

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **001**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **viii**

Starting Line # **2**

Fig/Table#

Section **0**

DVJ3(subclause=0,page=viii,line=2):
Wrong font.

Suggested Remedy

Arial for "Contents"

Applies also to many other headings.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **002**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **xvi** Starting Line # **2** Fig/Table# Section **0**

DVJ5(subclause=0,page=xvi,line=2):

Capitalization within a title or header should be limited to the first word, as per IEEE Style Guide.

Suggested Remedy

List of Figures

==>

List of figures

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **003**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **xviii** Starting Line # **2** Fig/Table# Section **0**

DVJ7(subclause=0,page=xviii,line=2):
Capitalization within a title or header should be limited to the first word, as per IEEE Style Guide.

Suggested Remedy

List of Tables

==>

List of tables

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **004**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **xviii** Starting Line # **15** Fig/Table# Section **0**

DVJ8(subclause=0,page=xviii,line=15):

Make the figure names shorter, to avoid TOC line breaks and errors, like these.

Suggested Remedy

NoRemedySupplied

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

The IEEE staff editor can handle any formatting issues

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **005**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **xvi** Starting Line # **31** Fig/Table# Section **0**

DVJ6(subclause=0,page=xvi,line=31):
Make the figure name shorter, so the line doesn't break

Suggested Remedy

NoRemedySupplied

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

The IEEE staff editor can handle any formatting issues

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **006**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **XV** Starting Line # **35** Fig/Table# Section **0**

DVJ4(subclause=0,page=xv,line=35):
Indexing not working.

Suggested Remedy

Add Annex A and Annex B titles,
in a way that the TOC is automatically generated correctly.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

The IEEE staff editor can handle any formatting issues

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **007**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **0**

Starting Line # **8**

Fig/Table#

Section **0**

DVJ1(subclause=0,page=0,line=8):

Be consistent.

Suggested Remedy

Capitalize consistently:

Standard for local and metropolitan area networks

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

The IEEE staff editor can handle any formatting issues

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **008**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **0** Starting Line # **12** Fig/Table# Section **0**

DVJ2(subclause=0,page=0,line=12):

Put numbers on the side--comments are still relevant in the preface.

Suggested Remedy

Do it, while still useful for reviewers.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **009**

Comment submitted by: James

Gilb

Member

7/10/2005

Comment Type **Technical, Satisfied (was** Starting Page # **This** Starting Line # **1** Fig/Table# Section **0**

The instructions say that if I vote Yes, my comment "will not be reviewed by the chair, but does not require a response." Thus I have to vote no in order for my comments to be reviewed.

Suggested Remedy

I am pretty sure that the SA rules do not indicate that comments from voters "will be ignored". The comment template needs to be updated to reflect the rules.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

The specific comment is on the template of submitting comments for the sponsor ballot and not on the document itself. In addition, the group do review all the comments.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **010**

Comment submitted by: **Ruediger**

Kays

Member

7/10/2005

Comment Type **Editorial**

Starting Page # **3**

Starting Line # **Tabl**

Fig/Table#

Section **1.3.4**

Empty column in table.

Suggested Remedy

Remove 4th column in table 1, as it does not contain any entries after modification.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **011**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **3** Starting Line # **8** Fig/Table# Section **1.3.4**

DVJ10(subclause=1.3.4,page=3,line=8):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Duplexing
alternative

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

The same format as in the baseline standard (and was edited by the IEEE staff editor) should be kept

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **012**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **3** Starting Line # **11** Fig/Table# Section **1.3.4**

DVJ9(subclause=1.3.4,page=3,line=11):
Please put dash in empty cells.
I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

Motion by Itzik Kitroser seconded by Ofer kelman: to reject all comments which suggests to insert dashes in all empty cells in tables.

Comments:

012,039,042,045,048,060,068,072,076,098,100,101,102,187,242,246,
260,265,269,274,278,289,293,296,299,307,318,321,326,331,334,337,
346,353,362,366,371,382,384,446,447,473,

Vote:

In favor: 12

Against: 0

Passes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **013**

Comment submitted by: James

Gilb

Member

7/10/2005

Comment Type **Technical, Satisfied (was** Starting Page # **3** Starting Line # **30** Fig/Table# Section **6.3.2.3.47.3.1**

Subclause numbering is only supposed to be 5 deep (i.e., it should have stopped at 6.3.2.3.47) 6 deep is silly, but 7 deep is too strange to describe in words.

Suggested Remedy

Since this is a corrigendum, now would be a good time to fix this insanity. It only takes a little imagination on the part of the technical editor to save anyone who reads this from the tongue twisting attempt to refer to any of these subclauses.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

The IEEE staff editor will fix the table of contents for the official publication, in addition, since our document is complex, section levels more than 4 is required, finally, restructuring the entire document to have only 4 section levels will introduce substantive changes that do not address technical issues.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **014**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **4**

Starting Line # **2**

Fig/Table#

Section **2**

DVJ11(subclause=2.,page=4,line=2):
Incorrect styles.

Suggested Remedy

Use Arial for headings.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

This is not with accordance to the baseline source received from the IEEE staff editor, anyway if there is a problem it will be fixed during the editorial stage of the IEEE staff editor for this standard.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **015**

Comment submitted by: David

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **5**

Starting Line # **7**

Fig/Table#

Section **3.9**

DVJ13(subclause=3.9,page=5,line=7):

Please look at the styles in IEEE Dictionary and other standards.

The first word after the ':' should be capitalized,. as thought a real sentence (which it isn't really).

Suggested Remedy

Fix, here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **016**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **5**

Starting Line # **23**

Fig/Table#

Section **3.44**

DVJ12(subclause=3.44,page=5,line=23):
Definitions are not capitalized simply because of
their distinct meanings. Only proper nouns (such
as formal document titles) should be capitalized.

Suggested Remedy

Quality of Service

==>

quality of service

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **017**

Comment submitted by: James

Gilb

Member

7/10/2005

Comment Type **Technical, Satisfied (was** Starting Page # **5** Starting Line # **46** Fig/Table# Section **3.13**
Acronyms need to be spelled out in the definitions as the definitions need to be able to stand alone.

Suggested Remedy

Spell out the acronyms in 3.13 and all other definitions where they appear, e.g., 3.27, 3.36, 3.45, 3.61 and 3.63.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

Spell out acronyms only on first instance (also refer baseline to verify that the acronym was not spelled earlier).

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

spelled out acronyms on first instance at each definition.

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **018**

Comment submitted by: Wen

Tong

Member

7/10/2005

Comment Type **Technical, Satisfied (was**

Starting Page # **6**

Starting Line #

Fig/Table#

Section **3**

The definition of MIMO is missing

Suggested Remedy

Insert the following sentence.

3.71 MIMO: A system employing at least one transmit antenna and at least one receive antenna to improve the system capacity, coverage and throughput

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

Insert the following definition.

3.71 **multiple input multiple output (MIMO)**: A system employing at least **two** transmit antennas and at least **two** receive antennas to improve the system capacity, coverage or throughput.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **019**

Comment submitted by: **Wen**

Tong

Member

7/10/2005

Comment Type **Technical, Non-binding**

Starting Page # **7**

Starting Line #

Fig/Table#

Section **4**

MIMO abbreviation is missing

Suggested Remedy

Insert the following sentence at line 17

MIMO: multiple input multiple output

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Insert the following sentence at line 17

MIMO: multiple input multiple output

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **020**

Comment submitted by: **Lei**

Wang

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **7** Starting Line # **8** Fig/Table# Section **4**

The acronyms "CQI" and "CQICH" are used many times in 802.16-2004 and cor1/D2, but there are no defitions.

Suggested Remedy

insert the following two lines in line 8 page 7:

CQI Channel Quality Information
CQICH Channel Quality Information Channel

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

insert the following two lines in line 8 page 7:

CQI Channel Quality Information
CQICH Channel Quality Information Channel

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **021**

Comment submitted by: **Paul**

Piggin

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **7** Starting Line # **15** Fig/Table# Section **4**
Add RCE to the Abbreviations and Acronyms section

Suggested Remedy

RCE Relative constellatiion error (equivalent to EVM)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Withdrawn**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **022**

Comment submitted by: **Ruediger**

Kays

Member

7/10/2005

Comment Type **Editorial**

Starting Page # **7**

Starting Line # **17**

Fig/Table#

Section **4.**

Abbreviation **CTC not mentioned**

Suggested Remedy

Insert%%CTC Convolutional Turbo Codes%%in list of abbreviations

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **023**

Comment submitted by: **Michelle**

Turner

Coordination

6/15/2005

Comment Type **Editorial**

Starting Page # **10**

Starting Line # **7**

Fig/Table#

Section **5.2.3.2**

SECTION III: Recommended changes

- In 5.2.3.2 please correct the following sentence to read as follows:

Replace Figure 11with the following Figure:

Suggested Remedy

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **024**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **10**

Starting Line # **10**

Fig/Table#

Section **5.2.3.2**

DVJ14(subclause=5.2.3.2,page=10,line=10):
Incorrect table ruling.

Suggested Remedy

Use thin and very thin.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **025**

Comment submitted by: Pieter-Paul

Giesberts*

Member

7/10/2005

Comment Type **Editorial**

Starting Page # **10**

Starting Line # **43**

Fig/Table#

Section **5.2.4.1**

[*Identical comment submitted by Pieter-Paul Giesberts and Richard van Leeuwen]

Typo

Suggested Remedy

Change text as indicated below:

"transmitted"

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **026**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **11** Starting Line # **13** Fig/Table# Section **5.2.5.2**

DVJ15(subclause=5.2.5.2,page=11,line=13):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Destination

==>

destination

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **027**

Comment submitted by: Pieter-Paul

Giesberts*

Member

7/10/2005

Comment Type **Editorial**

Starting Page # **11**

Starting Line # **16**

Fig/Table#

Section **5.2.5.2**

[*Identical comment submitted by Pieter-Paul Giesberts and Richard van Leeuwen]

Typo

Suggested Remedy

Change text as indicated below:

"transmitted"

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **028**

Comment submitted by: Jaehwan

Chang

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **14** Starting Line # **45** Fig/Table# **5** Section **6.3.2.1.1**
 The polynomial being divided is not to be multiplied by D^8 to be consistent with the former description and the example in the same table.

Suggested Remedy

[Insert the following in line 45 of page 14 in Cor1/D3]

Change the description field of HCS in Table 5 as indicated.

Header Check Sequence

An 8-bit field used to detect errors in the header. The transmitter shall calculate the HCS value for the first five bytes of the cell header, and insert the result into the HCS field (the last byte of the MAC header). It shall be the remainder of the division (Modulo 2) by the generator polynomial $g(D)=D^8+D^2+D+1$ of the polynomial ~~D^8~~ multiplied given by the content of the header excluding the HCS field. (Example: [HT EC Type]=0x80, BR=0xAAAA, CID=0x0F0F; HCS should then be set to 0xD5).

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Withdrawn

Reason for Group's Decision/Resolution

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **029**

Comment submitted by: Havish

Koorapaty

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **15** Starting Line # **3** Fig/Table# Section **6.3.2.1.1**

In section 6.3.2.1.1 of 802.16-2004, the current interpretation for MAC management messages is a type of all 0's. The MAC management messages rely on a generic MAC header and provide the management message type in the payload. The types described in Table 5 do not provide information on a MAC management message. The only possible alternative is 0 which is not mentioned.

Suggested Remedy

Insert the following changes to section 6.3.2.1.1 into the corrigendum:

Add another Type definition of 0 which refers to MAC management messages that use a generic MAC header.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Withdrawn**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **030**

Comment submitted by: Joel

Demarty

Member

7/10/2005

Comment Type **Editorial** Starting Page # **15** Starting Line # **5** Fig/Table# Section **6.3.2.2.4**

The text regarding the ARQ feedback payload bit is ambiguous because it does not clearly state that it is not related at all to the ARQ Feedback payload contained inside a ARQ Feedback message.

Suggested Remedy

[In P802.16-2004/Cor1/D3, page 15, line 5, insert the following text]

6.3.2.2.4 ARQ feedback

If the ARQ Feedback Payload bit in the MAC Type field (see Table 6) is set, the ARQ Feedback Payload shall be transported. If packing is used, it shall be transported as the first packed payload. See 6.3.3.4.3. Note that this bit does not address the ARQ Feedback payload contained inside an ARQ Feedback message.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

[In P802.16-2004/Cor1/D3, page 15, line 5, insert the following text]

6.3.2.2.4 ARQ feedback

If the ARQ Feedback Payload bit in the MAC Type field (see Table 6) is set, the ARQ Feedback Payload shall be transported. If packing is used, it shall be transported as the first packed payload. See 6.3.3.4.3. Note that this bit does not address the ARQ Feedback payload contained inside an ARQ Feedback message.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **031**

Comment submitted by: Havish

Koorapaty

Other

7/10/2005

Comment Type **Editorial** Starting Page # **15** Starting Line # **29** Fig/Table# Section **6.3.2.1.2**

All the fields in Table 7 of 802.16-2004 provide a value for the elements except for Type which is mentioned in the description above

Suggested Remedy

Insert the following changes to Table 7 of 802.16-2004 into the corrigendum:

Add the following to Table 7

Type "000" for incremental and "001" for aggregate.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Indicated by bullet (e) in second paragraph above Table 7 in Baseline standard

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **032**

Comment submitted by: **Lei**

Wang

Member

7/10/2005

Comment Type **Technical, Satisfied (was** Starting Page # **15** Starting Line # **62** Fig/Table# Section **6.3.2.2.6**

The fast feedback messages defined in 8.4.5.10 are all per SS, not per connection, then the description given in 6.3.2.2.6 about the the fast feedback subheader is incorrect.

