

Project	<b>IEEE 802.16 Broadband Wireless Access Working Group</b> < <a href="http://ieee802.org/16">http://ieee802.org/16</a> >	
Title	<b>TG2 Comments: Acronyms and Editorial Changes</b>	
Date Submitted	<b>2000-11-08</b>	
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Re:	This refers to the TG2 Call for Comments dated October 8 <sup>th</sup> 2000	
Abstract	This proposes a list of Acronyms and a list of suggested Editorial Changes	
Purpose	TG2 should consider these proposals as part of the review of their draft Coexistence Practice.	
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## Acronyms and Editorial Changes

We recommend that TG2 considers the following list of Acronyms and list of Editorial changes in their comment review.

Acronyms and abbreviations used in IEEE 802.16.2 Standard:

AdjCh	Adjacent Channel
ATPC	Adaptive Transmit Power Control
AZ	Azimuth
BER	Bit Error Rate
BFWA	Broadband Fixed Wireless Access
BRAN	Broadband Radio Access Networks
BTA	Business Trading Area
BTS	Base Transceiver Station
BTS/CS	Base Transceiver Station/Central Station
BW	BandWidth
BWA	Broadband Wireless Access
CDF	Cumulative Distribution Function
CDMA	Code Division Multiple Access
CEPT/ETSI	Conference of European PTTs (Public Telephone and Telegraph) / European Technical Standard Institute
CEPT/ERC	Conference of European PTTs (Public Telephone and Telegraph) / European Radio Committees
C/I	Carrier-to-Interference ratio
C/N	Carrier-to-Noise Ratio
CoCh	Co-Channel
CRABS	? p. 85
CS	Central Station
CS-TS	? p. 56
CS-TS-RS	? p. 55
CW	Continuous Wave
dBi	Gain relative to a hypothetical isotropic antenna
DRRS	? p. 100
DRS	Data Relay Satellite
DS-3	44.736 Mbps line rate
EIRP	Effective Isotropic Radiated Power or Equivalent Isotropically Radiated Power
EIRPSD	Effective Isotropic Radiated Power Spectral Density
EL	Elevation
EMC	ElectroMagnetic Compatibility
EMI	ElectroMagnetic Interference
ETSI	European Technical Standard Institute
FDD	Frequency Division Duplexing
FSPL	Free Space Path Loss
FWA	Fixed Wireless Access
GSO	Geostationary
HB/HD	? p. 77
IA	Interference Area
IC process	? p. 50
IEC	International Electrotechnical Committee
IF	Intermediate Frequency
IILS	Inband Inter-cell Link Station
IL	Inter-cell Link

ISO	International Organization for Standardization
ISOP	Interference Scenario Occurrence Probability
ITU	International Telecommunication Union
ITU-R	International Telecommunication Union-Radio
LAN	Local Area Networks
LMCS	Local Multipoint Communication Systems
LOS	Line-Of-Sight
MAN	Metropolitan Area Networks
MCL	Minimum Coupling Loss
MP-MP	MultiPoint-to-MultiPoint
MWS	Multimedia Wireless Systems
NFD	Net Filter Discrimination
OC-3	155.52 Mbps line rate
OFDM	Orthogonal Frequency Division Multiplexing
OMT	Ortho Mode Transducer
OOB	Out-Of-Band
PCS	Personal Communication Service band
pdf	Power Flux Density
PLL	Phase Lock Loop
PMP	Point to MultiPoint
PSD	Power Spectrum Density
psfd	Power Spectrum Flux Density
PTP	Point-To-Point
QAM	Quadrature Amplitude Modulation
QPSK	Quadrature Phase Shift Keying
RA process	? p. 50
RABC	Radio Advisory Board of Canada
RF	Radio Frequency
RPE	Radiation Pattern Envelope
RS	? p. 55
RSS	Radio Standards Specifications
RTPC	? p. 91
RTS	RepeaTer Station
RX	Receive
SONET	Synchronous Optical Network
SRSP	Standards Radio Systems Plan
STS	Subscriber Transceiver Station
TBD	To-Be-Determined
TDD	Time Division Duplexing
TDM	Time Division Multiplexing
TE	Terminal Equipment
TS	? p. 55, p. 56, p. 88, p. 89
TX	Transmit
VB/VD	? p. 77
XPD	Cross Polar Discrimination

