Motion

- Adopt MPS baseline text as proposed in gardner_3bu_3_0315 (2 slides of baseline text).

  Y: 16

  N: 0

  A: 9

PSE MPS Baseline Text

A PSE shall consider MPS to be present if I_{Port} averaged over a sliding window T_{MPS} wide is greater than or equal to I_{Hold} max.

A PSE may consider the MPS to be either present or absent if I_{Port} averaged over a sliding window T_{MPS} wide is in the range of I_{Hold}.

A PSE shall consider MPS to be absent if I_{Port} averaged over a sliding window T_{MPS} wide is less than or equal to I_{Hold} min. Power shall be removed from the PI when the MPS has been absent for a duration greater than T_{MPDO}.

Parameter	Symbol	Unit	Min	Max
MPS dropout time limit	T_{MPDO}	s	0.3	0.4
MPS sliding window time limit	T_{MPS}	s	0.090	0.110
Averaged MPS current	I_{Hold}	µA	20	30

PD MPS Baseline Text

In order to maintain power, the PD shall provide a valid Maintain Power Signature (MPS) at the PI. The MPS shall draw current averaged over a sliding window T_{MPS} wide equal to or above $I_{Hold(max)}+I_{margin(TBD)}$.

A PD that does not maintain the MPS may have its power removed within the limits of T_{MPDO} as specified in Table 104–TBD.

PDs in the powered state that no longer require power shall remove the current draw of the MPS.