Suggested Remedy

change the first sentence of the paragraph like this:

Defines the offset, in units of slots, from the beginning of the FAST-FEEBACK uplink bandwidth allocation (8.4.5.4.9), of the slot in which the SS servicing the CID appearing in the MAC generic header, must send an FAST-FEEBACK feedback message ~~for the connection associated with the CID value.~~

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

change the first sentence of the paragraph like this:

Defines the offset, in units of slots, from the beginning of the FAST-FEEBACK uplink bandwidth allocation (8.4.5.4.9), of the slot in which the SS servicing the CID appearing in the MAC generic header, must send an FAST-FEEBACK feedback message ~~for the connection associated with the CID value.~~

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **033**

Comment submitted by: **Lei**

Wang

Member

7/10/2005

Comment Type **Technical, Satisfied (was** Starting Page # **15** Starting Line # **63** Fig/Table# Section **6.3.2.2.6**

The fast feedback allocation subheader is allocating the fast feedback slot to the individual SS, where fast feedback slots are the OFDMA slots in the fast feedback channel region which is allocated by the Fast Feedback allocation IE with UIUC=10. Because the UL-MAP for the OFDMA is for the next frame, the fast feedback subheader allocation shall be for the next frame too.

The original text was correct. But for some reason, it was changed to "two frames of the current frame". How can an allocation refers to a frame ahead of the current frame?

Suggested Remedy

roll back to the original text, i.e., "of the next frame.", and delete "two frames ahead of the current frame".

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

Change "two frames ahead of the current frame" to "two frames after the frame including the fast feedback allocation subheader"

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **034**

Comment submitted by: **David**

James

Member

7/8/2005

Comment	Type	Starting Page #	Starting Line #	Fig/Table#	Section
	Editorial, Binding	16	2		6.3.2.3

DVJ16(subclause=6.3.2.3,page=16,line=2):
English words should not be capitalized simply because their meaning is different from normal English usage.

Suggested Remedy

Management messages
==>
management messages

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Management messages
==>
management messages

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **035**

Comment submitted by: David

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **16** Starting Line # **6** Fig/Table# Section **6.3.2.3**

DVJ17(subclause=6.3.2.3,page=16,line=6):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Management messages
==>
management messages

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Management messages
==>
management messages

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **036**

Comment submitted by: Havish

Koorapaty

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **16** Starting Line # **22** Fig/Table# Section **6.3.2.3**

The text says "Change the value under "Connection" column from "Broadcast" to "Fragmentable Broadcast" for UCD and DCD fields." However, fragmentable broadcast connection is not defined.

Suggested Remedy

Define fragmentable broadcast connection as follows:

Fragmentable broadcast connection is a connection that allows SDU fragmentation.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

The definition can be found page 180, line 25. Just add a reference to it.

Resolution of Group

Decision of Group: Withdrawn

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **037**

Comment submitted by: David

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **16** Starting Line # **31** Fig/Table# Section **6.3.2.3**

DVJ18(subclause=6.3.2.3,page=16,line=31):
Please put (bits) in the header, not in all cells.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

Reason for rejection:

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

Motion to reject all comment which suggests to put (bits) in the header, not in all cells.

by Itzik Kitroser, seconded by David Castelow

(comments: 037, 040, 044, 047, 059, 067, 070, 075, 186, 196, 241, 245, 259, 264, 267, 272, 277, 291, 295, 298, 306, 317, 320, 324, 330, 333, 336, 344, 352, 360, 365)

Vote to accept the motion:

In favor: 5

Against: 0

Passes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **038**

Comment submitted by: David

James

Member

7/8/2005

Comment	Type	Editorial, Binding	Starting Page #	16	Starting Line #	31	Fig/Table#	Section	6.3.2.3
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DVJ20(subclause=6.3.2.3,page=16,line=31):
Table columns containing single word, numbers, or sentence fragments should be centered.

Suggested Remedy

Center the column under header: Size

Proposed Resolution **Recommendation:** **Recommendation by**

Reason for Recommendation

Resolution of Group **Decision of Group: Rejected**

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

Motion by Itzik kitroser, seconded by Lei Wang to reject all comments which suggest to change alignment of columns in tables that exists in the baseline standard

comments:
038,041,043,049,058,066,071,074,185,243,244,258,263,268,273,276,
292,294,297,305,316,319,325,328,329,335,345,351,361,364,429,430,
436,438,

Vote:

In favor: 10

Against:0

Passes

Group's Action Items

Editor's Notes **Editor's Actions**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **039**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **16** Starting Line # **33** Fig/Table# Section **6.3.2.3**

DVJ19(subclause=6.3.2.3,page=16,line=33):

Please put dash in empty cells.

I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **040**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **17** Starting Line # **31** Fig/Table# Section **6.3.2.3.2**

DVJ21(subclause=6.3.2.3.2,page=17,line=31):
Please put (bits) in the header, not in all cells.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

Reason for rejection:

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ1

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **041**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **17**

Starting Line # **31**

Fig/Table#

Section **6.3.2.3.2**

DVJ23(subclause=6.3.2.3.2,page=17,line=31):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Size

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **042**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **17**

Starting Line # **32**

Fig/Table#

Section **6.3.2.3.2**

DVJ22(subclause=6.3.2.3.2,page=17,line=32):

Please put dash in empty cells.

I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **043**

Comment submitted by: David

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **19** Starting Line # **9** Fig/Table# Section **6.3.2.3.4**

DVJ26(subclause=6.3.2.3.4,page=19,line=9):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Size

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **044**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **19** Starting Line # **10** Fig/Table# Section **6.3.2.3.4**

DVJ24(subclause=6.3.2.3.4,page=19,line=10):
Please put (bits) in the header, not in all cells.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

Reason for rejection:

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ1

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **045**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **19** Starting Line # **10** Fig/Table# Section **6.3.2.3.4**

DVJ25(subclause=6.3.2.3.4,page=19,line=10):
Please put dash in empty cells.
I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **046**

Comment submitted by: Yigal

Leiba

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **19** Starting Line # **54** Fig/Table# Section **6.3.2.3.4**

The sentence:

"Each UL-MAP message not used in OFDMA PHY shall contain at least one IE that marks the end of the last allocated burst."
Is not clear

Suggested Remedy

Change the sentence to the following:

"Each UL-MAP message (except when the PHY layer is OFDMA PHY) shall contain at least one IE that marks the end of the last allocated burst."

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Change the sentence to the following:

"Each UL-MAP message (except when the PHY layer is OFDMA PHY) shall contain at least one IE that marks the end of the last allocated burst."

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **047**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **20** Starting Line # **15** Fig/Table# Section **6.3.2.3.5**

DVJ27(subclause=6.3.2.3.5,page=20,line=15):
Please put (bits) in the header, not in all cells.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

Reason for rejection:

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ1

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **048**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **20** Starting Line # **15** Fig/Table# Section **6.3.2.3.5**

DVJ28(subclause=6.3.2.3.5,page=20,line=15):
Please put dash in empty cells.
I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **049**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **20** Starting Line # **15** Fig/Table# Section **6.3.2.3.5**

DVJ29(subclause=6.3.2.3.5,page=20,line=15):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Size

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **050**

Comment submitted by: Pieter-Paul

Giesberts*

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **21** Starting Line # **49** Fig/Table# Section **6.3.2.3.8**

[*Identical comment submitted by Pieter-Paul Giesberts and Richard van Leeuwen]

There is an inconsistency in 802.16:

TLV of Convergence Sublayer Capabilities (e.g. PHS Support (11.7.7.3)) defines as scope REG-REQ and REG-RSP.

However, the 6.3.2.3.8 Registration response (REG-RSP) message describing the parameters for REG-RSP does not mention the use of Convergence Sublayer Capabilities parameters.

Suggested Remedy

Insert the following text in 6.3.2.3.8 Registration response (REG-RSP) message between the description between "Vendor ID encoding" and "ARQ Parameters".

"Convergence Sublayer Capabilities (11.7.7)"

Response to the capabilities of the requester provided in the REG-REQ. Included in the response if the request included Convergence Sublayer Capabilities information. The response indicates whether or not the capabilities may be used. If a capability is not recognized, the response indicates that this capability shall not be used by the requester. Capabilities returned in the REG-RSP shall not be set to require greater capability of the requester than is indicated in the REG-REQ."

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Insert the following text in 6.3.2.3.8 Registration response (REG-RSP) message between the description between "Vendor ID encoding" and "ARQ Parameters".

"Convergence Sublayer Capabilities (11.7.7)"

Response to the capabilities of the requester provided in the REG-REQ. Included in the response if the request included Convergence Sublayer Capabilities information. The response indicates whether or not the capabilities may be used. If a capability is not recognized, the response indicates that this capability shall not be used by the requester. Capabilities returned in the REG-RSP shall not be set to require greater capability of the requester than is indicated in the REG-REQ."

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

8/10/2005

IEEE 802.16-05/042r5

Editor's Notes Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **051**

Comment submitted by: Thomas

Li

Member

7/10/2005

Comment Type **Technical, Satisfied (was**

Starting Page # **22**

Starting Line # **57**

Fig/Table#

Section **6.3.2.3.9.5**

In the current IEEE16-2004, a new TEK and an old TEK are included in the Key Reply Message according to the current procedure of the TEK updating, which is redundancy in many cases.

Suggested Remedy

Adopt the remedy shown in the contribution "C80216maint-05_127" .

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Withdrawn**

Reason for Group's Decision/Resolution

Group's Notes

J

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **052**

Comment submitted by: Giulio

Cavalli

Other

7/10/2005

Comment	Type Editorial	Starting Page # 23	Starting Line # 8	Fig/Table#	Section 6.3.2.3.11
---------	-----------------------	---------------------------	--------------------------	------------	---------------------------

The Service Flow Error Set has been deleted, so no mandatory content exist in case of unsuccessful transaction.

Suggested Remedy

At page 23, line 8 of section 6.3.2.3.11, modify as indicated below (changes are in red):

Delete the mandatory content of DSA-RSP in case of unsuccessuf transaction and the explanation text of the 'Service Flow Error Set' field:

~~If the transaction is unsuccessful, the DSA-RSP shall include:~~

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

At page 23, line 8 of section 6.3.2.3.11, modify as indicated below (changes are in red):

Delete the mandatory content of DSA-RSP in case of unsuccessful transaction and the explanation text of the 'Service Flow Error Set' field:

~~If the transaction is unsuccessful, the DSA-RSP shall include:~~

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **053**

Comment submitted by: Giulio

Cavalli

Other

7/10/2005

Comment Type **Editorial** Starting Page # **23** Starting Line # **45** Fig/Table# Section **6.3.2.3.14**

The Service Flow Error Set has been deleted, so no mandatory content exist in case of unsuccessful transaction.

Suggested Remedy

At page 23, line 45 of section 6.3.2.3.14, modify as indicated below :

Delete the mandatory content of DSC-RSP in case of unsuccessuf transaction and the explanation text of the 'Service Flow Error Set' field.

~~If the transaction is unsuccessful, the DSC-RSP shall contain the following:~~

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

At page 23, line 45 of section 6.3.2.3.14, modify as indicated below :

Delete the mandatory content of DSC-RSP in case of unsuccessful transaction and the explanation text of the 'Service Flow Error Set' field.

~~If the transaction is unsuccessful, the DSC-RSP shall contain the following:~~

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **054**

Comment submitted by: Pieter-Paul

Giesberts*

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **24** Starting Line # **5**

Fig/Table#

Section

6.3.2.3.20

[*Identical comment submitted by Pieter-Paul Giesberts and Richard van Leeuwen]

Section describes a message, not a mechanism.

Suggested Remedy

Change text as follows:

"This ~~mechanism message~~ is not applicable to OFDMA PHY."

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Change text as follows:

"This ~~mechanism message~~ is not applicable to OFDMA PHY."

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **055**

Comment submitted by: Pieter-Paul

Giesberts*

Member

7/10/2005

Comment Type **Technical, Non-binding**

Starting Page # **24**

Starting Line # **27**

Fig/Table#

Section

6.3.2.3.21

[*Identical comment submitted by Pieter-Paul Giesberts and Richard van Leeuwen]

Section describes a message, not a mechanism.

Suggested Remedy

Change text as follows:

"This ~~mechanism message~~ is not applicable to OFDMA PHY."

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Change text as follows:

"This ~~mechanism message~~ is not applicable to OFDMA PHY."

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **056**

Comment submitted by: Giulio

Cavalli

Other

7/10/2005

Comment Type **Editorial**

Starting Page # **24**

Starting Line # **43**

Fig/Table#

Section

6.3.2.3.23

The description of the optional parameters in the SBC message is misleading.

Suggested Remedy

page 24, line 43 chapter 6.3.2.3.23 change the sentence as follow:

The following parameters may be included:

___ Capabilities for Construction and Transmission of MAC PDUs (see 11.8.2):

___ PKM flow control (see 11.8.4)

___ Authorization Policy Support (see 11.8.5)

___ Maximum number of supported security association (see 11.8.6)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **057**

Comment submitted by: Pieter-Paul

Giesberts*

Member

7/10/2005

Comment Type **Editorial**

Starting Page # **25**

Starting Line # **52**

Fig/Table#

Section **6.3.2.3.34**

[*Identical comment submitted by Pieter-Paul Giesberts and Richard van Leeuwen]

There is a "-"symbol in front of the (struck-out) "SS downlink management message", which is not closed until after "parameter" (line 55). Suggest to either remove both symbols or to draw them around FPC processing time (preferred solution).

