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| Project | **IEEE 802.16 Broadband Wireless Access Working Group <**<http://ieee802.org/16>**>** | |
| Title | **Proposed Changes in IEEE P802.16q SRD** | |
| Date Submitted | **2013-05-10** | |
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| Re: | Call for Contributions: Multi-tier Networks (16-13-0064-01-000q) | |
| Abstract | This contribution proposes to add additonal functional requirements for Standby mode operation. | |
| Purpose | To discuss and adopt the proposed texts in IEEE P802.16q SRD | |
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# Proposed Changes in IEEE P802.16q SRD

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# Introduction

As a result of discussion on BS power saving mechanism since Session #81(2012-09), duty-cycled mode and standby mode have been defined in the current IEEE P802.16q AWD. However, the requirements for the standby mode are not clearly specified in the current SRD. So, we propose to add functional requirements for the standby mode into IEEE P802.16q SRD.

# Proposed Texts

----------------- Start of the text proposal --------------------------------------------------------------------------------------

[*Change subclause 6.3 of IEEE P802.16q SRD (16-13-0020-00-000q) as follows:*]

## 6.3 Base Station Power Management

### 6.3.1 The 802.16q system shall support cooperation of adjacent base stations for energy saving of base stations.

#### 6.3.1.1 The 802.16q system shall support ~~mangement~~management information exchange among adjacent base stations for power saving.

#### 6.3.1.2 The 802.16q system shall support coordinated association of users for power saving operation of base stations

### 6.3.2 The 802.16q system shall support additional operation mode of base stations for power saving of base stations.

#### 6.3.2.1 The 802 .16q system shall support additional operational mode with minimum impact on operations of mobile stations.

#### 6.3.2.2 The 802 .16q system shall support duty-cycled operation of base stations.

#### 6.3.2.3 The 802 .16q system shall support transition to/from inactive period in duty-cycled operation, triggered by adjacent BSs.

#### 6.3.2.4 The 802.16q system shall support adaptive configuration of power saving operation according to various metric (e.g. number of users).

#### 6.3.2.5 The 802.16q system shall support periodic and dynamic activation/deactivation of BS air interface for increased BS power savings.

----------------- Start of the text proposal --------------------------------------------------------------------------------------