Starting Page	Starting Paragraph /Section /Figure	Line number in paragraph/section	Category (T)echnical (E)ditorial (G)eneral	Contents	Remark
2	4	2	E	Change “Annex D -“ to read “Annex D”	Remove “-“.
13	2	3	E	Section 0	Missing Section number. Section number starts from 1.
15	1	3	E	The design margin in (b)	No (b) in the flowing context before (b) is mentioned.
16	2	3	E	Change “see Annex B -“ to read “Annex B”	Remove “-“.
16	3	5	E	Annex <xx>	Missing Annex number.
17	2	2	E	Change “Section 6.1.1 and 6.1.2” to read “Sections 6.1.1 and 6.1.2”	Adding plural “s”.
18	1	Line 2 of Table 1	E	Change “PMP Hub to PMP hub” to read “PMP hub to PMP hub”	Change upper case “H” to lower case “h”.
18	1	Line 3 of Table 1	E	Change “Mesh Subs to PMP hub” to read “Mesh subs to PMP hub”	Change upper case “S” to lower case “s”.
18	1	Line 4 of Table 1	E	Change “(note 3 and 5)” to read “(notes 3 and 5”	Adding plural “s”.
18	1	Line 5 of Table 1	E	Change “Mesh Subs to PMP sub” to read “Mesh subs to PMP hub”	Change upper case “S” to lower case “s”. Change “sub” to read “hub”.
18	6	3	E	Change “analysed” to read “analyzed”	Change “s” to “z”.
18	7	1	E	Change “harmonised” to read “harmonized”	Change “s” to “z”.
21	3	Key to Figure 1	E	Change “RPT: A Repeater Station” to read “RTS: A Repeater Station”	Change “RPT” to “RTS” since RTS is used in Figure 1.

25	Figure 4		E	Change “Desidered Subscriber” to read “Desired Subscriber”	Remove “de” from word “Desidered”.
26	2	1	E	Change “the interfere” to read “the interferer”	Grammar.
26	5	3	E	Change “bandplan” to read “band plan”	Insert a space into word “bandplan”.
26	6	3	E	Change “The interfere” to read “the interferer”	Grammar.
27	2	2	E	Change “the interfere” to read “the interferer”	Grammar.
28	2	2 and 4	E	Change all three occurrences of “the interfere” to read “the interferer”	Grammar.
31	2	1 through 10	E	Change “ <i>The e.i.r.p. spectral ... and 20°</i> ” to read “The e.i.r.p. spectral ... and 20°”	Change Italic type font to Normal type font.
31	Footnote	2	E	Change “85°E 90°E” to read “85°E, 90°E”	Insert a “,”.
33	Section 6.1.2.2	1		Change “ <b>Down Stream</b> ” to read “ <b>Downstream</b> ”	Combining “ <b>Down</b> ” and “ <b>Stream</b> ” together.
39	Figure 11	Caption	E	Change “ <b>BTS Azimuth RPE-Class</b> ” to read “ <b>BTS Azimuth RPE-Class 2</b> ”	Add a “2” to the word “Class”.
46	1	2	E	Change “environments e.g.” to read “environments, e.g.”	Insert a “,” before “e.g.”.
46	2	3	E	Change “requirements while” to read “requirements when”	Grammar. Change “while” to “when” to be more accurate.
47	2	1	E	Change “should be met i.e.” to read “should be met, i.e.”	Insert a “,” before “i.e.”.

