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| Title | **Correction to Management Message Encodings** |
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| Re: | IEEE P802.16e/D9. |
| Abstract | This presentation corrects management message type of REG-REQ/RSP. |
| Purpose | Review and adoption of the proposed text change into IEEE P802.16e/D9. |
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# Correction to Management Message Encodings

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## 1. Problem Statements

Some types of REG-REQ/RSP management message encodings have the same numbers: e.g. ~~type 15 and~~ type 21. ~~Currently type 15 is used by both "PKM flow control" and "The Number of Downlink Transport CID Supported". Also,~~ Ttype 21 is used by both "Packing Support "and "Maximum amount of MAC level data per UL frame". ~~, whereas type 19 is not used.~~ We need to assign different numbers to distinguish different types.

Note: Changes from C802.16e-05/329r1 to C802.16e-05/329r2
- "PKM Flow Control", "Authoization Policy Support", and "Maximum Number of Supported Security Associations" were removed in the Corrigendum, hence the contribution was updated with those changes.

## 2. Proposed Text Changes

***[Add Table 369a in line 48, p. 524, 11.7 as indicated:]***

**Table 369a - REG-REQ/RSP message encodings**

| Type | Parameter | Type | Parameter |
|---|---|---|---|
| 1 | ARQ Parameters | 23 | Maximum Number of Bursts Transmitted Concurrently to the MS |
| 2 | SS Management Support | 24 | CID Update Encodings |
| 3 | IP Management Support | 25 | Compressed CID Update Encodings |
| 4 | IP Version | 26 | Method for Allocating IP Address for the Secondary Management Connection |
| 5 | Secondary Management CID | 27 | Handover Supported |
| 6 | The Number of Uplink CID Supported | 28 | System Resource Retain Timer |
| 7 | Classification, PHS Options, SDU Encapsulation Support | 29 | HO Process Optimization MS Timer |

| | | | |
|---|---|---|---|
| 8 | Maximum Number of Classifiers | 30 | Mobility Features Supported |
| 9 | PHS Support | 31 | Sleep-mode Recovery Time |
| 10 | ARQ Support | 32 | MS-PREV-IP-ADDR |
| 11 | DSx Flow Control | 33 | SKIP-ADDR-ACQUISTION |
| 12 | MAC CRC Support | 34 | SAID Update Encodings |
| 13 | MCA Flow Control | 35 | Total Number of Provisional Service Flow |
| 14 | Multicast Polling Group CID Support | 36 | Idle Mode Timeout |
| 15 | ~~PKM Flow Control~~ The Number of Downlink Transport CID Supported | 37 | SA TEK Update |
| 16 | ~~Authorization Policy Support~~ Reserved | 38 | GKEK Parameters |
| 17 | ~~Maximum Number of Supported Security Associations~~ Reserved | 39 | ARQ-ACK Type |
| 18 | SS MAC Address (in Mesh mode only) | 40 | MS HO Connections Parameters Processing Time |
| 19 | ~~The Number of Downlink Transport CID Supported~~ Reserved | 41 | MS HO TEK Processing Time |
| 20 | Maximum MAC Data per Frame Support | 42 | MAC Header and Subheader Support |
| 21 | Packing Support | 43 | SN Reporting Base |
| 22 | MAC Extended rtPS Support | | |

***~~[Insert following text change in line 49, p. 524 as indicated:]~~***

**~~11.7.6.2 Number of downlink transport CIDs supported~~**

~~This field shows the number of downlink transport CIDs the SS can support.~~

| ~~Name~~ | ~~Type~~ | ~~Length~~ | ~~Value~~ | ~~Scope~~ |
|---|---|---|---|---|
| ~~The Number of Downlink Transport CIDs Supported~~ | ~~15~~19 | ~~2~~ | ~~The number of downlink transport CIDs the SS can support~~ | ~~REG-REQ REG-RSP~~ |

***[Change the first paragraph of 11.7.8.10, p.525 as indicated:]***

### 11.7.8.10 Maximum MAC data per frame support

~~This parameter~~ This compound TLV defines the maximum amount of MAC level data including MAC headers and HARQ retransmission bursts the MS is capable of processing in the DL/UL part of a single MAC frame. A value of 0 indicates such limitation doesn't exist, except the limitation of the physical medium. If those TLVs are absent then the default value (0) should be used.

| Name | Type | Length | Value | Scope |
|---|---|---|---|---|
| Maximum MAC Data per Frame Support | 20 | *variable* | Compound | REG-REQ REG-RSP (OFDMA PHY only) |

| Name | Type | Length | Value | Scope |
|---|---|---|---|---|
| Maximum amount of MAC level data per DL frame | 20.1 | 2 | Maximum amount of MAC level data per DL frame (in unites of 256 Bytes). A value of 0 means unlimited. | REG-REQ REG-RSP (OFDMA PHY only) |

| Name | Type | Length | Value | Scope |
|---|---|---|---|---|
| Maximum amount of MAC level data per UL frame | 20.2 | 2 | Maximum amount of MAC level data per UL frame (in unites of 256 Bytes). A value of 0 means unlimited. | REG-REQ REG-RSP (OFDMA PHY only) |

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