



802 Next Gen Coordination/Brainstorm Workshop Vertical Applications TAG

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802.24 Vertical Applications TAG

Smart Grid TAG

TG24.1 Smart Grid Task Group
TG24.2 IoT Task Group

Vertical Applications TAG

- ▶ *“A vertical market is a market in which vendors offer goods and services specific to an industry, trade, profession, or other group of customers with specialized needs.*
- ▶ *A horizontal market is a market in which a product or service meets a need of a wide range of buyers across different sectors of an economy”.* ---Wikipedia
- ▶ Related to IEEE 802 Local and Metropolitan Area networking standards – Connectivity for Verticals

Horizontal

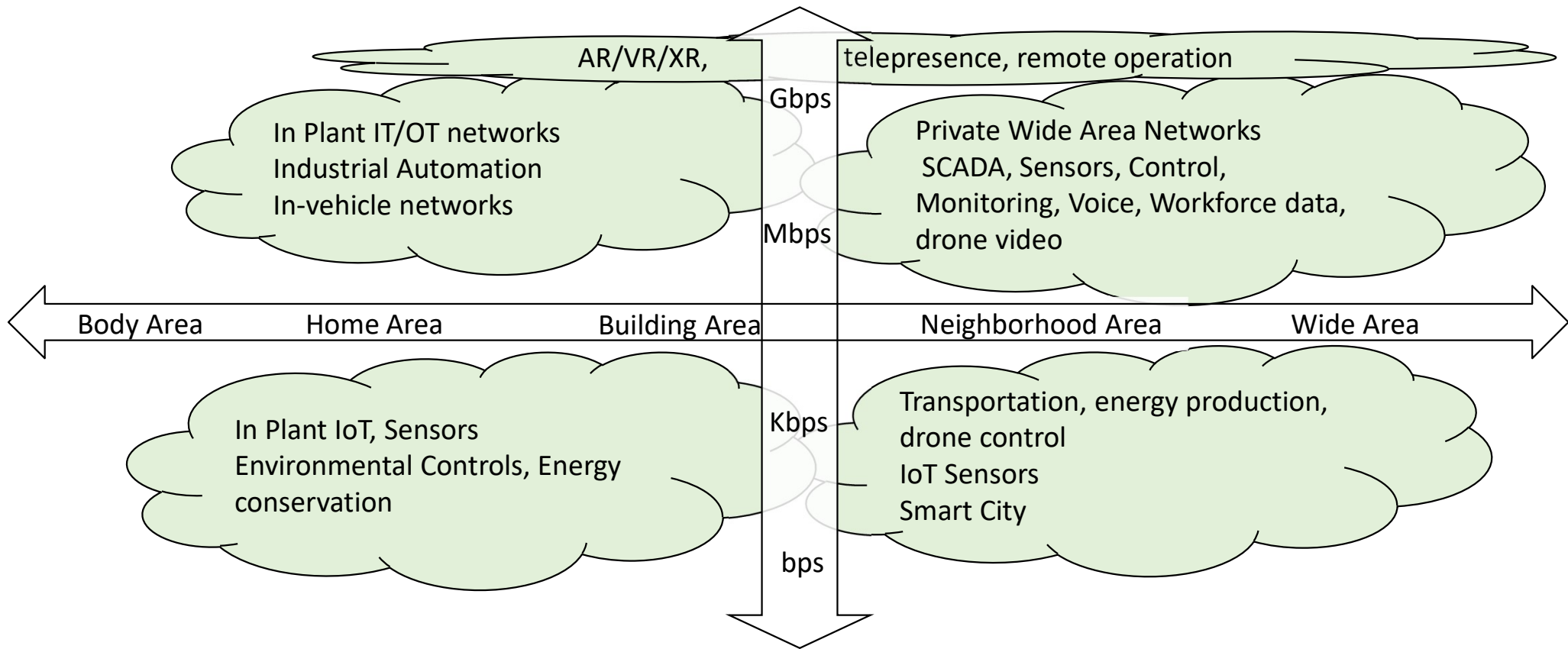
Vertical

Home networks
Enterprise networks
Internet Service Providers

Smart City
Private Field Area Networks
Private Fiber Networks

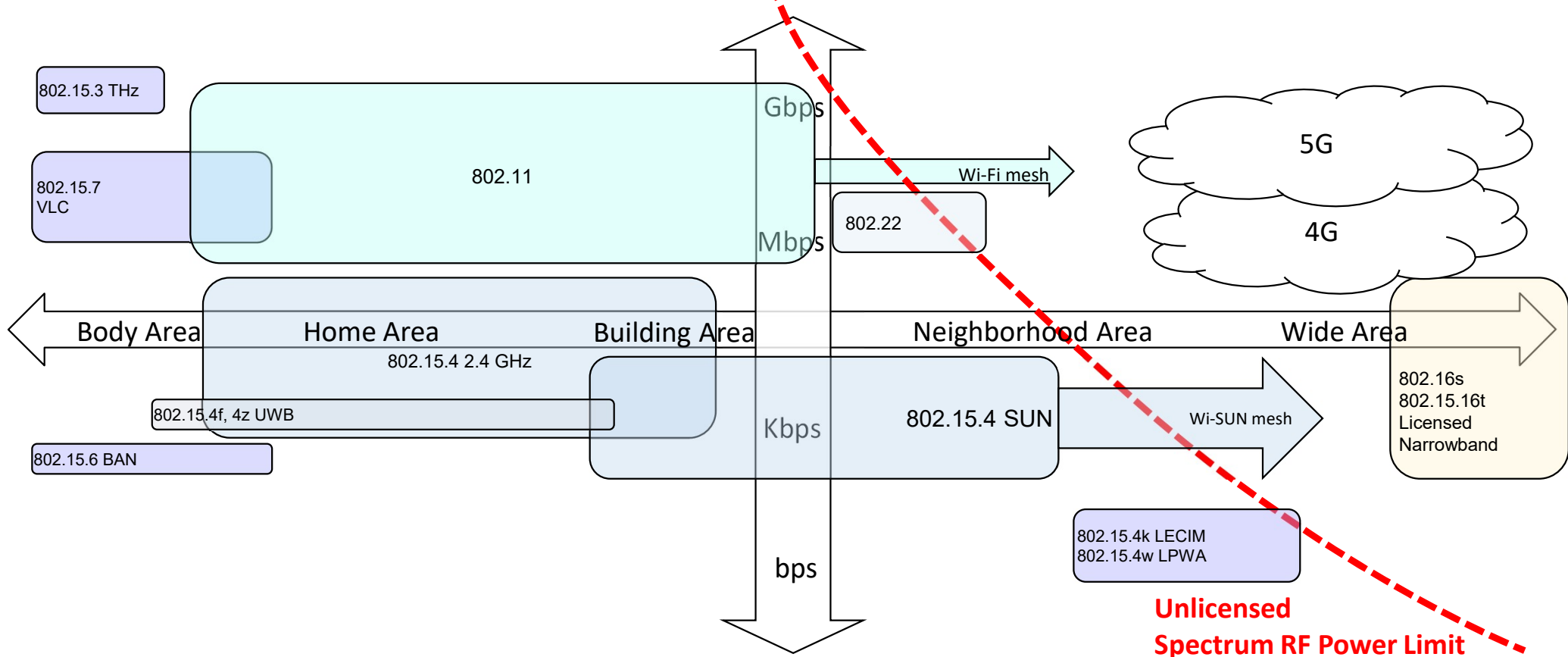
SCADA (water, gas, electric)
Factory Automation
Smart Metering
Rail – positive train control
Distributed Energy Resources

Connectivity for Verticals: Rate vs Range



Vertical Application Spaces

Connectivity for Verticals: Rate vs Range



← IEEE 802 Wired Standards →

Ongoing Activities

▶ White Paper Development

- Highlighting Vertical Applications that integrate IEEE 802 standards from more than one Working Group
- Goal is to communicate how the suite of IEEE 802 standards provides solutions for vertical industry connectivity requirements.

▶ Vertical Industry Standardization Outreach

- Which vertical industries have “standards gaps” appropriate to the scope of IEEE 802?
- Are representatives of these groups already involved in IEEE 802, or is some form of outreach needed?
- Make it public that 802.24 is a venue for stakeholders to initiate standardization – through other IEEE conferences and activities.

▶ “Success story” – launch of 802.15 TG16t project from outside group of stakeholders

- 802.24 provided a forum to develop PAR that was assigned to 802.15 WG approved in November 2019

Get involved in 802.24 to define new networking capabilities