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| Project | **IEEE 802.16 Broadband Wireless Access Working Group <**<http://ieee802.org/16>**>** | |
| Title | **Modification of M2M Ranging Allocation UL-MAP Extended IE** | |
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| Source(s) | Jaesun Cha, Soojung Jung, Eunkyung Kim, Anseok Lee, Wooram Shin, Kwangjae Lim | E-mail: [jscha@etri.re.kr](mailto:jscha@etri.re.kr)  \*<<http://standards.ieee.org/faqs/affiliationFAQ.html>> |
| Re: | Sponsor Ballot Recirculation on P802.16p/D4 | |
| Abstract | This contribution proposes some modification of M2M Ranging Allocation UL-MAP Extended IE format. | |
| Purpose | For discussion in M2M TG and adoption into 16.p draft | |
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**Modification of M2M Ranging Allocation UL-MAP Extended IE**

Jaesun Cha, Soojung Jung, Eunkyung Kim, Anseok Lee, Wooram Shin, Kwangjae Lim

ETRI

# Introduction

This contribution proposes the following two changes.

* Change of TBS in length field
* Addition of reserved field for byte alignment

# Proposed Texts

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

[***Modify Table 512a on page 28 as follows***]

Table 512a – M2M Ranging Allocation UL-MAP Extended IE format

|  |  |  |
| --- | --- | --- |
| Syntax | Size (bit) | Notes |
| *M2M Ranging Allocation UL-MAP Extended IE() {* |  |  |
| Extended UIUC | 4 | M2M Ranging Allocation UL-MAP Extended = 0xC |
| Length | 4 | Length is ~~TBD~~2 or 6 |
| Access restriction indicator | 1 | When this bit is set to 1, it indicates that M2M devices are not allowed to access this BS.  When this bit is set to 0, this IE specifies the ranging allocation for M2M devices. |
| *Padding* | 7 | Set to 0 for byte alignment |
| If (Access restriction indicator ==0) { |  |  |
| OFDMA Symbol offset | 8 | - |
| Subchannel offset | 7 | - |
| No. OFDMA Symbols | 7 | - |
| No. Subchannels | 7 | - |
| Ranging Method | 2 | 0b00: Initial ranging/Handover Ranging over two symbols  0b01: Initial ranging/Handover Ranging over four symbols  0b10-0b11: *Reserved* |
| Dedicated ranging indicator | 1 | 0: the OFDMA region and ranging method defined are used for the purpose of normal ranging  1: the OFDMA region and ranging method defined are used for the purpose of ranging using dedicated CDMA code and transmission opportunity assigned in the MOB\_PAG-ADV message. |
| } |  |  |
| } |  |  |

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