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| Title | **Comments on R-MAP** |
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| Re: | IEEE 802.16j-07/019: "Call for Technical Comments Regarding IEEE Project 802.16j" |
| Abstract | This contribution proposes comments on R-MAP message format |
| Purpose | Text proposal for 802.16j Baseline Document. |
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# Comments on R-MAP

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## Introduction

In order to reduce the overhead of non-transparent RS, this contribution proposes the modification of R-MAP for non-transparent RS systems. RCID_Type is added such that R-MAP could utilize RCID_IE. Also, IE type of each DL-MAP IE or UL-MAP IE is replaced by DL_IE count and UL_IE count.

In order to facilitate the incorporation of this proposal into IEEE 802.16j standard, specific changes to the baseline working document IEEE 802.16j-06/026r4 are listed below.

## Proposed text change

*[Change the following subclause 8.4.5.9 in line 32 of page 160]*
8.4.5.9 R-MAP message

Table 496a—R-MAP message format

| Syntax | Size | Notes |
|---|---|---|
| R-MAP format { | — | — |
| RCID_Type | 2 bit | 0b00 = Normal CID<br>0b01 = RCID11<br>0b10 = RCID7<br>0b11 = RCID3 |
| Length | 11 bits | Length of R-MAP in bytes |
| DL IE count | 6 bits | Number of DL IE in the burst. |
| UL IE count | 6 bits | Number of UL IE in the burst. |
| for (i = 0; i < ~~Number of IEs~~DL IE count; i++){ | — | — |
| ~~IE type~~ | ~~2 bits~~ | ~~0b00: DL MAP IE~~<br>~~0b01: UL MAP IE~~<br>~~0b10: R-link specific IE~~<br>~~0b11: reserved~~ |
| ~~if(IE type = 0){~~ | | |
| DL-MAP IE()~~}~~ | Variable | |
| } | — | — |
| for (i = 0; i < UL IE count; i++){ | — | — |
| ~~elseif(IE type = 01){~~ | | |
| UL-MAP IE()~~}~~ | Variable | |
| } | — | — |
| While (map data remains) | — | — |
| ~~elseif(IE type = 10){~~ | | |
| R-link specific IE()~~}~~ | Variable | |
| } | — | — |
| Padding | *variable* | Padding to reach byte boundary |
| } | — | — |