Suggested Remedy

Change text as follows (changes in red):

"SSs shall apply the indicated change within the ~~"SS downlink management message~~ FPC processing time". If the SS cannot apply the commanded power correction (SS is already at maximum or minimum power) the SS shall send a RNG-REQ message with "Ranging Anomalies" parameter". FPC shall be sent on the broadcast CID. This message shall only apply to SCa, OFDM, and OFDMA PHY specifications. See Table 64. Implementation of FPC message at BS is optional."

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **058**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **27** Starting Line # **9** Fig/Table# Section **6.3.2.3.43.2**

DVJ33(subclause=6.3.2.3.43.2,page=27,line=9):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Size

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **059**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **27** Starting Line # **10** Fig/Table# Section **6.3.2.3.43.2**

DVJ31(subclause=6.3.2.3.43.2,page=27,line=10):
Please put (bits) in the header, not in all cells.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

Reason for rejection:

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ1

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **060**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **27** Starting Line # **17** Fig/Table# Section **6.3.2.3.43.2**

DVJ32(subclause=6.3.2.3.43.2,page=27,line=17):

Please put dash in empty cells.

I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **061**

Comment submitted by: David

James

Member

7/8/2005

Comment	Type	Editorial, Binding	Starting Page #	27	Starting Line #	20	Fig/Table#	Section	6.3.2.3.43.2
---------	------	--------------------	-----------------	----	-----------------	----	------------	---------	--------------

DVJ30(subclause=6.3.2.3.43.2,page=27,line=20):
 Binary numbers must be clearly differentiated from decimal.
 I prefer to use subscript(2), but
 0b11 type notation is acceptable.
 I think this needs global changes.

Suggested Remedy

Change to subscript(2), for binary numbers here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Prefer to use notation of 0bxx for binary notation

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **062**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **28**

Starting Line # **26**

Fig/Table#

Section

6.3.2.3.43.2

DVJ34(subclause=6.3.2.3.43.2,page=28,line=26):

The IEEE prefers the 'x' like multiply symbol, over the dot like variety.

Suggested Remedy

Search and replace, ==> 'x'

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **063**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **28**

Starting Line # **26**

Fig/Table#

Section

6.3.2.3.43.2

DVJ35(subclause=6.3.2.3.43.2,page=28,line=26):

This minus sign is too narrow.

Suggested Remedy

Make it an en dash or symbol font.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

The change can create an inconsistent format with the baseline standard.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **064L**

Comment submitted by: Yerang

Hur

Other

7/11/2005

Comment Type **Technical, Non-binding** Starting Page # **28** Starting Line # **53**

Fig/Table# Section **6.3.2.3.43.3**

Incorrect description of Figure 22 and an incorrect field name in Figure 22.

Suggested Remedy

[Change the third paragraph as indicated:]

Figure 22 shows the decoding of reduced CID when ~~the RCID_Type is set to 3~~ [RCID 11 is used](#).

[Change the field name of RDC 11 in Figure 22 as indicated:]

~~RDC 11~~ [RCID 11](#)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

[Change the third paragraph as indicated:]

Figure 22 shows the decoding of reduced CID when ~~the RCID_Type is set to 3~~ [RCID 11 is used](#).

[Change the field name of RDC 11 in Figure 22 as indicated:]

~~RDC 11~~ [RCID 11](#)

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **065**

Comment submitted by: Jim

Carlo

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **29** Starting Line # **5** Fig/Table# Section **6.3.2.3.43.6.1**

HARQ with 16QAM and 64QAM and corresponding physical layer signaling has been defined in the current IEEE16-2004 and should be consistent with study in 3GPP.

Suggested Remedy

Adopt the remedy shown in the contribution "C80216maint-05_126" (Li Tao)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

The contribution introduces an enhancements rather than fixing an errors in the standard

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **066**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **29** Starting Line # **27** Fig/Table# Section **6.3.2.3.43.6.4**

DVJ38(subclause=6.3.2.3.43.6.4,page=29,line=27):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Size

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **067**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **29** Starting Line # **28** Fig/Table# Section **6.3.2.3.43.6.4**

DVJ36(subclause=6.3.2.3.43.6.4,page=29,line=28):
Please put (bits) in the header, not in all cells.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

Reason for rejection:

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ1

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **068**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **29** Starting Line # **28** Fig/Table# Section **6.3.2.3.43.6.4**

DVJ37(subclause=6.3.2.3.43.6.4,page=29,line=28):

Please put dash in empty cells.

I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **069**

Comment submitted by: **Lei**

Wang

Member

7/10/2005

Comment Type **Editorial**

Starting Page # **29**

Starting Line # **35**

Fig/Table#

Section **6.3.2.3.43.6.4**

missing "IE" after DL-MAP

Suggested Remedy

change "DL-MAP Type" to "DL-MAP IE Type"

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **070**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **31** Starting Line # **9** Fig/Table# Section **6.3.2.3.43.7.4**

DVJ39(subclause=6.3.2.3.43.7.4,page=31,line=9):
Please put (bits) in the header, not in all cells.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

Reason for rejection:

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ1

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **071**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **31**

Starting Line # **9**

Fig/Table#

Section

6.3.2.3.43.7.4

DVJ41(subclause=6.3.2.3.43.7.4,page=31,line=9):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Size

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **072**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **31** Starting Line # **10** Fig/Table# Section **6.3.2.3.43.7.4**

DVJ40(subclause=6.3.2.3.43.7.4,page=31,line=10):

Please put dash in empty cells.

I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **073L**

Comment submitted by: Yerang

Hur

Other

7/11/2005

Comment Type **Technical, Non-binding** Starting Page # **32** Starting Line # **41**

Fig/Table# Section **6.3.7.4.3.1**

Request IE is not used for 802.16 OFDMA PHY, in which CDMA bandwidth request is used.

Suggested Remedy

[Insert the following sentence at the end of the section:]

[This clause does not apply to the OFDMA PHY.](#)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

[Insert the following sentence at the end of the section:]

[This clause does not apply to the OFDMA PHY.](#)

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **074**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **32** Starting Line # **45** Fig/Table# Section **6.3.2.3.43.7.8**

DVJ44(subclause=6.3.2.3.43.7.8,page=32,line=45):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Size

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **075**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **32** Starting Line # **46** Fig/Table# Section **6.3.2.3.43.7.8**

DVJ42(subclause=6.3.2.3.43.7.8,page=32,line=46):
Please put (bits) in the header, not in all cells.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

Reason for rejection:

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ1

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **076**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **32** Starting Line # **46** Fig/Table# Section **6.3.2.3.43.7.8**

DVJ43(subclause=6.3.2.3.43.7.8,page=32,line=46):

Please put dash in empty cells.

I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **077**

Comment submitted by: Havish

Koorapaty

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **33** Starting Line # **32** Fig/Table# Section **6.3.3.3.1**

In section 6.3.3.3.1 in 802.16-2004, it says "For non-ARQ connections, fragments are transmitted once and in sequence. The sequence number assigned to each fragment allows the receiver to recreate the original payload and to detect the loss of any intermediate packets."

What is meant by packet here? PHY layer packet?

Suggested Remedy

Insert corrections into the corrigendum to modify the beginning of section 6.3.3.3.1 according to one of the following alternatives.

Alternative #1: For non-ARQ connections, fragments are transmitted once and in sequence. The sequence number assigned to each fragment allows the receiver to recreate the original payload and to detect the loss of any intermediate physical layer packets.

Alternative #2: For non-ARQ connections, fragments are transmitted once and in sequence. The sequence number assigned to each fragment allows the receiver to recreate the original payload and to detect the loss of any intermediate fragment.

Proposed Resolution

Recommendation:

Recommendation by

Correct as follows:

"For non-ARQ connections, fragments are transmitted once and in sequence. The sequence number assigned to each fragment allows the receiver to recreate the original payload and to detect the loss of any intermediate ~~packets~~ SDUs."

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted-Modified**

Page 33, line 32, section 6.3.3.3.1, Change the sentence as follows:

For non-ARQ connections, fragments are transmitted once and in sequence. The sequence number assigned to each fragment allows the receiver to recreate the original payload and to detect the loss of any intermediate ~~packets~~ fragments.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3** Ballot Number: **0001008** Comment Date

Comment # **078** Comment submitted by: **Ilan Zohar** Member 7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **33** Starting Line # **34** Fig/Table# Section **6.3.3.5**

CRC32 definition clarification

Suggested Remedy

CRC32 is ubiquitous ,e.g. it is used in 802.3, 802.11 systems as well as other contexts. The defintion, however, in these contexts relies on understanding of the contexts and not only the "CRC definition" in those standards.

Proposed Resolution Recommendation: Recommendation by

Reason for Recommendation

Resolution of Group Decision of Group: **Accepted-Modified**

Adopt contribution **C80216maint-05_136r6**

Reason for Group's Decision/Resolution

Vote to accept the comment as modified:

In favor: 22

Against:0

Abstain: 7

Passes

Group's Notes

D

Group's Action Items

Editor's Notes Editor's Actions **k) done**

Added (Hex) before examples to indicate Hexadecimal values

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **079**

Comment submitted by: Havish

Koorapaty

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **33** Starting Line # **35** Fig/Table# Section **6.3.3.3**

The text at the beginning of section 6.3.3.3 in 802.16-2004 says "Fragmentation is the process by which a MAC SDU is divided into one or more MAC PDUs". According to Figure 32 (pg 129), fragmentations from multiple SDUs can go into a single PDU, hence, this definition is not consistent with the example in Figure 32, or vice versa.

Suggested Remedy

The resolution is to fix one or the other, or add more clarification. Add the following corrections to the corrigendum.

Modify the first sentence of 6.3.3.3 as:

Fragmentation is the process by which a MAC SDU is divided into one or more MAC PDUs (note it is possible that a single MAC PDU can consist of fragments from more than one MAC SDU).

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Withdrawn**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **080**

Comment submitted by: Giulio

Cavalli

Other

7/10/2005

Comment Type **Editorial**

Starting Page # **33**

Starting Line # **38**

Fig/Table#

Section **6.3.3.3**

Values of the third figures of 11.13.X TLVs have been already assigned in the previous meeting.

Suggested Remedy

At page 33, line 38 in section 6.3.3.3, modify the last sentence of the paragraph as shown in the following (changes are in red):

The size of the FSN used on non-ARQ fragmentable transport connections is determined during connection set-up (see 11.13.X22).

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **081**

Comment submitted by: Havish

Koorapaty

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **33** Starting Line # **39** Fig/Table# Section **6.3.3.3**

The text says "The fragmentable broadcast connection shall use 11-bit FSN. BS and SS shall support 11-bit FSN." However, fragmentable broadcast connection is not defined.

Suggested Remedy

Define fragmentable broadcast connection as follows:

Fragmentable broadcast connection is a connection that allows SDU fragmentation.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

Section 6.3.3.3 (802.16-2004)

Change the first sentence of first paragraph as follows:

"Fragmentation is the process by which a MAC SDU (or MAC management message) is divided into"

Section 3, definition 3.9, change:

3.9 broadcast connection: the management connection used by the BS to send MAC management messages on a downlink to all subscriber station (SS). The broadcast connection is identified by a wellknown CID (See Table 345). A fragmentable broadcast connection is a connection that allows fragmentation of broadcast MAC management messages.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **082**

Comment submitted by: Havish

Koorapaty

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **33** Starting Line # **41** Fig/Table# Section **6.3.3.3**

The text says "The size of the FSN used on non-ARQ fragmentable transport connections is determined during connection set-up (see 11.13.X)." However fragmentable transport connection is not defined.

Suggested Remedy

Define fragmentable transport connection as follows:

Fragmentable transport connection is a connection that allows SDU fragmentation.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

Section 3, definition 3.60, change:

3.60 transport connection: A connection used to transport user data. It does not include any traffic over either the basic, primary or secondary management connections. A fragmentable transport connection is a connection that allows fragmentation of SDUs.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **083**

Comment submitted by: Jungnam

Yun

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **33** Starting Line # **43** Fig/Table# Section **6.3.3.5**

In the standard, it is mentioned that CRC-32 defined in IEEE802.3 shall be used. In IEEE802.3, CRC input starts from the LSB of each incoming byte because transmit bits are located LSB first in each byte. However, in IEEE 802.16, transmit bits are located MSB first. So, it would be better if the clarification is added to clear all ambiguity.

Suggested Remedy

modify the second sentence of section 6.3.3.5 in IEEE802.16-2004. (p.127) as below.

In this case, for each MAC PDU with HT=0, a CRC (as defined in IEEE Std 802.3 with CRC input starting from MSB of each incoming bytes), shall be appended to the payload of the MAC PDU.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Superceded**

Reason for Group's Decision/Resolution

By comment# 78

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**Ballot Number: **0001008**

Comment Date

Comment # **084**Comment submitted by: **Ilan****Zohar**

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **33** Starting Line # **43** Fig/Table# **55** Section **6.3.2.3.26**

The standard allows several options around the DREG-CMD message which are not clearly defined, nor is their use-case clear at all. DREG-CMD should be used to force an MSS to de-register from the network; The other DREG codes are redundant and unclear:

0x0 = [OK, normal deregistration]

0x1 = MSS shall wait for DREG-0x0 (which means that MSS should de-register anyway!). Unclear; erroneous definition; suggest to remove

0x2 = MSS shall only transmit on non-transport CIDs. This is in contrast to the QoS model of Service Flows. Unclear use-case; suggest to remove.

