**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
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| Abstract | [Fraunhofer Reply to Comments on D0] | |
| Purpose | [Description of what the author wants P802.15 to do with the information in the document.] | |
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In principle Fraunhofer agrees with the proposed resolution of the Technical Editor in his technical comment #32 in document '15-17-0426-00-0013-comments-resolution-against-d0-july-meeting' where it is proposed to delete the duplicate content. However, the coordinated topology is entirely new in 802.15.13 and thus it needs more careful design than is contained in the current text.

My proposal is to add the following text blocks to 4.2.4. in D0

Note that there is a need for synchronization between the master coordinator and the other coordinators that can be achieved over the fixed network connection. How to achieve such synchronization is out of scope for this standard. *Footnote: There are well-known techniques such as the precision time protocoll (PTP) defined in in the IEEE Std. 1588-2008 and the Synchroneous Ethernet protocol (SynchE) defined in three ITU-T recommendations developed in cooperation with IEEE. Notice ITU-T Rec. G.8261 that defines aspects about the architecture and the wander performance of SyncE networks,  ITU-T Rec. G.8262 that specifies Synchronous Ethernet clocks for SyncE and ITU-T Rec. G.8264 that describes the specification of Ethernet Synchronization Messaging Channel (ESMC).*

This standard defines an appropriate functional split between the master coordinator and the other coordinators, between upper layer protocol functions which are performed by the master coordinator and lower layer protocol functions which are performed by the other coordinators.

Note also that the tranport protocol used for the communiation between the master coordinator and the distributed coordinators which is out of scope for this standard. *2nd Footnote: In principle, the IEEE 802.3 Ethernet standard can be used for such transport. There are ongoing activities to define a next generation fronhaul interface (NGFI) in the IEEE Task Force 1914 which define approriate containers for the transport of data ancd control signals that could be used in principle and eventually adapted to 802.15.13.*

(Chair's notice: TG13 may need a liason agreement with IEEE 1914 if any such changes are needed --> ask Bob Heile).

Best regards - Volker