

HUAWEI ENTERPRISE **A BETTER WAY**

# Types for bt Standard

Yan Zhuang, Huawei Technologies

Rui Hua, Huawei Technologies

**enterprise.huawei.com**

HUAWEI TECHNOLOGIES CO., LTD.



# 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 <sup>Note</sup>	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 <sup>TBD</sup>	45W	4P	3	3	0.9 <sup>TBD</sup>	Yes
≤ 51W <sup>TBD</sup>	60W	4P	3	3	1.2 <sup>TBD</sup>	Yes
≤ 100W <sup>TBD</sup>	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 <sup>Note</sup>	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 <sup>TBD</sup>	45W	4P	3	3	0.9 <sup>TBD</sup>	Yes
≤ 51W <sup>TBD</sup>	60W	4P	3	3	1.2 <sup>TBD</sup>	Yes
≤ 100W <sup>TBD</sup>	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!