0x3 = MSS shall return to normal operation. Unclear use-case. Suggest to remove.

0x4 = In response to MSS DREG-REQ. This should be merged with DREG-0x0 as they both lead to the same MSS behavior. Suggest to merge with 0x0.

Suggested Remedy

Specific changes in the standard:

[Change in section 6.3.2.3.26]

[Change in Table 55]

Remove the following lines (actions):

0x01

0x02

0x03

Change in line 0x04: **same as 0x00**

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Vote to accept the comment:

In favor: 6

Against: 4

Fails

Reason for Group's Decision/Resolution

The codes 0x01, 0x02, 0x03 are intended to enable placing the SS in management only mode (mostly useful for managed SS) therefore there is no error in the spec.

8/10/2005

IEEE 802.16-05/042r5

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **085**

Comment submitted by: Pieter-Paul

Giesberts*

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **33** Starting Line # **44** Fig/Table# Section **6.3.3.4.2**

[*Identical comment submitted by Pieter-Paul Giesberts and Richard van Leeuwen]

Clarification of packing for ARQ-enabled connections.

Suggested Remedy

Insert the following text into the corrigendum above Section 6.3.4:

"6.3.3.4 Packing

6.3.3.4.2 Packing for ARQ-enabled connections

Change the second paragraph as indicated:

"The packing of variable-length MAC SDUs for the ARQ-enabled connections is similar to that of non-ARQ connections, when fragmentation is enabled. The BSN of the Packing subheader shall be used by the ARQ protocol to identify and retransmit ~~lost fragments~~ ARQ blocks."

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

The suggested remedy confuses ARQ blocks with fragments (which may carry ARQ blocks)

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **086**

Comment submitted by: Havish

Koorapaty

Other

7/10/2005

Comment Type **Editorial** Starting Page # **33** Starting Line # **46** Fig/Table# Section **6.3.4**

The implementation of ARQ is optional. This fact is repeated twice in section 6.3.4, once at the beginning of paragraph two and once at the end of the last paragraph.

Suggested Remedy

Insert corrections into the corrigendum to delete the last sentence of section 6.3.4 in 802.16-2004 before section 6.3.4.1.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

Delete the last sentence of the last paragraph of section 6.3.4 (802.16-2004)
"~~The implementation of ARQ is optional.~~"

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **087**

Comment submitted by: Havish

Koorapaty

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **33** Starting Line # **46** Fig/Table# Section **6.3.4.2**
Below table 111 in 802.16-2004, the text says "If (ACK Type == 0x0): BSN value corresponds to the most significant bit of the first 16-bit ARQ ACK map." This comment should be further clarified as suggested.

Suggested Remedy

Insert the following changes to the text below table 111 in section 6.3.4.2 of 802.16-2004 into the corrigendum.

If (ACK Type = 0x0): The positive or negative acknowledgement of the BSN value in the message is represented by the most significant bit of the first 16-bit ARQ ACK map and follows a big-endian approach with the BSN incremented by 1 for each bit in the ARQ ACK map, following through for the subsequent ARQ ACK maps.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

Insert the following changes to the text below table 111 in section 6.3.4.2 of 802.16-2004 into the corrigendum.

If (ACK Type = 0x0): The positive or negative acknowledgement of the BSN value in the message is represented by the most significant bit of the first 16-bit ARQ ACK map and follows a MSB first approach with the BSN incremented by 1 for each bit in the ARQ ACK map, following through for the subsequent ARQ ACK maps.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **088**

Comment submitted by: **Lei**

Wang

Member

7/10/2005

Comment Type **Technical, Satisfied (was** Starting Page # **33** Starting Line # **46** Fig/Table# Section **6.3.4.3.2**

The current definition for the ARQ window size is the maximum number of unacknowledged ARQ blocks at any time. Well, with selective acknowledgement, the unacknowledged blocks can be spread over the entire ARQ BSN domain. So, correction is needed for the ARQ window size definition.

Suggested Remedy

on page 33 line 46, insert the following text:

replace section 6.3.4.3.2 as indicated:

6.3.4.3.2 ARQ_WINDOW_SIZE

ARQ_WINDOW_SIZE is the maximum number of consecutive BSNs between the BSN of the lowest unacknowledged ARQ block and the BSN of the highest unacknowledged ARQ block ~~unacknowledged ARQ blocks~~ at any given time. An ARQ block is unacknowledged if it has been transmitted but no acknowledgment has been received.

ARQ_WINDOW_SIZE shall be less than or equal to half of the ARQ_BSN_MODULUS.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

on page 33 line 46, insert the following text:

replace section 6.3.4.3.2 as indicated:

6.3.4.3.2 ARQ_WINDOW_SIZE

ARQ_WINDOW_SIZE is the maximum number of ~~unacknowledged ARQ blocks~~ with consecutive BSN in the sliding window of ARQ blocks that is managed by the receiver and the transmitter at any given time. An ARQ block is unacknowledged if it has been transmitted but no acknowledgment has been received.

ARQ_WINDOW_SIZE shall be less than or equal to half of the ARQ_BSN_MODULUS.

6.3.4.3.4 ARQ_RETRY_TIMEOUT

ARQ_RETRY_TIMEOUT is the minimum time interval a transmitter shall wait before retransmission of an

unacknowledged block for retransmission. The interval begins when the ARQ block was last transmitted.
An ARQ block is unacknowledged if it has been transmitted but no acknowledgment has been received.

Reason for Group's Decision/Resolution

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **089**

Comment submitted by: Giulio

Cavalli

Other

7/10/2005

Comment	Type	Editorial	Starting Page #	33	Starting Line #	51	Fig/Table#	Section	6.3.4.6.2
Wrong reference to ARQ_RETRY_TIMEOUT									

Suggested Remedy

Page 33, line 51, chapter 6.3.4.6.2, add the following text:

An ARQ block may be in one of the following four states—not-sent, outstanding, discarded, and waiting-for-retransmission. Any ARQ block begins as not-sent. After it is sent it becomes outstanding for a period of time termed ~~AGKARQ_RETRY_TIMEOUT~~ . While a block is in outstanding state, it is either acknowledged and discarded, or transitions to waiting-for-retransmission after ~~AGKARQ_RETRY_TIMEOUT~~ or NACK. An ARQ block can become waiting-for-retransmission before the ~~AGKARQ_RETRY_TIMEOUT~~ period expires if it is negatively acknowledged.

Proposed Resolution **Recommendation:** **Recommendation by**

Reason for Recommendation

Resolution of Group **Decision of Group: Accepted**

Page 33, line 51, chapter 6.3.4.6.2, add the following text:

An ARQ block may be in one of the following four states—not-sent, outstanding, discarded, and waiting-for-retransmission. Any ARQ block begins as not-sent. After it is sent it becomes outstanding for a period of time termed ~~AGKARQ_RETRY_TIMEOUT~~ . While a block is in outstanding state, it is either acknowledged and discarded, or transitions to waiting-for-retransmission after ~~AGKARQ_RETRY_TIMEOUT~~ or NACK. An ARQ block can become waiting-for-retransmission before the ~~AGKARQ_RETRY_TIMEOUT~~ period expires if it is negatively acknowledged.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes **Editor's Actions** k) done

Editor's Questions and Concerns

8/10/2005

IEEE 802.16-05/042r5

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **090**

Comment submitted by: Yigal

Leiba

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **33** Starting Line # **56** Fig/Table# Section **6.3.4.6.2**

The sentence in lines 56 to 58 is redundant, and even contradicts the sentences in lines 60 to 65. It seems to be a failure to completely implement the comment given during WG ballot

Suggested Remedy

Delete the sentence in lines 56 to 58.

Note also that on line 63, the text '(modulo 211)' should be '(modulo 2¹¹)'

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Delete the sentence in lines 56 to 58.

Note also that on line 63, the text '(modulo 211)' should be '(modulo 2¹¹)'

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **091**

Comment submitted by: **Giulio**

Cavalli

Other

7/10/2005

Comment Type **Editorial**

Starting Page # **33**

Starting Line # **64**

Fig/Table#

Section **6.3.4.6.2**

the modulo of BSN is not 211 but 2^{11} .

Suggested Remedy

Page 33, line 64, chapter 6.3.4.6.2 apply the following changes

... (modulo 2^{11}), ...

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **092**

Comment submitted by: David

Castelow

Member

7/10/2005

Comment Type **Technical, Satisfied (was** Starting Page # **34** Starting Line # **1** Fig/Table# **34** Section **6.3.4.6.2**

The corrigendum does not contain a solution to the following problem:
Proposal for action taken on ARQ Reset failure

When an ARQ Reset operation fails due to the number of message retransmission timer expiries exceeding the limit, Figures 34 and 35 specify that the MAC shall be re-initialised. While ok for an SS, for a BS this is an excessively harsh corrective action. For example, a single SS suffers deep radio fading and the BS fails to perform an ARQ Reset as a result, the BS should NOT be reset.

Suggested Remedy

Page 34, Figure 34

It is proposed that Figures 34 and 35 are modified to specify that after an excessive number of T22 timeouts, the connection shall be closed and reopened.

Page 34, Line 39, replace text:

Error:

Re-initialize

MAC

with

Close and re-open connection

Page 35, Line 35, replace both boxes containing the text:

Error:

Re-initialize

MAC

with boxes containing:

Close and re-open connection

(Alternatively, the figures may specify that the SS shall be reset, if this is deemed to be a more acceptable change.)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

Page 34, Figure 34

It is proposed that Figures 34 and 35 are modified to specify that after an excessive number of T22 timeouts, the connection shall be closed and reopened.

Page 34, Line 39, replace text:

Error:

8/10/2005

IEEE 802.16-05/042r5

Re-initialize
MAC
with
ARQ reset error

Page 35, Line 35, replace both boxes containing the text:

Error:
Re-initialize
MAC
with boxes containing:
ARQ reset error

Insert the following sentence below figure 35:

When in ARQ reset error state in figures 34 and 35, the SS shall re-initialize its MAC, the behaviour for BS is implementation dependant.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**Ballot Number: **0001008**

Comment Date

Comment # **093**

Comment submitted by: David

Castelow

Member

7/10/2005

Comment	Type	Technical, Satisfied (was	Starting Page #	34	Starting Line #	1	Fig/Table#	34	Section	6.3.4.6.2
---------	------	---------------------------	-----------------	----	-----------------	---	------------	----	---------	-----------

The corrigendum does not contain a solution to the following problem:
Proposal for change to format of ARQ Reset message
Problem description:

Scenario:

Consider the secondary management channel to an SS, which comprises a pair of connections, one uplink and one downlink, with the same value of CID. Let ARQ be enabled on each of the connections.

Now let an ARQ Reset management message, with the Type field set to 0x0 and the CID field set to a value that identifies the above connections, be received on the associated basic management connection by the SS or BS (it does not matter which.)

Problem:

This message signals that the other party wishes to initiate an ARQ reset operation on the connection identified by the CID - however, it does not allow the affected connection to be identified. If we assume the message is received by the BS, for example, the question is: is this a transmitter-initiated reset of the uplink connection (as described in Figure 34 of 802.16-2004), or a receiver-initiated reset of the downlink connection (as described in Figure 35)? The ARQ Reset message defines only the CID, not the direction of the connection, and the context of the message does not allow the connection's direction to be deduced.

This issue does not arise with the other ARQ messages (ARQ Feedback and ARQ Discard) because they are unidirectional within an ARQ-enabled connection, and so the connection direction is implied by the direction of message transfer. ARQ Reset, however, is bidirectional and can be transmitted (unsolicited) by either transmitter or receiver.

Solution:

Firstly, it is noted that Figures 34 and 35 have been amended in Corrigendum D3, but that these amendments address the issue of collisions between simultaneous transmitter- and receiver-initiated resets, and do not resolve the problem of determining the direction of the connection.

Also, it is noted that Corrigendum D3 now mandates that no uplink and downlink transport connections shall be given the same CID, but this does not apply to the secondary management connections where the same CID *must* be used in both directions.

It is therefore proposed that one of the bits of the 6-bit 'reserved' field of the ARQ Reset message should be used as a new 1-bit field, called 'Direction', with the values 0 = Downlink and 1 = Uplink. The CID and Direction fields, taken together, shall uniquely identify the connection to which the ARQ Reset message applies, and the role of the message recipient (as transmitter or receiver) is therefore unambiguously known.

Suggested Remedy

It is therefore proposed that one of the bits of the 6-bit 'reserved' field of the ARQ Reset message should be used as a new 1-bit field, called 'Direction', with the values 0 = Downlink and 1 = Uplink. The CID and Direction fields, taken together, shall uniquely identify the

connection to which the ARQ Reset message applies, and the role of the message recipient (as transmitter or receiver) is therefore unambiguously known.

