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| Project | IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 > | |
| Title | Fix Improper Changes in 6.3.2.3.43.5 CQICH Control IE | |
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| Source(s) | Phillip Barber Huawei | Voice: +1 (972) 365-6314 Fax: +1 (925) 396-0269 [mailto:pbarber@BroadbandMobileTech.com] |
| Re: | Fix Improper Changes in 6.3.2.3.43.5 CQICH Control IE | |
| Abstract | Current proposed language changes in 802.16e/D8 to 6.3.2.3.43.5 CQICH Control IE breaks backwards compatibility, is out-of-scope of the 16e PAR | |
| Purpose | Provide remedy to fix identified problems to bring document back into conformance with the 16e PAR while preserving the added functionality | |
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Fix Improper Changes in 6.3.2.3.43.5 CQICH Control IE

Phillip Barber

Huawei

Problem: Changes to all of 6.3.2.3.43.5 as they stand to be implemented through this 16e amendment, would make retroactive changes to 802.16-2004 compliant SS without any appropriate mechanism to distinguish SS supporting only the 802.16-2004 original iteration and SS supporting the 802.16-2004 PLUS the amended, non-MS centric, changes of 16e, breaking backwards compatibility, thus is out-of-scope of the 16e PAR. This is a real problem.

Simple remedy is to make the IE change to the Table specific to MS.

Remedy:

[In 6.3.2.3.43.5 CQICH Control IE, page 66, Table 95—CQICH_Control IE, modify Table as:]

Table 87—DREG-REQ message format

| Syntax | Size (bits) | Notes |
|--|-------------|---|
| reserved <u>CQI reporting threshold</u> | 3 | Shall be set to zero. A threshold used by an MS to report its CINR using CQI channel; If 0b000, this threshold is neglected. SS shall treat these bits as reserved and shall be set to zero. |

[In 6.3.2.3.43.5 CQICH Control IE, page 67, line 25, modify as:]

CQI reporting threshold

Used by the MS to determine whether it reports current channel measurement through CQI channel if allocated in the future. If the value is set to 0b000, this threshold is inactive afterwards; otherwise it is activated. SS shall treat these bits as reserved and shall be set to zero.