**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) |
| Title | **TG10 - TGD Scenario Parameters** |
| Date Submitted | [14th May, 2014] |
| Source | Clint Powell [PWC, LLC] | Voice: []Fax: []E-mail: [cpowell@ieee.org]  |
| Re: | [Supporting TGD Revision for Call for Final Proposals (CfFP)] |
| Abstract | [Scenario Parameters for CfFP - Working Document] |
| Purpose | [Scenario Parameters Matrix] |
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|  | **Scenarios** |
| **Parameter** | **Mostly Upstream:****Smart metering, Infrastructure monitoring, Irrigation Optimization** | **Mostly Downstream:****Street lighting, Smart lighting** | **Balanced Upstream and Downstream:****CEMS, BEMS, HEMS** |
| Packet size |  |  |  |
| Data rate |  |  |  |
| Packet birth rate |  |  |  |
| Duty cycle |  |  |  |
| Node density |  |  |  |
| Mobile devices (Y/N) & speed |  |  |  |
| PAN Coord. 2MP (Y/N) |  |  |  |
| MP2 PAN Coord. (Y/N) |  |  |  |
| MP2P\* |  |  |  |
| Multicast (Y/N) |  |  |  |
| Broadcast (Y/N) |  |  |  |
| Linear (Y/N) |  |  |  |

\*MP2P - Multi-Point to Point

Other parameters to consider:

* Link Failure Model:
* Transmission power: 0 dBm
* Receiver sensitivity:
* Path Loss Model: Two-Ray