Page 25, Line 7 add the following text:

6.3.2.3.32 ARQ Reset message

Alter Table 61 as shown:

Table 61—ARQ Reset message format

Syntax	Size	Notes
ARQ_Reset_Message_Format() {		
Management Message Type = 35	8 bits	
Connection ID	16 bits	CID for which this message refers to.
Type	2 bits	00 = Original message from Initiator 01 = Acknowledgment from Responder 10 = Confirmation from Initiator 11= Reserved
<u>Direction</u>	<u>1 bit</u>	<u>0 = Downlink, 1 = Uplink.</u>
reserved	<u>65</u> bits	Shall be set to zero
}		

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

Page 25, Line 7 add the following text:

6.3.2.3.32 ARQ Reset message

Alter Table 61 as shown:

Table 61—ARQ Reset message format

Syntax	Size	Notes
ARQ_Reset_Message_Format() {		
Management Message Type = 35	8 bits	
Connection ID	16 bits	CID for which this message refers to.
Type	2 bits	<u>0b00</u> = Original message from Initiator <u>0b01</u> = Acknowledgment from Responder <u>0b10</u> = Confirmation from Initiator <u>0b11</u> = Reserved
<u>Direction</u>	<u>2 bit</u>	<u>0b00 = Reserved,</u> <u>0b01 = Uplink,</u> <u>0b10 = Downlink</u> <u>0b11 = Uplink+Downlink</u>
reserved	<u>64</u> bits	Shall be set to zero

}

—

The Direction bits shall be relevant only for Secondary management connection and shall be ignored for transport CIDs.

Reason for Group's Decision/Resolution

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**Ballot Number: **0001008**

Comment Date

Comment # **094**Comment submitted by: **Lei****Wang**

Member

7/10/2005

Comment Type **Technical, Satisfied (was** Starting Page # **34** Starting Line # **10** Fig/Table# **F34** Section **6.3.4.6.2**

There are couple of issues with Figure 34 (ARQ Reset Message Dialog -- Transmitter Initiated):

1. It shows that the transmitter may receive "ARQ reset Type =0x01 or 0x02", however, on the receiver side, there is no place showing "send ARQ reset Type 0x02";
2. The ARQ reset message dialog is supposed to be a three-way handshaking procedure, however, the confirmation message (0x02) is not actually used in the dialog.

Suggested Remedy

1. delete "or 0x02" from the reveiving box in line 30 page 34;
2. insert a send box saying "send ARQ Reset type=0x02" between "discard SDUs with blocks in discarded state" and "enable transmission" in the transmitter side;
3. in the receiver side, move the "enable reception" box after the "send ARQ reset Type=0x01"
4. in the receiver side, insert two boxes right before "Enable reception", the first one is "wait for ARQ reset type 0x02", the second one is "received ARQ reset type 0x02".

Proposed Resolution**Recommendation:****Recommendation by****Reason for Recommendation****Resolution of Group****Decision of Group: **Withdrawn******Reason for Group's Decision/Resolution****Group's Notes****D****Group's Action Items****Editor's Notes****Editor's Actions****Editor's Questions and Concerns****Editor's Action Items**

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **095**

Comment submitted by: Giulio

Cavalli

Other

7/10/2005

Comment Type **Editorial** Starting Page # **34** Starting Line # **57** Fig/Table# Section **6.3.4.6.2**

The description of the action to be taken by transmitter state machine when it shall initiate a reset are described in Figure 34 and not Figure 35.

Suggested Remedy

Page 34, line 57, chapter 6.3.4.6.2, add the following text:

Synchronization of the ARQ state machines is governed by a timer managed by the transmitter state machine. Each time *ARQ_TX_WINDOW_START* is updated, the timer is set to zero. When the timer exceeds the value of *ARQ_SYNC_LOSS_TIMEOUT*, the transmitter state machine shall initiate a reset of the connection's state machines as described in Figure ~~34~~**35**.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **096**

Comment submitted by: David

Castelow

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **35** Starting Line # **2** Fig/Table# **35** Section **6.3.4.6.2**

The corrigendum does not contain a solution to the following problem:

Proposal for ARQ Reset deadlock avoidance
Problem description:

Scenario:

Consider a connection on which a receiver-initiated ARQ Reset operation has been initiated, as depicted in Figure 35.

Let the receiver successfully send an ARQ Reset (type 0), and let the transmitter successfully respond with an ARQ Reset (type 1). Now let the receiver perform the reset operation and send an ARQ Reset (type 2) but let that message be lost in transmission.

Problem:

Under these circumstances, the transmitter remains waiting for an ARQ Reset (type 2). The receiver is not aware of the message loss and will not retransmit it, so the transmitter is deadlocked and does not perform the reset.

Suggested Remedy

Proposed solution:

Firstly, it is noted that Figures 34 and 35 have been amended in Corrigendum D3, but that these amendments address the issue of collisions between simultaneous transmitter- and receiver-initiated resets, and do not resolve the problem described here.

At page 35, alter the figure 35:

It is proposed that the receiver state machine in Figure 35 shall be extended to accept ARQ Reset (type 1) messages in addition to ARQ Reset (type 0) to initiate a reset operation. The actions taken on reception of ARQ Reset (type 1) shall be identical to those taken by the receiver in Figure 34, with the exception that the receiver shall send an ARQ Reset (type 2) on completion. The receiver is thus reset again - although this is not essential, it ensures that the receiver and transmitter resets still occur close together in time.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

8/10/2005

IEEE 802.16-05/042r5

Reason for Group's Decision/Resolution

If the transmitter doesn't receive ARQ-Reset(type 2) after it sends out ARQ-Rreset(type 1) , it will retransmit the ARQ-Rreset(type 1).

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **097**

Comment submitted by: Giulio

Cavalli

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **36** Starting Line # **39** Fig/Table# Section **6.3.4.6.3**

According to Figure 36, a timer shall not start as each block is received, but only if the BSN block does not advance the ARQ_RX_WINDOW_START.

Suggested Remedy

Page 36, line 39, chapter 6.3.4.6.3, add the following text:

~~As each block is received, a timer is started for that block.~~ When a block does not result in an advance of the ARQ_RX_WINDOW_START the ARQ_RX_PURGE_TIMEOUT for that block shall be started. When the value of the timer

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Page 36, line 39, chapter 6.3.4.6.3, add the following text:

~~As each block is received, a timer is started for that block.~~ When a block does not result in an advance of the ARQ_RX_WINDOW_START the ARQ_RX_PURGE_TIMEOUT for that block shall be started. When the value of the timer

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **098**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **37**

Starting Line # **26**

Fig/Table#

Section **6.3.5**

DVJ45(subclause=6.3.5,page=37,line=26):
Please put dash in empty cells.
I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **099**

Comment submitted by: Giulio

Cavalli

Other

7/10/2005

Comment Type **Editorial**

Starting Page # **37**

Starting Line # **61**

Fig/Table# **111**

Section **6.3.5**

The Maximum Sustained Traffic Rate TLV is explained in section 11.13.6 and not in section 11.13.8.

Suggested Remedy

In section 6.3.5, at page 37 line 61, at page 38 line 39 and at page 40 line 10, modify the content of the Meaning field of Maximum Sustained Traffic Rate line, respectively in Table 111b, Table 111c and Table 111d, as shown in the following (changes are in red):

Optional. As in 11.13.**86**

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **100**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **38** Starting Line # **9** Fig/Table# Section **6.3.5**

DVJ46(subclause=6.3.5,page=38,line=9):
Please put dash in empty cells.
I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **101**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **38**

Starting Line # **34**

Fig/Table#

Section **6.3.5**

DVJ47(subclause=6.3.5,page=38,line=34):
Please put dash in empty cells.
I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **102**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **39**

Starting Line # **13**

Fig/Table#

Section **6.3.5**

DVJ48(subclause=6.3.5,page=39,line=13):
Please put dash in empty cells.
I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **103**

Comment submitted by: Yigal

Leiba

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **41** Starting Line # **16** Fig/Table# Section **6.3.6.1**
Not clear what problem the replacement of 'shall' with 'may' is attempting to correct. Actually I believe it is introducing potential instability to the BW request mechanism, which would not exist otherwise.

Suggested Remedy

Undo the replacement of 'shall' with 'may' on line 16

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

The instruction needs to be a "may" because if you keep the "shall", the sentence reads "Every p seconds (p not defined) the SS shall request aggregate BW", so it mandates a behaviour which is not well defined.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **104**

Comment submitted by: Vladimir

Yanover

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **41** Starting Line # **22** Fig/Table# Section **6.3.6.1**

802.16-2004 text is incomplete as it does not provide for clear guidance which of BW request types [aggregate or incremental] is mandatory

Suggested Remedy

Add

Capability of incremental Bandwidth Requests is optional. Capability of agregate Bandwidth Requests is mandatory

Proposed Resolution Recommendation: Recommendation by

Reason for Recommendation

Resolution of Group Decision of Group: **Accepted-Modified**

Capability of incremental Bandwidth Requests is optional for the SS and mandatory for the BS. Capability of agregate Bandwidth Requests is mandatory for SS and BS.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **105**

Comment submitted by: Joel

Demarty

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **42** Starting Line # **6** Fig/Table# Section **6.3.7.5.3**

In OFDM TDD mode, the minimum allocation start time is incorrect. It shall take into account the round trip delay and Tproc. ATDD split is undefined and there are no constrained on it.

Suggested Remedy

[In 802.16-2004/Cor1/D3, pager 42, line 5, insert the following text]

6.3.7.5.3 WirelessMAN-OFDM PHY

Modify second bullet as indicated

— For TDD, the Allocation Start Time value shall be either the round trip delay + Tproc, ~~the ATDD split,~~ or the ATDD split + Tf; and the allocation shall be within a single frame.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

[In 802.16-2004/Cor1/D3, pager 42, line 5, insert the following text]

6.3.7.5.3 WirelessMAN-OFDM PHY

Modify second bullet as indicated

— For TDD, the Allocation Start Time value shall be either the ATDD split, or the ATDD split + Tf; and the allocation shall be within a single frame.
The allocation start time shall be no smaller than the round trip delay + Tproc.

Reason for Group's Decision/Resolution

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions k) done

8/10/2005

IEEE 802.16-05/042r5

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **106**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **42**

Starting Line # **7**

Fig/Table#

Section

6.3.7.6

DVJ49(subclause=6.3.7.6,page=42,line=7):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Support of Wireless
==>
support of wireless

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Change only the capitalization of "Support" since the "wireless" is part of "WirelessMAN"

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **107**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **42**

Starting Line # **28**

Fig/Table#

Section **6.3.8**

DVJ50(subclause=6.3.8,page=42,line=28):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Contention

==>

contention

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

At least the first word in the title should be capitalized

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **108**

Comment submitted by: Giulio

Cavalli

Other

7/10/2005

Comment Type **Editorial** Starting Page # **42** Starting Line # **39** Fig/Table# Section **6.3.9**

The description of Nentwork Entry does not take into account that the Authentication/Encryption step can be by-passed when at least SS or BS do not support Authentication/Encryption.

Suggested Remedy

page 42, line 39, chapter 6.3.9 add the following text

- i) Transfer operational parameters
- j) Set up connections

Implementation of phase e) is optional. This phase should be performed if both SS and BS support Authorization Policy.
Implementation of phases g),h), and i) at the SS is optional.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

page 42, line 39, chapter 6.3.9 add the following text

- i) Transfer operational parameters
- j) Set up connections

Implementation of phase e) is optional. This phase shall be performed if both SS and BS support Authorization Policy.
Implementation of phases g),h), and i) at the SS is optional.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **109**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **42** Starting Line # **51** Fig/Table# Section **6.3.7.6**

DVJ51(subclause=6.3.7.6,page=42,line=51):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Channel

==>

channel

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

Did not find the required word to change

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **110**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **44** Starting Line # **51** Fig/Table# Section **6.3.9.5.1**

DVJ52(subclause=6.3.9.5.1,page=44,line=51):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Initial

==>

initial

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **111**

Comment submitted by: David

Castelow

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **45** Starting Line # **10** Fig/Table# Section **6.3.9.5.1**

In Cor1/D3 there is no mention of the following problem.

802.16-2004 Page 175, paragraph 6:

In the case that the EIRxPIR,max and/or BS_EIRP are/is not known, the SS shall start from the minimum transmit power level defined by the BS.

There is no parameter that the BS transmits, e.g. in the DCD, that informs the SS of the minimum transmit power level. As it is mandatory that the DCD contains both BS_EIRP and the EIRxPIR,max, then the sentence can be deleted.

Suggested Remedy

At page 45, line 10, add the following:

Delete the seventh paragraph as indicated:

~~In the case that the EIRxPIR,max and/or BS_EIRP are/is not known, the SS shall start from the minimum transmit power level defined by the BS.~~

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

At page 45, line 10, add the following:

Modify the seventh paragraph as indicated:

In the case that the EIRxPIR,max and/or BS_EIRP are/is not known, the SS shall start from ~~the~~its minimum transmit power level ~~defined by the BS.~~

Reason for Group's Decision/Resolution

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **112**

Comment submitted by: **Giulio**

Cavalli

Other

7/10/2005

Comment Type **Editorial**

Starting Page # **47**

Starting Line # **55**

Fig/Table# **66**

Section **6.3.9.7**

In order to make the document consistent, the figure 66 anf figura 70 shall be updated according to changes in paragraph 6.3.9.8 where it is stated that "If PKM is enabled the BS and SS shall perform authorization and key exchange"

Suggested Remedy

Adopt changes in document C80216maint-05_122.pdf

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Adopt changes in document C80216maint-05_122.pdf

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **113**

Comment submitted by: Jung Je

Son

Member

7/10/2005

Comment Type **Technical, Satisfied (was** Starting Page # **48** Starting Line # Fig/Table# Section **6.3.9**

In current draft, there is no way to reset the system and force MSs to re-enter for reset of BS. When a BS is reset, its associated information will be expired and removed. Therefore, BS cannot inform each MS to re-enter with CID. And one time broadcast message for forcing MSs to re-enter is not good solution since some MS not receiving that will conflict with wrong CID to system continuously. We need better way.

