**IEEE P802.15**

**Wireless Personal Area Networks**

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| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) |
| Title | **TG8 Technical Guidance Document – Table of Contents** |
| Date Submitted | Aug. 2012 |
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| Re: | Technical Guidance for 802.15.8 Proposals - ToC |
| Abstract | ToC for TGD based on San Diego agreements |
| Purpose | To facilitate discussion and agreement of the TGD |
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# Discussion

Reading the TGD from San Diego it seems that it has most if not all of what we need but in many cases there are duplications or the meaning is unclear.

Understanding of a requirement depends to a large extent on its classification as a functional, performance or operational requirement. The current TGD draft [1] appears to have some misclassified requirements.

To facilitate the discussion, I have created a table of contents for the TGD that is rearranged from [1]. I did not (knowingly) eliminate or changed any requirements. In some cases I have moved requirements based on the way they have been agreed, even if they should have probably been phrased differently.

*Italicized blue text is my editorial comments*

# Overview

# Definitions

* 1. General Definitions

*Some definitions from [1] 4.2 moved here*

* 1. Specific Definitions to this Standard
	2. Abbreviations and Acronyms

# General Description

## Concepts, architecture & topology

*This section describes general concepts, e.g. sects. 4.1, 4.5 in [1] with some of the original material moved elsewhere.*

## Services

*Material from [1] 4.3*

## Reference Protocol model

*Material from [1] 4.4*

# Functional requirements

*Section incorporates requirements originally under “general description” but note that some have been moved under performance or operational requirements*

## Multiple access

## Operating bandwidths

## Peer or PD discovery

## Peering (link establishment or association)

## Scheduling

## QoS

## Interference management

## Multicast and broadcast

## Multi-Hop Support

## Relative positioning

## Power management – functionality

*This section includes the functional requirement from [1] 5.13*

## Security

## Scalability

## Coexistence

*Note current language is for functional support*

# Performance Requirements

## Peak spectral efficiency

## Transmission range

## Areal spectral efficiency

## Data rate

## Bit error rate (PHY)

## Packet error rate

## Frame error rate

## Data latency

## Discovery latency

## Fairness

*Note as it is phrased it is a performance requirement not a functional one*

## Mobility

## Power management – performance

*This section includes the performance element from [1] 5.13*

## Complexity

## System overhead

# Operational requirements

## Operating Frequencies

## Duplex schemes

## Requirements for hig layer and infrastructure interaction

# Regulatory Constraints

# Evaluation methodology

## Channel models

## Simulation parameters

# References

[1] 12-15-0385-01 draft TGD from San Diego