



AHEAD OF WHAT'S POSSIBLE™

Proposed Remedies Comments 40 and 41

GITESH BHAGWAT, HEATH STEWART

ANALOG DEVICES



Number of Occupants: 3-4
Occupancy Level: 12%



70°F
21°C

CO ₂	VOC
540	0.6
PPM	PPM

Add 45.2.9.3 PoDL PSE Status 3 Register and 45.2.9.4 PoDL PSE Status 4 Register

- In response to comment 40 and 41 : to accommodate 12 bits for PD Assigned Power, add PSE Status 3 Register (13.3)
 - The lowest 12 bits (13.3.11:0) are used for PD Assigned Power
 - The highest 4 bits are reserved
 - The PSE Status 2 Register now does not contain PD Assigned Power and is modified accordingly
- Add a Clause 45 register, PSE Status Register 4, for PD Requested Power
 - The lowest 12 bits (13.4.11:0) are used for PD requested power
 - The highest 4 bits are reserved

Modify Table 145-211p – Power Unit MMD Registers

► Modify Table 145-211p

Register address	Register name	Subclause
13.0	PoDL PSE Control	45.2.7b.1
13.1	PoDL PSE Status 1	45.2.7b.2
13.2	PoDL PSE Status 2	45.2.7b.3
13.3	PoDL PSE Status 3	45.2.7b.4
13.4	PoDL PSE Status 4	45.2.7b.5

Add 45.2.9.4 PoDL PSE Status 3 Register (Register 13.3)

Add Table 45-342 PoDL PSE Status 3 Register as shown below and modify :

Bit(s)	Name	Description	R/W
13.3.15:12	Reserved	Value always zero	RO
13.3.11:0	PD Assigned Power	PD Assigned Power, 0.0249 W per LSB	RO

Add “45.2.9.4 PoDL PSE Status 3 Register (Register 13.3)”

The PoDL PSE Status 3 Register is defined if cable resistance measurement is supported.”

Add “45.2.9.4.1 PD Assigned Power (13.3.11:0)”

The PD Assigned Power is the maximum average available power at the PD PI.”

Add 45.2.9.5 PoDL PSE Status 4 Register (Register 13.4)

Add Table 45-343 PoDL PSE Status 4 Register as shown below and modify :

Bit(s)	Name	Description	R/W
13.4.15:12	Reserved	Value always zero	RO
13.4.11:0	PD Requested Power	PD Requested Power, 0.0249 W per LSB	RO

Add “45.2.9.5 PoDL PSE Status 4 Register (Register 13.4)”

The PoDL PSE Status 4 Register is defined if cable resistance measurement is supported.”

Add “45.2.9.5.1 PD Requested Power (13.4.11:0)”

The PD Requested Power is the requested average available power at the PD PI”

Thank You!

QUESTIONS? FEEDBACK?