Suggested Remedy

Discuss and Adopt C80216maint-05_134.doc or latest version

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Vote to accept the comment:

In favor: 6

Against: 12

Fails

Reason for Group's Decision/Resolution

1) this is clearly an enhancement and do not fix any problem in the standard

2) I don't think the proposed scheme is needed anyway (the SS will lose DL synch during the BS reboot and/or the SS won't be known by the BS after reboot and thus all SS will reboot after T3 or T4, etc...)

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **114**

Comment submitted by: **Lei**

Wang

Member

7/10/2005

Comment Type **Technical, Satisfied (was** Starting Page # **48** Starting Line # **32** Fig/Table# Section **6.3.9.7**
Timer T9 shall be stopped once the BS receives the SBC-REQ from the SS during network entry process.

Suggested Remedy

see contribution C80216maint-05_118 (Modified Figure 67).

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

Adopt contribution C80216maint-05_118 (Modified Figure 67) without changing the figure caption.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**Ballot Number: **0001008**

Comment Date

Comment # **115**

Comment submitted by: Joel

Demarty

Member

7/10/2005

Comment	Type	Technical, Non-binding	Starting Page #	52	Starting Line #	5	Fig/Table#	Section	6.3.10.2
---------	------	------------------------	-----------------	----	-----------------	---	------------	---------	----------

In 802.16-2004, in the context of periodic ranging, the text describing what the SS is supposed to do when it receives a bandwidth grant is rather ambiguous.

Does the SS need to send a RNG-REQ in every burst after the last RNG-RSP continue or only the first one after it ?
When the last status is continue and after transmitting a RNG-REQ, does the SS have the right to use the remaining bandwidth to service its uplink data queues ?

The text should be clarified.

Suggested Remedy

[In P802.16-2004, page 52, line 5 add the following text]

Modify the 6th point as indicated

6) The SS shall respond to each uplink bandwidth grant addressed to it. When the status of the last RNG-RSP message received is continue, the RNG-REQ message shall be included in **the every** transmitted burst. ~~When the status of the last RNG-RSP message received is success,~~ Whatever the status of the last RNG-RSP message received, the SS shall use the grant to service its pending uplink data queues. If no data is pending, the SS shall respond to the grant by transmitting a block of padded data.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted-Modified**

Adopt contribution C80216maint-05_147r1

Reason for Group's Decision/Resolution

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

8/10/2005

IEEE 802.16-05/042r5

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**Ballot Number: **0001008**

Comment Date

Comment # **116**

Comment submitted by: Joel

Demarty

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **52** Starting Line # **55** Fig/Table# **84** Section **6.3.10.2**

Fast Power Control message and Power Control IE as similar in essence to RNG-REQ with corrections (status=continue). However there is no mention of these ranging messages in the paragraph addressing the uplink periodic ranging process.

The text and figure 84 should clarify it.

Suggested Remedy

[In 802.16-2004/Cor1/D3, page 52, line 55, insert the following text:]

Replace Figure 84 with the following figure:

[Copy figure 84 from the standard and add the following two parts:]

```
( OPERATIONAL)
 |
> FPC_REQ ]
 |
[ Set continue as Status ]
 |
V
< Status = abort ? >
```

```
( OPERATIONAL)
 |
> UL-MAP Power Control IE ]
 |
[ Set continue as Status ]
 |
V
< Status = abort ? >
```

8/10/2005

IEEE 802.16-05/042r5

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: [Superseded](#)

Reason for Group's Decision/Resolution

[By comment #115](#)

Group's Notes

[D](#)

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **117**

Comment submitted by: Joel

Demarty

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **52** Starting Line # **55** Fig/Table# **84** Section **6.3.10.2**

The standard has the notion of invited ranging opportunities however it is not clear that in periodic ranging the BS has the right to use invited ranging opportunities (initial ranging IE addressed to the SS basic CID). It's implicitly allowed in the BS FSMs (figure 82 & 83) but it's not mentioned on the SS side (figure 84).

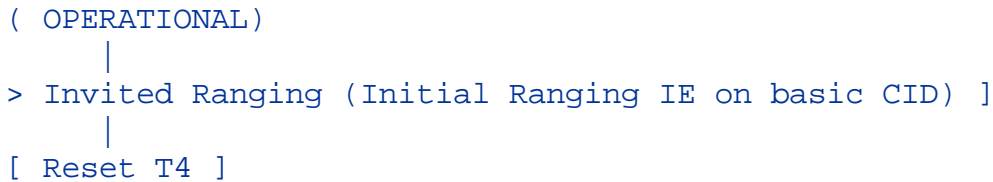
Figure 84 should mention this case.

Suggested Remedy

[In 802.16-2004/Cor1/D3, page 52, line 55, insert the following text:]

Replace Figure 84 with the following figure:

[Copy figure 84 from the standard and add one box between operational and reset T4 on the left side of the diagram]



Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Superseded**

Reason for Group's Decision/Resolution

By comment #115

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions

8/10/2005

IEEE 802.16-05/042r5

EDITOR'S NOTES

EDITOR'S ACTIONS

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **118**

Comment submitted by: Jose

Puthenkulam

Member

7/10/2005

Comment Type **Technical, Non-binding**
[For Wendy C. Wong, Sundar G. Sankaran]

Starting Page # **53**

Starting Line # **20**

Fig/Table#

Section **6.3.10.3.1**

It is not clear how the initial ranging signals are to be transmitted during the periodic ranging region.

Suggested Remedy

Change the 3rd paragraph on Page 53 as indicated:

Upon receiving a Ranging Response message with continue status, the SS shall continue the ranging process as done on the first entry with ranging codes randomly chosen from the Initial Ranging domain sent on the Periodic Ranging region. If the chosen periodic ranging region after random backoff is 1 symbol long, the SS shall send the initial ranging code in one OFDMA symbol duration with normal cyclic prefix. If the chosen periodic ranging region after random backoff consists of 3 symbols, the SS shall send the initial ranging code in one OFDMA symbol duration with normal cyclic prefix and duplicate it two more times to make up 3 OFDMA symbol duration of data to transmit.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

Due to the request of the commentor

Group's Notes

J

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **119**

Comment submitted by: Havish

Koorapaty

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **53** Starting Line # **22** Fig/Table# **121** Section **6.3.10.3.1**

On line 22, page 53 and also on line 32 in Table 121 on page 54, a reference is made to a "Periodic Ranging Region". What is the "Periodic Ranging Region"? This is not defined and appears only in these two places. Isn't the intention to say that the code is transmitted again in the ranging allocation?

Suggested Remedy

If Periodic Ranging Region is to be used, introduce corrections in the corrigendum to define this.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

Periodic ranging region is defined in the UL-MAP. See section 8.4.5.4, table 285 (in IEEE 802.16-2004).

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **120**

Comment submitted by: James

Gilb

Member

7/10/2005

Comment Type **Technical, Satisfied (was**

Starting Page # **53**

Starting Line # **47**

Fig/Table#

Section

6.3.10.3.1

This is really a figure, not a table

Suggested Remedy

Re-draw and relable Table 121 as a figure, because that is what it is.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

The specific format of Table 121 is consistant with the baseline standard. There are many tables (Table 122, 123, 124, ...) with the same format, so changing this specific instance will cause an inconsistency.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **121**

Comment submitted by: **Ilan**

Zohar

Member

7/10/2005

Comment Type **Editorial, Binding** Starting Page # **54** in Starting Line # **18** Fig/Table# Section **6.3.2.3.7**
in Corr1_D2 section 11.7.6 split to two section 11.7.6.1 and 11.7.6.2. The original reference in 6.3.2.3.7 to "uplink CID support (11.7.6)" should now be directed to 11.7.6.1

Suggested Remedy

Change "uplink CID Support (11.7.6)" to "uplink CID Support (11.7.6.1)"

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **122**

Comment submitted by: Havish

Koorapaty

Other

7/10/2005

Comment Type **Editorial**

Starting Page # **56**

Starting Line # **25**

Fig/Table# **86**

Section

The note in the figure does not seem related to the random backoff box where a note is specified.

Suggested Remedy

Either remove the word "note" in the random backoff box or specify a note related to random backoff in the figure.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

Move the "[note]" from the Random Backoff box to Timeout T3 box

Remove the sentences "On a system with multiple uplink channel..." and "T3 timeout can also occur during multiple channel operation" from the Note in figure 86

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **123**

Comment submitted by: **Lei**

Wang

Member

7/10/2005

Comment Type **Technical, Satisfied (was** Starting Page # **57** Starting Line # **32** Fig/Table# Section **6.3.10.3.1**
Timer T9 shall be started by the BS when it sends a RNG-RSP (success) during initial ranging with a SS, in Figure 87, for the OFDMA PHY, CDMA based initial ranging process.

Suggested Remedy

see contribution C80216maint-05_117 (modified Figure 87)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

Adopt contribution C80216maint-05_117r1

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **124**

Comment submitted by: **Lei**

Wang

Member

7/10/2005

Comment Type **Technical, Binding** Starting Page # **57** Starting Line # **65** Fig/Table# **F88** Section **6.3.10.3.2**

With OFDMA, the periodic ranging may be invoked at BS by either receiving CDMA ranging code (as shown in Figure 89) or receiving UL data from SS (as shown in Figure 88). However, the current Figure 88 has couple of problems, one is that it still checks if receiving ranging code after received UL data; the other is that it does not show the case of receiving RNG-REQ message.

Suggested Remedy

see details in contribution C80216maint-05_116 (modified Figure 88).

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

- 1) the figure is incomplete; missing the "yes" case on one "Good enough box".
- 2) The decision to send a RNG-RSP (success or continue) has nothing to do with RNG-REQ. the only use of RNG-REQ is to notify the BS of ranging anomalies at the SS (max power, etc...)
- 3) RNG-RSP can be sent in an unsolicited way, which is not covered by the figure.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **125**

Comment submitted by: Jose

Puthenkulam

Member

7/10/2005

Comment Type **Technical, Non-binding**
[For Wendy C. Wong, Sundar G. Sankaran]

Starting Page # **58**

Starting Line #

Fig/Table# **90**

Section **6.3.10.3.2**

Cannot see the figure

Suggested Remedy

Insert correct figure

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Withdrawn**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **126**

Comment submitted by: Havish

Koorapaty

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **58** Starting Line # **49** Fig/Table# Section **6.3.11**

In Table 123, 124 of 802.16-2004, step 7 is same as step 4. Step 7 should be changed to reflect that SS already stored descriptor in step 4.

Suggested Remedy

Insert the following corrections before section 6.3.13 in the corrigendum;

In Table 123 and 124 replace "Store new descriptor with" with "New descriptor still stored in SS with" in step 7.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

There is no ambiguity in the current table, in the event of the first message is not received, the message must be stored in the second transmission of the new UCD.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **127**

Comment submitted by: **Todor**

Cooklev

Member

7/10/2005

Comment Type **Editorial** Starting Page # **59** Starting Line # Fig/Table# Section **6.3.14.2**

The relationship between SFID and transport CID, when present, is unique. An SFID shall never be associated with more than one transport CID, and a transport CID shall never be associated with more than one SFID.

Suggested Remedy

The relationship between SFID and transport CID, when present, is one-to-one.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

the standard is already clear and the comment does not provide a remedy.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **128**

Comment submitted by: Pieter-Paul

Giesberts*

Member

7/10/2005

Comment Type **Technical, Non-binding**

Starting Page # **59**

Starting Line # **42**

Fig/Table#

Section

6.3.14.3

[*Identical comment submitted by Pieter-Paul Giesberts and Richard van Leeuwen]

There is an unclear relation between Classifier Rule and PHS Rule.

Suggested Remedy

Accept contribution C80216maint-05_113.doc

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Accept contribution C80216maint-05_113.doc

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **129L**

Comment submitted by: Bong Ho

Kim

Other

7/11/2005

Comment Type **Technical, Non-binding** Starting Page # **60** Starting Line # **63**
Incorrect description of Figure 22 and an incorrect field name in Figure 22.

Fig/Table# Section **6.3.14.9.2**

Suggested Remedy

[Change Figure 101 on the transition line between "Holding Down" to "End" as indicated:]

(Timeout ~~T8~~-T10/DSA Ended)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

[Change Figure 101 on the transition line between "Holding Down" to "End" as indicated:]

(Timeout ~~T8~~-T10/DSA Ended)

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **130**

Comment submitted by: Vladimir

Yanover

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **61** Starting Line # **17** Fig/Table# Section **6.3.14.9.4**

802.16-2004 text is incomplete as it does not provide for clear guidance whether implementation of Dynamic Service change initiated by BS or SS is mandatory or optional.

Suggested Remedy

Add

Change the first paragaph as indicated

The DSC set of messages is used to modify the flow parameters associated with a service flow. Specifically, DSC can modify the service flow Specification.
Implementation of Dynamic Service change initiated by BS is mandatory.
Implementation of Dynamic Service change initiated by SS is optional.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Add

Change the first paragaph as indicated

The DSC set of messages is used to modify the flow parameters associated with a service flow. Specifically, DSC can modify the service flow Specification.
Implementation of Dynamic Service change initiated by BS is mandatory.
Implementation of Dynamic Service change initiated by SS is optional.