49	2	2	E	Change “500% of the center frequency” to read “500% of the occupied bandwidth centered around the center frequency”	Insert “the occupied bandwidth centered around” after “500% of”.
49	4	1	E	Change “and / or” to read “and/or”	Remove unwanted spaces.
49	8	1	E	Change “Coordination is recommend” to read “Coordination is recommended”	Grammar.
50	2	3 and 4	E	RA and IC processes	Where are RA and IC processes in “[refer to RA and IC process in Annex]?”
50	3	6	E	Change “elvation. No” to read “elevation. No”	Spelling.
53	1	3	E	Change “between them” to read “between them.”	Insert a “.” in the end of a sentence.
54	2	1	E	Change “AZ and EI” to read “AZ and EL”	Change lower case “I” to upper case “L”.
54	3	2	E	Change “regulated/ recommended limits.” To read “regulated/recommended limits.”	Remove unwanted space after “/”.
54	4	1	E	Change “rogue i.e. it” to read “rogue, i.e. it”	Insert a “,” after word “rogue”.
55	4	1	G	CS-TS-RS	Meanings for CS, TS, and RS are not mentioned in the document.
55	5	1	E	Change “inter- system” to read “inter-system”	Remove unwanted space.
57	Table 13	9	E	Change “TDD-FDD” to read “TDD/FDD”	Change “-“ to “/” to be consistent with other entries in the table.
59	1	2	E	Change “Annex C -“ to “Annex C”	Remove “-“.

59	5	2	E	Change “channel/ polarization” to read “channel/polarization”	Remove unwanted space.
60	Section 8.1.10.2	6 and 9	E		What is in [xx]? Not clear on the two occurrences of [xx]’s.
60	Section 8.1.10.3	6	E		What is in [xx]? Not clear on the two occurrences of [xx]’s.
62	3	3	E	Change “terminal stations” to read “terminal stations.”	Insert a “,” in the end of a sentence.
63	2	1	E	Change “sectorized antennae” to read “sectorized antenna”	Remove “e” from word “antennae”.
63	Section 9.7.5	2	E	Change “base station antennae” to read “base station antenna”	Remove “e” from word “antennae”.
64	1	2	E	Change “a narrow , beam” to read “a narrow beam”	Remove “,”.
64	Section 9.10.1	2	E	Change “room/ buliding” to read “room/buliding”	Remove unwanted space.
70	5	1	E	Change “TableA.1” to read “Table A.1”	Insert a space between “Table” and “A.1”.
74	Annex B	Table entries	T	A footnote for Column 4 in table needs to be added.	The fact that PSFD B is always 20 dBW/m <sup>2</sup> in any 1 MHz worse than PSFD A is not mentioned in Annex B. The nominal frequency is not mentioned in Annex B. Form the given example, one may assume 38 GHz is the underlining frequency used for all table entries.

75	Annex C		T	Flowing context of Annex C is not clear to readers.	Definitions for TS, CS, and Mesh need to be defined at the beginning of the Annex. TS may be equivalent to STS (subscriber transceiver station) and CS may be equivalent to BTS (base transceiver station). What is Mesh?
77	1	4	T	VB/VD and HB/HD	Meanings of “VB/VD” and “HB/HD” are not mentioned in the document.
77	1	6	E	Change “(adjacent channel operaytion)” to read “(adjacent channel operation)”	Remove “y” from word “operaytion”.
77	2	1	E	Change “Figure [9]” to read “Figure [xx]”	Add caption “Figure [xx]” to the picture shown on the page.
77	Figure [xx]		T		Redraw Figure [xx].
78	1	3	E	Change “at least some one victim link” to read “at least one victim link”	Remove word “some” in the running sentence.
78	2	3	E	Change “C/I ration is very low” to read “C/I ratio is very low”	Remove “n” from word “ration”.
78	5	1	T		What is Ref.[ ]? Reference index is not given.
79	1	9	E		Section [5.2.1] is never appeared in the document.



