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Linux-wpan: SubGHz, UWB and userspace needs

Friday, 20 September 2024 17:00 (25 minutes)

This session will discuss the current problems faced for the linux-wpan/ieee802154 subsystem. We will have small problem statements before discussion on ongoing work and clarification of requirements:

- IEEE 802.15.4 SubGHz phy layer support: current status and improvements on Linux (and hopefully Zephyr)
- UWB phy and driver support, needed mac802154 enhancements
- Requirement gathering for userspace interfaces for WiSUN, OpenThread and ZBOSS. How can we support them **without** exposing a raw AF_PACKET interface for a userspace protocol stack?
- Gaps in the current MLME support in linux-wpan
- Discussion and plans for lowpand userspace PAN coordinator

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