Reason for Group's Decision/Resolution

8/10/2005

IEEE 802.16-05/042r5

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **131**

Comment submitted by: Vladimir

Yanover

Member

7/10/2005

Comment	Type	Technical, Non-binding	Starting Page #	62	Starting Line #	1	Fig/Table#	Section
---------	------	------------------------	-----------------	----	-----------------	---	------------	---------

802.16-2004 text is incomplete as it does not provide for clear guidance whether Implementation of dynamic service deletion initiated by BS or SS is mandatory or optional

Suggested Remedy
Change

Any service flow can be deleted with the DSD messages. When a service flow is deleted, all resources associated with it are released. If a service flow for a provisioned service is deleted, the ability to re-establish the service flow for that service is network management dependent. Therefore, care should be taken before deleting such service flows. However, the deletion of a provisioned service flow shall not cause an SS to reinitialize. Implementation of dynamic service deletion initiated by BS is mandatory.
Implementation of dynamic service deletion initiated by SS is optional

Proposed Resolution **Recommendation:** **Recommendation by**

Reason for Recommendation

Resolution of Group **Decision of Group: Accepted**

Change

Any service flow can be deleted with the DSD messages. When a service flow is deleted, all resources associated with it are released. If a service flow for a provisioned service is deleted, the ability to re-establish the service flow for that service is network management dependent. Therefore, care should be taken before deleting such service flows. However, the deletion of a provisioned service flow shall not cause an SS to reinitialize. Implementation of dynamic service deletion initiated by BS is mandatory.
Implementation of dynamic service deletion initiated by SS is optional

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**Ballot Number: **0001008**

Comment Date

Comment # **132**

Comment submitted by: Havish

Koorapaty

Other

7/10/2005

Comment	Type	Technical, Non-binding	Starting Page #	63	Starting Line #	2	Fig/Table#	Section	6.3.15.2
---------	------	------------------------	-----------------	----	-----------------	---	------------	---------	----------

Should the word period be removed after "Operating Test Cycle"? Is the Operating Test Period cumulative over many Operating Test Cycles or is it the period of one Operating Test Cycle?

Suggested Remedy

If the Operating Test Period is cumulative over many Operating Test Cycles, change the sentence as follows:

- Operating Test Period (were the period is only accumulated during testing) including all Operating Test Cycles while operating in a channel.

If the Operating Test Period refers to the period of one Operating Test Cycle, change the sentence as follows, delete the word "period" after "Operating Test Cycle" in the sentence.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted-Modified**

Section 6.3.15.2

Change the third bullet of the second paragraph as indicated:

-- Operating Test Period (where the period is only accumulated during testing) of each Operating Test Cycle ~~period~~-while operating in a channel. Testing may occur in quiet periods or during normal operation.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **133**

Comment submitted by: Havish

Koorapaty

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **64** Starting Line # **37** Fig/Table# Section **6.3.17**

In section 6.3.17, in the third paragraph from the bottom of page 267 in 802.16-2004, a reference is made to "H-ARQ DL ACK delay offset" which is not defined anywhere in the specification. This should be changed to "H-ARQ ACK Delay for DL burst".

Suggested Remedy

Insert the following changes before section 6.3.17.2 in the corrigendum:

Change the words "H-ARQ DL ACK delay offset" to "H-ARQ ACK Delay for DL burst" in the third paragraph from the bottom of page 267 in section 6.3.17.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Insert the following changes before section 6.3.17.2 in the corrigendum:

Change the words "H-ARQ DL ACK delay offset" to "H-ARQ ACK delay for DL burst" in the third paragraph from the bottom of page 267 in section 6.3.17.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **134**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **64** Starting Line # **49** Fig/Table# Section **6.3.17.4**

DVJ53(subclause=6.3.17.4,page=64,line=49):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Operations

==>

operations

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **l) none needed**

Section title was changed by a previous comment

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **135**

Comment submitted by: Mark

Cudak

Member

7/10/2005

Comment Type **Technical, Satisfied (was** Starting Page # **64** Starting Line # **57** Fig/Table# Section **6.3.17.4**

The text describing the CINR measurement does define the measurement procedure necessary to create interoperable SS. Therefore, a minimal set of measurement options should be defined. Moreover, there is no mechanism for REP-REQ/RSP to provide any information about the frequency selectivity or time selectivity of the channel. This information is critical (in addition to CINR), for supporting accurate link adaptation algorithms at the BS. Therefore, additional message types should be added to provide the BS with sufficient information to properly schedule channel quality feedback rates (e.g., periodicity of CQICH) and perform link adaptation.

Suggested Remedy

Adopt contribution [C80216maint-05_120.pdf](#)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Superseded**

Reason for Group's Decision/Resolution

[By comment #466](#)

Group's Notes

[D](#)

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**Ballot Number: **0001008**

Comment Date

Comment # **136**Comment submitted by: **Lei****Wang**

Member

7/10/2005

Comment Type **Technical, Satisfied (was** Starting Page # **64** Starting Line # **59** Fig/Table# Section **6.3.17.4**
 Section 6.3.17.4 in 802.16-2004 uses the term "M/C level" multiple times, however, there is no definition in the entire spec of such a term.

Suggested Remedy

Defined "M/C level".

Proposed Resolution**Recommendation:****Recommendation by**

[Insert following entry page 7 line 17 in Abbreviation and acronyms]
 MCS modulation and coding scheme

[Replace M/C with MCS in 6.3.17.4]

This section describes the operation scenarios and requirements of CQICH, which is designed for H-ARQ enabled SS. After an SS turns on its power, the only appropriate subchannels that can be allocated to the MSS are normal subchannels. To determine the ~~M/C~~MCS level of normal subchannels, the average CINR measurement is enough for the BS to determine the ~~M/C~~MCS levels of uplink and downlink. As soon as the BS and the SS know the capabilities of both entities modulation and coding, the BS may allocate a CQICH subchannel using a CQICH Control IE. Then, the MSS reports the average CINR of the BS preamble. From then on, the BS is able to determine the ~~M/C~~MCS level. A CINR measurement is quantized into 32 levels and encoded into 5 information bits.

Reason for Recommendation**Resolution of Group****Decision of Group: Accepted-Modified**

Change in page 64, line 59, section 6.3.17.4

This section describes the operation scenarios and requirements of CQICH, which is designed for H-ARQ enabled SS. After an SS turns on its power, the only appropriate subchannels that can be allocated to the MSS are normal subchannels. To determine the ~~M/C level~~ modulation/coding scheme of normal subchannels, the average CINR measurement is enough for the BS to determine the ~~M/C levels~~ modulation/coding schemes of uplink and downlink. As soon as the BS and the SS know the capabilities of both entities modulation and coding, the BS may allocate a CQICH subchannel using a CQICH Control IE. Then, the MSS reports the average CINR of the BS preamble. From then on, the BS is able to determine the ~~M/C level~~ modulation/coding scheme. A CINR measurement is quantized into 32 levels and encoded into 5 information bits.

Reason for Group's Decision/Resolution**Group's Notes**

8/10/2005

IEEE 802.16-05/042r5

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **137**

Comment submitted by: Havish

Koorapaty

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **67** Starting Line # **26** Fig/Table# Section **7.2.4.4**

In section 7.2.4.4 of 802.16-2004, there are currently three timeout values listed: Authorize Wait Timeout, Authorization Grace Timeout, Authorize Reject Wait Timeout. There is a missing timeout value "Reauthorize Wait Timeout", and the reference on "Authorize Wait Timeout" is wrong

Suggested Remedy

Insert corrections to section 7.2.4.4 of 802.16-2004 in the corrigendum before section 7.5 to

1. Change reference on "Authorize Wait Timeout" from section "11.9.19.2" to "11.9.19.1"
2. Add "Reauthorize Wait Timeout: Timeout period between sending Authorization Request message from Reauthorize Wait state (see 11.9.19.2)"

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Insert corrections to section 7.2.4.4 of 802.16-2004 in the corrigendum before section 7.5 to

1. Change reference on "Authorize Wait Timeout" from section "11.9.19.2" to "11.9.19.1"
2. Add "Reauthorize Wait Timeout: Timeout period between sending Authorization Request message from Reauthorize Wait state (see 11.9.19.2)"

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**Ballot Number: **0001008**

Comment Date

Comment # **138**

Comment submitted by: Havish

Koorapaty

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **67** Starting Line # **26** Fig/Table# **134** Section **7.4.1.5**

The example given in Figure 134 of 802.16-2004: TEK management in BS and SS is inappropriate or wrong. It shows the second Key Request is sent before TEK0 is about to expire, which is contradictory to the definition in TEK state machine that a Key Request is sent before the SS's LATEST TEK is scheduled to expire (which should be TEK1 in this example). According to current Figure, if Key Request is sent before TEK0 expires, and if it arrives BS before TEK0 expires (which is most likely the case as opposed to the arrival point in the Figure), If BS replies TEK0 and TEK1, it defeats the purpose of key update. If BS replies TEK1 and TEK2, the SS will use TEK2 immediately (the newer TEK), but BS is still using TEK0 and TEK1 since TEK0 hasn't expired. There will be mismatch in TEK state.

Suggested Remedy

Insert the following changes to Figure 134 in 802.16-2004 into the corrigendum:

The second Key Request should be sent at point y, instead of point x, and it should arrive at BS before TEK1 expires, instead of after. This will match the definition in TEK state machine.

Proposed Resolution**Recommendation:****Recommendation by****Reason for Recommendation****Resolution of Group****Decision of Group: Rejected****Reason for Group's Decision/Resolution**

The author requested to reject the comment due to incompleteness of the proposed solution.

Group's Notes

J

Group's Action Items**Editor's Notes****Editor's Actions****Editor's Questions and Concerns****Editor's Action Items**

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **139**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **67** Starting Line # **42** Fig/Table# Section **7.5.1.2.1**

DVJ54(subclause=7.5.1.2.1,page=67,line=42):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Payload Format

==>

payload format

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **140**

Comment submitted by: **Ilan**

Zohar

Member

7/10/2005

Comment Type **Technical, Non-binding**

Starting Page # **67**

Starting Line # **50**

Fig/Table#

Section **7.5.1.2.1**

MAP / Data Byte ordering clarification

Suggested Remedy

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Withdrawn**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **141**

Comment submitted by: Yigal

Leiba

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **67** Starting Line # **55** Fig/Table# Section **7.5.1.2.1**

The sentence in lines 54 to 56 orders that the PN be transmitted LSB first. This contradicts the sentence on page 68, line 31, which orders that the PN be transmitted MSB first.

Suggested Remedy

For consistency with the rest of the standard, fix the sentence on page 67 to order MSB first transmission of the PN field

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Superseded**

Reason for Group's Decision/Resolution

By comment #147

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **142**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **68** Starting Line # **15** Fig/Table# Section **7.5.1.2.1**

DVJ55(subclause=7.5.1.2.1,page=68,line=15):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Payload

==>

payload

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **143**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **68** Starting Line # **16** Fig/Table# Section **7.5.1.2.1**

DVJ56(subclause=7.5.1.2.1,page=68,line=16):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Message
Authentication
Code
==>
message
authentication
code

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **144**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **68** Starting Line # **19** Fig/Table# Section **7.5.1.2.1**

DVJ63(subclause=7.5.1.2.1,page=68,line=19):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Payload Format

==>

payload format

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **145**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **68** Starting Line # **19** Fig/Table# Section **7.5.1.2.1**

DVJ64(subclause=7.5.1.2.1,page=68,line=19):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Mode

==>

mode

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **146**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **68** Starting Line # **22** Fig/Table# Section **7.5.1.2.2**

DVJ57(subclause=7.5.1.2.2,page=68,line=22):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Packet Number)

==>

packet number)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

Here the origin of the initials should be indicated.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **147**

Comment submitted by: Joel

Demarty

Member

7/10/2005

Comment	Type	Starting Page #	Starting Line #	Fig/Table#	Section
	Editorial	68	29		7.5.1.2.2

In AES-CCM, the PN is transmitted in LITTLE endian as required by section 7.5.1.2.1 PDU Payload Format of Cor1/D3.

Indeed, according to contribution C80216maint-50/100 which was accepted during last session in Sorrento, the first paragraph of section 7.5.1.2.2 PN (Packet Number) from Cor1/D2 should have been modified to

The PN associated with an SA shall be set to 1 when the SA is established and when a new TEK is installed. ~~The PN shall be transmitted little endian order in the MAC PDU as described in 7.5.1.2.1.~~ After each PDU transmission, the PN shall be incremented by 1. On uplink connections, the PN shall be XORed with 0x80000000 prior to encryption and transmission. On downlink connections, the PN shall be used without such modification.

Unfortunately, it seems that there was a slight mistake introduced during the editing of D3 and the changed text has been appended to the section instead of replacing the first paragraph, introducing a confusion on the endianness of PN.

Suggested Remedy

[In P802.16-2004/Cor1/D3, page 68, Delete line29 and 30]

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

[In P802.16-2004/Cor1/D3, page 68, Delete line29 and 30]

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **148**

Comment submitted by: **Kyungjoo**

Suh

Other

7/10/2005

Comment Type **Technical, Non-binding**

Starting Page # **68**

Starting Line # **31**

Fig/Table#

Section

7.5.1.2.2.

In section 7.5.1.2.1, page 67, line 54 -55, the PN is described as following;

" The PN shall be transmitted LSB first. The PN shall not be encrypted."