80	Figure [y]		T	The drawing of 2.55 km square cell is misleading. Scale does not match to Offset 2.5 km in the figure.	Redraw 2.55 km square cell is recommended.
81	Figure [yy]	1	E	Change “Normalised to” to read “Normalized to”	Grammar. Change “s” to “z”.
81	Figure [yy]	2	E	Change “r varies from” to read “r varies”	Remove word “from”.
82	6	5	E	Change “TS to Ts” to read “TS to TS”	Change lower case “s” to upper case “S”.
83	2	5	E	Change “cell offset value” to read “cell offset value.”	Add a “.” in the end of a sentence.
84	1	4	E	Change “ate the victim station” to read “at the victim station”	Remove “e” from word “ate”.
84	2	4	T	CRABS	Definition of CRABS is not given.
85	3	1	E	Change “-114dbm/MHz” to read “-114dBm/MHz”	Change lower case “b” to upper case “B”.
86	1	3	E	Change “antenna the RPE” to read “antenna RPE”	Remove word “the”.
86	4	5	E	Change “together ate the victim station” to read “together at the victim station”	Remove “e” from word “ate”.
86	7	1	E	Change “to be uncritical.” to read “to be noncritical.”	Grammar. Change “un” to “non”.
89	1	2	E	Change ‘in the same frequency band’..’ to read ‘in the same frequency band’.’	Remove the extra “.” in the end of sentence.
89	2	3	E	Change “equipment utilising” to read “equipment utilizing”	Change “s” to “z”.
89	2	4	E	Change “recognised that” to read “recognized that”	Change “s” to “z”.
89	3	2	E	Change “summarised below” to read “summarized below”	Change “s” to “z”.

90	1	2	E	Change “can been seen” to read “can be seen”	Remove “en” from word “been”.
90	3	2	E	Change “frequency/polarisation” to read “frequency/polarization”	Change “s” to “z”.
90	5	1	E	Change “summarised above” to read “summarized above”	Change “s” to “z”.
90	6	2	E	Change “summarised below:” to read “summarized below:”	Change “s” to “z”.
91	4	1	T	RTPC	Will RTPC be ATPC (automatic transmit power control)?
91	4	1	E	Change “equal channelisation” to read “equal channelization”	Change “s” to “z”.
91	7	3	E	Change “the impact of utilising” to read “the impact of utilizing”	Change “s” to “z”.
93	Figure 2	Caption	E	Change “same area /adjacent-channel” to read “same area/adjacent-channel”	Remove unwanted space.
95	3	5	E	Change “neighbouring operator” to read “neighboring operator”	Remove “u” from word “neighbouring”.
95	5	5	E	Change “neighbouring licensed area” to read “neighboring licensed area”	Remove “u” from word “neighbouring”.
95	6	7	E	Change “station interference, due” to read “station interference,”	Remove word “due”.
96	4	4	E	Change “ $20 \log (4\pi R_{\min} / )$ ” to read “ $20 \log (4\pi R_{\min})$ ”	Remove unwanted “/”.
97	1	5	E	Change “ $G_{\text{rec}} + 10 \log ( \_ / 4\pi )$ ” to read “ $G_{\text{rec}} + 10 \log ( \lambda^2 / 4\pi )$ ”	Correct the formula.
97	2	1	E	Change “cell size $R_{\text{max}}$ , needs” to read “cell size $R_{\text{max}}$ , needs”	Remove unwanted space.

97	3 <sup>rd</sup> line from bottom		E	Annex 1	Where is Annex 1? Indices used for Annex in the document are A, B, ..., etc.
98	1	3	E	Annex 1	Where is Annex 1? Indices used for Annex in the document are A, B, ..., etc.
98	1	7	E	Change “of non direct alignment” to read “of non-direct alignment”	Insert “-“ between “non” and “direct”.
98	Paragraph starts with “Assumed parameters for interference analysis:”	6	E	Subscriber station EIRP: 26 dBW = 11.5 dBW/MHz	Will it be Subscriber station EIRP: 26 dBW = 0.87 dBW/MHz (where 0.87 dBW/MHz = 26 dBW / 28 MHz.)?
98	Paragraph starts with “Assumed parameters for interference analysis:”	12	E	Change “Subscriber station antenna gain 32 dBi (PMP); 26i dB (mesh)” to read “Subscriber station antenna gain 32 dBi (PMP); 26 dBi (mesh)”	Change “26i dB” to “26 dBi”.
100	Bibliography index D6		E	Change “ETSI EN 301 215 - 1” to read “ETSI EN 301 215-1”	Remove unwanted spaces.
101	Bibliography index D27		E	Change “cell models...” to read “cell models.”	Remove extra dots. Only a single dot is required.