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# Clarify and Decrease the RNG\_REQ message overhead in IEEE 802.16e

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## 1. Introduction

In the current IEEE P802.16e/D6, MSS MAC Address shall be included in the RNG-REQ message when the MSS is attempting to join the network. However, when the MSS is performing handover and attempting to range the Target BS, MSS MAC Address may not be included in the RNG\_REQ message, because the MSS have acquired the HO\_ID assigned by Target BS before performing handover.

This contribution clarifies the usage of the information element “MSS MAC Address” in the RNG\_REQ message.

## 2. Proposed Text Changes

*[Change the text in section 6.3.2.3.5, from line 8 to 14 in page , as the following]*

The following parameters shall be included in the RNG-REQ message when the MSS is attempting to join the network:

### **Requested Downlink Burst Profile**

The following parameters may be included in the RNG-REQ message when the MSS is attempting to join the network:

### **MS MAC Address**

MSS MAC Address shall be included in RNG-REQ during the initial network entry. During the HO process,

MSS MAC Address shall be included in RNG-REQ when the HO-ID is not available from target BS.