**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
| Title | Proposal of liaison statement to ETSI ISG mWT | |
| Date Submitted | [September 2015] | |
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| Re: |  | |
| Abstract | This contribution proposes to send a liaison statement to ETSI ISG mWT. | |
| Purpose | To inform ETSI ISG mWT Call for Proposal and correct information from ETSI ISG mWT if available. | |
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**Background**

ETSI ISG mWT is working on millimeter-wave fixed wireless access system to provide fronhaul/backhaul links for broadband mobile systems [1]. The carrier frequencies of their systems are increasing and they are interested in using D-band frequencies.

In September meeting in 2015, the lower frequency range covered by TG3d devices was extended up to 252 GHz and Call for Contribution will be prepared to correct further technical parameters in these frequency ranges.

To refelect the current activity of TG3d in TRD, Call for Proposal should be sent to ETSI ISG mWT and ask them to make contributions on their related systems if possible..

**Proposal**

The meeting is requested to send a liaison statement to ETSI ISG mWT (see Attachment A).

**Reference**

[1] ISG mWT view on the allocation of spectrum for backhaul and front-haul, ITU-R millimeter-wave workshop, July 2015.

**Attachment A**

**Draft Liaison to ETSI ISG mWT**

IEEE 802 established Task Group 802.15.3d which develops wireless switched point-to-point physical layer to IEEE Std. 802.15.3 operating at a nominal PHY data rate of 100 Gbps with fallbacks to lower data rates as needed. Operation is considered in bands from 252 GHz up to 325 GHz at ranges as short as a few centimeters and up to several 100m.

This group announced Call for Contribution (see Attachment B) to correct further technical information in the frequency range above 252 GHz. IEEE 802 noted that ETSI ISG mWT is developing specifications of fixed wireless access sytems in the high millimeter-wave frequeincies for applications of fronthaul/backhaul, and would like to ask ETSI ISG mWT to provide their system parameters for the development of IEEE 802 standard.

IEEE 802 is willing to exchange information regarding our experiences in developing millimeter-wave and terahertz froanhaul/backhaul standard.

**Attachment B**

**CALL FOR CONTRIBUTION**

*TBD*