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| Project | **IEEE 802.16 Broadband Wireless Access Working Group <**<http://ieee802.org/16>**>** | |
| Title | **Clarification on Security Level of MAC Control Messages** | |
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| Re: | Sponsor Ballot Recirculation on P802.16.1b/D3 | |
| Abstract | This contribution proposes some modification on security level of some MAC control messages. | |
| Purpose | For discussion in M2M TG and adoption into 16.1b draft | |
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**Clarification on Security Level of MAC Control Messages**

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ETRI

# Introduction

This contribution proposes some modification of security level of AAI-MTE-IND and AAI-MGMC messages.

# Proposed Texts

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

[***Modify Table 26 on page 9 as follows***]

Table 26 – MAC Control messages

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Functional  areas | Message names | Message description | Security | Connection |
| 70 | RELAY | AAI-ARS-CONFIG-CMD | ARS configuration Command | N/A | Unicast |
| 71 | M2M | AAI-MTE-IND | M2M multicast transmission end indication | <delete>  ~~N/A: If Multicast SA is not established for the intended M2M device group (identified by MGID)~~  ~~Encrypted: If Multicast SA is established for the intended M2M device group~~  </delete><insert>  N/A: in broadcast  null: in multicast when multicast SA is not established  Encrypted/ICV: in multicast when multicast SA is established  </insert> | Broadcast/Multicast (using MGID) |
| 72 | M2M | AAI-MGMC | M2M device group MAC Control | <delete>  ~~N/A: If it carries control information for multiple M2M device groups or if it carries control information for one M2M device group and Multicast SA is not established for that M2M device group.~~  ~~Encrypted: If it carries control information for one M2M device group and Multicast SA is established for the that M2M device group~~  </delete><insert>  N/A: in broadcast  null: in multicast when multicast SA is not established  Encrypted/ICV: in multicast when multicast SA is established  </insert> | Broadcast/Multicast (using MGID) |
| 73-255 |  |  | *Reserved* |  |  |

----------------- End of the text proposal ---------------------------------------------------------------------------------------