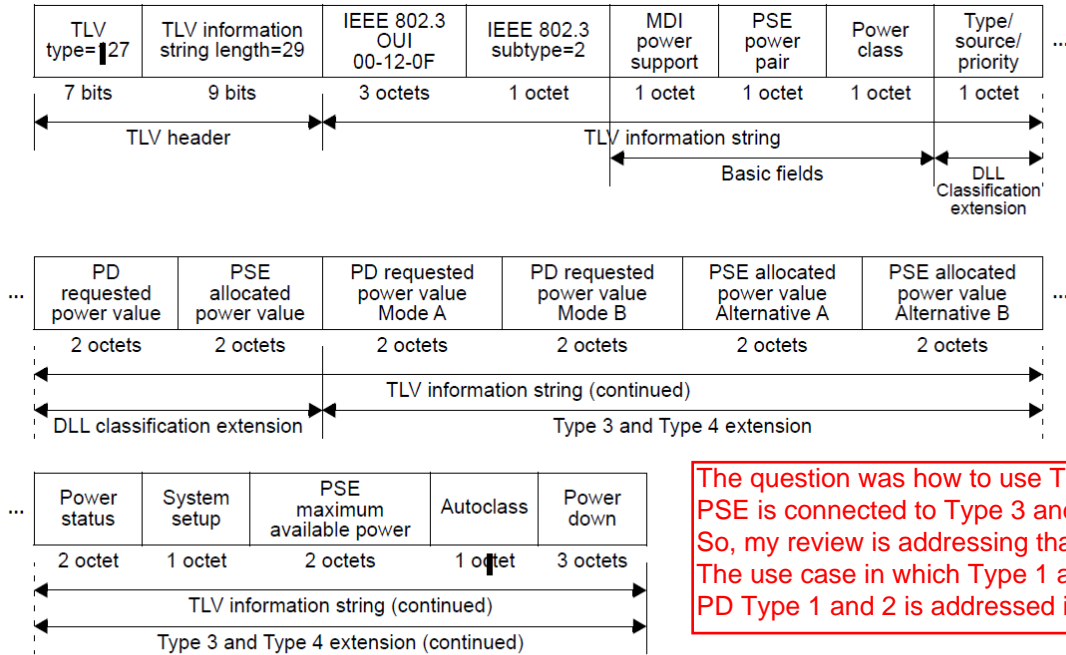
The question was how to use TLVs when Type 1 or 2 PSE is connected to Type 3 and 4 dual-signature PD. So, my review is addressing that use case.
The use case in which Type 1 and 2 is connected to PD Type 1 and 2 is addressed in clause 33.

Table 1: Recommended Type 1 / Type 2 TLV Usage

Octet(s)	Field	Type 1/Type 2 Treatment
Power Status	PSE powers pairsx	Set to either Alternative A or B.
	Dual-signature power Classx Mode A	Define 000 as Type 1 / Type 2 PD
	Dual-signature power Classx Mode B	Define 000 as Type 1 / Type 2 PD
	Power Classx	Define 0000 as Type 1 / Type 2 PD
System setup	Power typex	No change (usage is allowed)
	PD 4PID	No change (usage is allowed)
	PD Load	Set to 0
PSE maximum available power	PSE maximum available power	No change (limited elsewhere to 25.5W)
Autoclass	PSE Autoclass support	No autoclass SM defined in Clause 33. Set to 0
	Autoclass completed	Set to 0
	Autoclass request	Set to 0
Power down	Power down	No change (usage is allowed)

Note: All Measurement TLVs are available to Type 1 and Type 2 PSEs/PDs.

If the use case is Type 1 and 2 PSE is connected to dual-signature PD then If the device generating the TLV is a PD Type 3 or 4 then you must use it per the table. See 79.3.2.6.c. I belive these should stay unchanged as well.

The PD is dual-sig PD and it is Type 3 or 4 PD so the PD knows if this field need to be set to 1 (isolated loads) or 0 (not isolated loads). Not clear what you are trying to block by proposing this option. I believe it should be unchanged as well.

The question was about new TLV fields used by the PSE Type 1 and 2 when connected to dual-signature PD. It is not clear why you have addressed PD TLV fields while the question was about PSE related TLV fields?

Type 3 and 4 dual-signature PD can't be Type 1 and Type 2 PD when connected to Type 1 and 2 PSE. They are still Type 3 and