Project	**IEEE 802.16 Broadband Wireless Access Working Group** <http://ieee802.org/16>	
Title	Self-optimization for Femto BS	
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Re:	TGm SDD: SON; in response to the TGm Call for Contributions and Comments 802.16m-08/040 for Session 58	
Abstract	This contribution proposes the text for self-organization in 802.16m SDD	
Purpose	For discussion and approval by IEEE 802.16 TGm	
Notice		
Release		
Patent Policy		

Self-optimization for Femto BS

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Introduction

A new coming Femto BS should perform measurement and adjustment to prevent the interference to the neighboring Femto BSs and achieve a situation, which is in an optimal situation. When the new coming Femto BS measures the power of the neighboring Femto BS, there may be two or more Femto BSs transmitting signaling in the same frequency band. Then the new coming Femto BS cannot determine the interference comes from which Femto BS. Moreover, if only the new coming Femto BS adjust the parameters (e.g., channel and power), the whole system may not become optimal. To achieve self-optimization, in this contribution, we propose that in the initialization phase of the new coming Femto BS, there should be a timeslot reserved for the new coming Femto BS and the neighboring Femto BSs to perform self-optimization.

Proposed Text for SDD

---Start of the Text---

[Insert the following text into the "Support for Self-organization" clause]

18. Support for Self-organization

18.x Self-optimization for Femto BS

In the initialization phase of the new coming Femto BS, there should be a timeslot reserved for the new coming Femto BS and the neighboring Femto BSs to perform self-optimization.

---End of the Text---