

HUAWEI ENTERPRISE **A BETTER WAY**

Types for bt Standard

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Motivation

To achieve consensus on Types in bt standard and use the terminologies in future discussions.

System Configuration 1: PD and PSE types for bt

Power Received (@ PD PI)	Max Power Sourced (@ PSE PI)	Number of pairs used for power delivery ^{Note}	PD Type	PSE Type	Current on PD and PSE PI (A)	PSE supports new MPS ?
≤ 13W	15W	2P	1	1	0.35	No
≤ 25.5W	30W	2P	2	2	0.6	No
≤ 13W	15W	4P	1	3	0.35	Yes
≤ 25.5W	30W	4P	2	3	0.6	Yes
≤ 40W ^{TBD}	45W	4P	3	3	0.9 ^{TBD}	Yes
≤ 51W ^{TBD}	60W	4P	3	3	1.2 ^{TBD}	Yes
≤ 100W ^{TBD}	100W	4P	4	4	TBD	Yes

- **PD** Types are categorized by **power levels**.
- **PSE** Types are categorized by **power levels and number of pairs** used to deliver power simultaneously.

Note: PDs can accept power over 4 pairs or 2 pairs if not cause any problem.

System Configuration 2: PD and PSE types for bt

Power Received (@ PD PI)	Max Power Sourced (@ PSE PI)	Number of pairs used for power delivery ^{Note}	PD Type	PSE Type	Current on PD and PSE PI (A)	PSE supports new MPS ?
≤ 13W	15W	2P	1	1	0.35	No
≤ 25.5W	30W	2P	2	2	0.6	No
≤ 13W	15W	4P	1, 3	3	0.35	Yes
≤ 25.5W	30W	4P	2, 3	3	0.6	Yes
≤ 40W ^{TBD}	45W	4P	3	3	0.9 ^{TBD}	Yes
≤ 51W ^{TBD}	60W	4P	3	3	1.2 ^{TBD}	Yes
≤ 100W ^{TBD}	100W	4P	4	4	TBD	Yes

- **PD and PSE Types** are categorized by **power levels and number of pairs** used to deliver power simultaneously.
- **New Types for 4P PDs and 4P PSEs.**

Note: PDs can accept power over 4 pairs or 2 pairs if not cause any problem.

Thank you!