Project	**IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>**
Title	**Corrections for table 332 (the normalized C/N per modulation)**
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Re:	Corrigenda of IEEE802.16-2004
Abstract	The Normalized C/N per modulation (table 332) does not provide the C/N for ACK, Sounding and QPSK 1/3.
Purpose	Adoption of suggested changes into IEEE802.16-2004
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Problem Definition

The Normalized C/N per modulation (table 332) does not provide the normalized C/N values for all possible modulation or signaling schemes. Especially, the normalized C/N for ACK, Sounding and QPSK 1/3 shall be additionally provided with the table 332.

Proposed text

[Change Table 332 as follows in 8.4.10.3]

Table 333—Normalized C/N per modulation

Modulation/ FEC rate	Normalized-C/N (dB)
ACK region	-3.0
Fast Feedback IE	-3.0
CDMA code	0.0
QPSK 1/3	0.5
QPSK 1/2	3.0
QPSK 2/3	4.5
Sounding Transmission	5.5
QPSK 3/4	6.0
16-QAM 1/2	7.5
16-QAM 2/3	10.5
16-QAM 3/4	13.0
16-QAM 5/6	15.0
64-QAM 1/2	15.0
64-QAM 2/3	17.0
64-QAM 3/4	20.0
64-QAM 5/6	23.0

[Change row “Normalized C/N override” in Table 355 as follows in 11.3.1.1]

Normalized C/N override	152	~~5~~8	This is a list of numbers, where each number is encoded by one nibble, and interpreted as a signed integer. The nibbles corresepond in order to the list define by Table 332, starting from the second line, such that the LS nibble of the first byte corresponds to the second line in the table. The number encoded by each nibble represents the difference in normalized C/N relative to the previous line in the table.