

Comments on IEEE P802.15.9a CSD

From IEEE 802.1

These comments are on the CSD found in:

- <https://mentor.ieee.org/802.15/dcn/24/15-24-0286-02-cryp-csd-for-tg9a.docx>

CSD

1.2.1 b) Broad Market Potential

- Consider revising to:

“

IEEE Std 802.15.9 was designed to include multiple key management protocols, so different environments could select a suitable key management protocol for their use case. One of the challenges with existing KMPs is that all of them use messages that require fragmentation in a typical IEEE 802.15.4 PHY. EDHOC has a mode of operation where each message is less than 50 bytes, meaning it does not need fragmentation.

There are multiple silicon and system vendors producing devices and systems using IEEE Std 802.15.4 in combination of IEEE Std 802.15.9 for use in IoT applications. This includes consumer electronics, mobile devices, building automation, medical applications, SmartGrid and Smart Community applications, industrial control, etc., and therefore has a very large end user community.

“