**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) | |
| Title | **TGD Outline** | |
| Date Submitted | 21 March 2013 | |
| Source | Shahriar Emami, Samsung 75 W Plumeria Drive, San Jose, CA, USA | Voice: [408-544-2826]  Fax:  E-mail: Shahriar.e@samsung.com |
| Re: | Task Group 15.4q TGD | |
| Abstract | TGD Outline | |
| Purpose | To capture essential PHY requirements derived from the CFA responses, parameterized into a set of PHY characteristics that technical proposals can address. Guide discussion within task group, help proposers and provide a framework for evaluation of proposals by the TG. | |
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TG4q Technical Guidance Document (TGD) Outline

**Parameters to describe**

* Data Rate

Min: 250 Kbps, Max: 1 Mpbs

* Packet error rate

1 % at 20 bytes of packet length

* Range

Minimum 30 m in free space

* Channel model

Needs to be defined

* Low power attribute

Less than 15 mW

* Coexistence

TBD number of networks in a given band

* Band perhaps all 4g bands