Project	**IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>**
Title	**BS ID Clarification**
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Re:	Corrigendum to IEEE Std 802.16-2004
Abstract	This clarifies the usage of BS ID.
Purpose	Review and adoption of the proposed text change into Corrigendum to IEEE Std 802.16-2004
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BS ID Clarification

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1. Problem Statements

There is ambiguity in P802.16-REVd/D5 regarding the usage of BS ID. Since one base station could have as many different BS IDs as the number of sectors within a cell, the usage of BS ID needs to be clarified in the sense that how to identify base station and its sectors from one BS ID.

For example, this statement assumes that a single base station composes a cell with multiple sectors.

- Line 17~19, Page 31, Section 6.1 of P802.16-REVd/D5:
  The IEEE Std 802.16 wireless link operates with a central base station and a sectorized antenna which is capable of handling multiple independent sectors simultaneously.

The following statement indicates different BS IDs are used for identifying a sector within a multi-sector cell.

- Line 18~19, Page 552, Section 8.4.5.6.1 of P802.16-REVd/D5:
  Sector ID
  This field holds the least significant 8 bits of the 48-bit Base Station ID.

2. Proposed Text Changes

[Add this into the beginning of Section 6.1, page 11, IEEE 802.16maint-04/10]

Modify Line 17~19, Page 31, Section 6.1 of P802.16-REVd/D5 as indicated:

The IEEE Std 802.16 wireless link operates with a central base station ~~and a sectorized antenna which is capable of handling multiple independent sectors simultaneously~~ with single or multiple sectors. Each sector is identified with the 8 least significant bits of 48bit BS ID and the central base station is identified with the 40 most significant bits of the BS ID.