IEEE 802.19.1a  
Wireless Coexistence

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| Comment resolutions of CID 96 | | | | |
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Abstract

This contribution provides resolutions to comment CID 96. The algorithm uses registration and registration update to obtain the energy detection information and desired energy detection performance

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| Comment ID | **Page No.** | **Section** | **Line No.** | **Type (General, Editorial, Technical)** | **Comments** | **Proposed changes** | Resolutions |
| 96 | 89 | 7.2.2.11.3 | 20 | Technical | "Profile 3 does not support 'Requesting and obtaining measurements procedures' specified." | Need proposal | We use the registration and registration update procedure to provide information about the energy detection from GCO to CM. |

7.2.2.11.3 Algorithm description

Figure 72 shows the procedure of the algorithm. The processes are as follows.

* **P#1**  
  P#1 is the procedure operated at the CDIS where the CDIS obtains the receiver information of the GCO through the GCO registration procedure as specified in 5.2.2.1 GCO registration procedure.
* **P#2**  
  In this process, the CM obtains the actual operation status of the GCOs based energy detection such as their energy detection successful rate and their sell activation rate through the GCO registration update procedure in 5.2.2.2.
* **P#3**  
  In the process, the CM compare the actual operation status obtained in P#2 against the desired energy detection successful rate and cell activation rate as obtain through the GCO registration update procedure in 5.2.2.2.
* **P#4**  
  In this procedure, CM can use the Reconfiguration procedure as specified in 5.2.10 to adjust the energy detection threshold of the GCO.
* **P#5**  
  In this procedure, CM can use the GCO registration update procedure in 5.2.2.2 to obtain the performance such as the energy detection successful rate and cell activation rate given in the *energyDetectionInfo* parameter after energy detection threshold adjustment.
* **P#6**  
  In this procedure no reconfiguration is made due to either the desired the operation status is satisfied or any reconfiguration will deteriorate the performance of the coexisting GCOs to an unacceptable level.

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Figure 72 Energy detection control procedure