Suggested Remedy

The PN shall be transmitted in ~~MSB~~ **LSB** first order in the MAC PDU as described in 7.5.1.2.1.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Superseded**

Reason for Group's Decision/Resolution

By comment #147

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **149**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **68** Starting Line # **35** Fig/Table# Section **7.5.1.2.3**

DVJ58(subclause=7.5.1.2.3,page=68,line=35):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Algorithm

==>

algorithm

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **150**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **68** Starting Line # **52** Fig/Table# Section **7.5.1.2.3**

DVJ59(subclause=7.5.1.2.3,page=68,line=52):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Generic

==>

generic

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

In this context, the "Generic" has a meaning of a specific message type and therefore should remain capitalized

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **151**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **68** Starting Line # **52** Fig/Table# Section **7.5.1.2.3**

DVJ60(subclause=7.5.1.2.3,page=68,line=52):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Header

==>

header

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **152**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **68** Starting Line # **52** Fig/Table# Section **7.5.1.2.3**

DVJ62(subclause=7.5.1.2.3,page=68,line=52):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Generic

==>

generic

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

In this context, the "Generic" has a meaning of a specific message type and therefore should remain capitalized

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **153**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **68** Starting Line # **53** Fig/Table# Section **7.5.1.2.3**

DVJ61(subclause=7.5.1.2.3,page=68,line=53):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Header

==>

header

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **154**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **69** Starting Line # **8** Fig/Table# Section **7.5.1.2.3**

DVJ74(subclause=7.5.1.2.3,page=69,line=8):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Header

==>

header

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **155**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **69** Starting Line # **10** Fig/Table# Section **7.5.1.2.3**

DVJ73(subclause=7.5.1.2.3,page=69,line=10):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Header

==>

header

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **156**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **69** Starting Line # **20** Fig/Table# Section **7.5.1.2.3**

DVJ65(subclause=7.5.1.2.3,page=69,line=20):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Number

==>

number

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **157**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **69** Starting Line # **21** Fig/Table# Section **7.5.1.2.3**

DVJ66(subclause=7.5.1.2.3,page=69,line=21):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Significance:

==>

significance:

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **158**

Comment submitted by: James

Gilb

Member

7/10/2005

Comment Type **Editorial, Binding**

Starting Page # **69**

Starting Line # **23**

Fig/Table#

Section **7.5.1.2.3**

The cell borders are not all the same line thickness

Suggested Remedy

Correct here and throughout the draft

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **159**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **69** Starting Line # **23** Fig/Table# Section **7.5.1.2.3**

DVJ67(subclause=7.5.1.2.3,page=69,line=23):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Bytes
==>
bytes

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Bytes
==>
bytes

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **160**

Comment submitted by: Yigal

Leiba

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **69** Starting Line # **36** Fig/Table# Section **7.5.1.2.3**

The term 'big endian' is implementation dependent. For consistency with the rest of the standard, the term 'MSB first' should be used

Suggested Remedy

Change the sentence to read:

"Note the ordering of the DLEN value is MSB first, consistent with the NIST CCM specification."

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Change the sentence to read:

"Note the ordering of the DLEN value is MSB first, consistent with the NIST CCM specification."

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **161**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **69** Starting Line # **43** Fig/Table# Section **7.5.1.2.3**

DVJ68(subclause=7.5.1.2.3,page=69,line=43):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Number

==>

number

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **162**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **69** Starting Line # **44** Fig/Table# Section **7.5.1.2.3**

DVJ69(subclause=7.5.1.2.3,page=69,line=44):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Significance:

==>

significance:

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **163**

Comment submitted by: **David**

James

Member

7/8/2005

Comment	Type	Starting Page #	Starting Line #	Fig/Table#	Section
	Editorial, Binding	69	46		7.5.1.2.3

DVJ70(subclause=7.5.1.2.3,page=69,line=46):
English words should not be capitalized simply because their meaning is different from normal English usage.

Suggested Remedy

Bytes
==>
bytes

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Bytes
==>
bytes

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **164**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **69** Starting Line # **49** Fig/Table# Section **7.5.1.2.3**

DVJ71(subclause=7.5.1.2.3,page=69,line=49):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Specified

==>

specified

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **165**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **69**

Starting Line # **54**

Fig/Table#

Section **7.5.1.2.3**

DVJ72(subclause=7.5.1.2.3,page=69,line=54):
Wrong terms

Suggested Remedy

section

==>

subclause

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **l) none needed**

Not implemented, the usage of "section" consistent with the rest of the document

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **166**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **70** Starting Line # **2** Fig/Table# Section **7.5.1.2.5**

DVJ75(subclause=7.5.1.2.5,page=70,line=2):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Example Encrypted

==>

example encrypted

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **167**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **70** Starting Line # **14** Fig/Table# Section **7.5.1.2.5**

DVJ78(subclause=7.5.1.2.5,page=70,line=14):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Header

==>

header

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

In the first sentence of 7.5.1.2.5 removed the word 802.16.

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **168**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **70** Starting Line # **16** Fig/Table# Section **7.5.1.2.5**

DVJ77(subclause=7.5.1.2.5,page=70,line=16):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Payload

==>

payload

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **169**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **70** Starting Line # **17** Fig/Table# Section **7.5.1.2.5**

DVJ76(subclause=7.5.1.2.5,page=70,line=17):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Message Authentication Code

==>

message authentication code

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **170**

Comment submitted by: Yigal

Leiba

Member

7/10/2005

Comment Type **Technical, Satisfied (was** Starting Page # **70** Starting Line # **20** Fig/Table# Section **7.5.1.2.5**

The CRC calculated in the example is inconsistent with the byte ordering requirements of IEEE 802.16 as expressed in section 6.3.3.1

Suggested Remedy

Delete section 7.5.1.2.5 or correct the CRC field to comply with the orders of section 6.3.3.1

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Superseded**

Reason for Group's Decision/Resolution

By comment #78

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**Ballot Number: **0001008**

Comment Date

Comment # **171**

Comment submitted by: Kyungjoo

Suh

Other

7/10/2005

Comment	Type	Technical, Non-binding	Starting Page #	70	Starting Line #	20	Fig/Table#	Section	7.5.1.2.5
---------	------	------------------------	-----------------	----	-----------------	----	------------	---------	-----------

In the current specification, the test vector for AES CCM mode has flaws in terms of CRC.
Please refer to the following explanation;

First of all, 802.3 use little-endian and 802.16 use big-endian system. IEEE 802.16-2004 clearly states that CRC is sent starting from MSB. Please refer to 6.3.3.1 of IEEE 802.16-2004 which states Fields of MAC messages and fields of TLVs, which are specified in the standard as binary numbers (including CRC and HCS) are transmitted as a sequence of their binary digits, starting from MSB.±

Second, CRC (as defined in 802.3)°± refers not only to the generating polynomial itself but also to the following:

- i) first 32 bits being complemented,
- ii) The first bit of the first field (in 802.16, MSB of the first octet of the MAC header not the LSB as in 802.3) corresponds to the $x^{(n-1)}$ term and the last bit of the last field corresponds to the x^0 term.
- iii) The resulting bit sequence is complemented.
- iv) The 32 bits of the CRC value are placed in the frame check sequence (in 802.16, CRC) field so that the x^{31} term is the left-most bit of the first octet, and the x^0 term is the right most bit of the last octet. (Page 41 of IEEE 802.3-2002)

Finally, the order of bit transmission (which is dealt in a separate section 3.3 in IEEE 802.3-2002) is not part of the definition of the CRC. What is interesting is that even in section 3.3 of IEEE 802.3-2002 it is stated that the FCS field is not transmitted LSB first. (Each octet of the MAC frame, with the exception of the FCS, is transmitted low-order bit first. (Page 41 of 802.3-2002)

Suggested Remedy

line 20 : CRC = ~~CB B6 5F 48~~

1B D1 BA 21

line 43 : CRC = ~~92 1B 32 41~~

FD 03 7B 1D

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Superseded**

Reason for Group's Decision/Resolution

8/10/2005

IEEE 802.16-05/042r5

Reason for Group's Decision/Resolution

By comment #78

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **172**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **70** Starting Line # **31** Fig/Table# Section **7.5.1.2.5**

DVJ79(subclause=7.5.1.2.5,page=70,line=31):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Header

==>

header

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **173**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **70** Starting Line # **33** Fig/Table# Section **7.5.1.2.5**

DVJ80(subclause=7.5.1.2.5,page=70,line=33):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Payload

==>

payload

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **174**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **70** Starting Line # **38** Fig/Table# Section **7.5.1.2.5**

DVJ81(subclause=7.5.1.2.5,page=70,line=38):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Decryptio
==>
decryptio

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **175**

Comment submitted by: Havish

Koorapaty

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **70** Starting Line # **49** Fig/Table# Section **7.5.4**

In section 7.5.4.2 of 802.16-2004, how to derive KEK from AK is described if KEK is used for 3-DES encryption of TEK. But there is no description on how to derive KEK if, KEK is used for AES encryption of TEK.

Suggested Remedy

Insert the following changes to section 7.5.4 of 802.16-2004 into the corrigendum:

Update according to 16eD8, add a section for AES KEK:

"The construction of the KEK for use with TEK-128 keys shall be the same as for 3-DES KEKs as described in 7.5.4.2 except that the full 128 bits of the KEK are used directly as the 128-bit AES key, instead of the KEK being split into two 64-bit DES keys."

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

[Change the title of section 7.5.4.2 as follows:]

7.5.4.2 ~~3-DES~~ KEKs

[Insert at the end of the section]

The construction of the KEK for use with TEK-128 keys shall be the same as for 3-DES KEKs except that the full 128 bits of the KEK are used directly as the 128-bit AES key, instead of the KEK being split into two 64-bit DES keys.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **176**

Comment submitted by: Giulio

Cavalli

Other

7/10/2005

Comment Type **Editorial** Starting Page # **71** Starting Line # **27** Fig/Table# Section **8.1.3.2.2**
Modify the text to be compliant with what approved in the March 2005 meeting, comment #009 (document IEEE C802.16maint-05/070r1)

Suggested Remedy

At page 71, line 27 in section 8.1.3.2.2, modify the text as shown in the following :

This gap allows time for the BS to switch from receive to transmit mode and ~~SSs to switch from transmit to receive mode~~. During this gap, the BS ~~and SS~~ areis not transmitting modulated data but simply allowing the BS transmitter carrier to ramp up, and the Tx/Rx antenna switch to actuate, ~~and the SS receiver sections to activate~~.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

At page 71, line 27 in section 8.1.3.2.2, modify the text as shown in the following :

This gap allows time for the BS to switch from receive to transmit mode and ~~SSs to switch from transmit to receive mode~~. During this gap, the BS ~~and SS~~ areis not transmitting modulated data but simply allowing the BS transmitter carrier to ramp up, and the Tx/Rx antenna switch to actuate, ~~and the SS receiver sections to activate~~.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **177**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **72** Starting Line # **41** Fig/Table# Section **8.2.1.5.2.1**

DVJ82(subclause=8.2.1.5.2.1,page=72,line=41):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Parameters

==>

parameters

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**Ballot Number: **0001008**

Comment Date

Comment # **178**

Comment submitted by: Pieter-Paul

Giesberts*

Member

7/10/2005

Comment	Type	Technical, Satisfied (was	Starting Page #	74	Starting Line #	16	Fig/Table#	Section	8.3.3.1
---------	------	---------------------------	-----------------	----	-----------------	----	------------	---------	---------

[*Identical comment submitted by Pieter-Paul Giesberts and Richard van Leeuwen]

The standard doesn't always make a distinction between a PRBS (the sequence) and a PRBS generator, which can be quite confusing and may possibly lead to ambiguities.

Suggested Remedy

Change text in the following locations as indicated below:

Section 8.3.3.1, on page 74, line 16:

"Figure 197—PRBS generator for data randomization"

Section 8.3.3.4.2, page 75, line 21:

"Figure 204—PRBS generator for pilot modulation"

Section 8.4.7.3, page 150, line 50:

"Figure 243—PRBS generator for ranging code generation"

Also, change in the third and fourth paragraph of this section 8.4.7.3 (page 151, lines 10-28) all occurrences of PRBS to PRBS generator

Section 8.4.9.1, page 158, line 61:

"Figure 253—PRBS generator for data randomization"

Section 8.4.9.2.3.5.2, page 164, line 19:

"Figure 260—PRBS generator for of the randomization"

Section 8.4.9.4.1, page 166, line 49:

"Figure 262—PRBS generator for pilot modulation"

Also, change in the second paragraph below Figure 262 (line 55):

"The initialization vector of the PRBS generator for both uplink and"

Change in the last paragraph of 8.4.9.4.1 the first and last occurrence of PRBS to PRBS generator (page 167, lines 10 and 20)

Proposed Resolution**Recommendation:****Recommendation by****Reason for Recommendation****Resolution of Group****Decision of Group: Accepted**

Change text in the following locations as indicated below:

Section 8.3.3.1, on page 74, line 16:

"Figure 197—PRBS generator for data randomization"

Section 8.3.3.4.2, page 75, line 21:

"Figure 204—PRBS generator for pilot modulation"

Section 8.4.7.3, page 150, line 50:

"Figure 243—PRBS generator for ranging code generation"

Also. change in the third and fourth paragraph of this section 8.4.7.3 (page 151. lines 10-28) all occurrences of PRBS to PRBS generator

Section 8.4.9.1, page 158, line 61:

"Figure 253—PRBS generator for data randomization"

Section 8.4.9.2.3.5.2, page 164, line 19:

"Figure 260—PRBS generator for of the randomization"

Section 8.4.9.4.1, page 166, line 49:

"Figure 262—PRBS generator for pilot modulation"

Also, change in the second paragraph below Figure 262 (line 55):

"The initialization vector of the PRBS generator for both uplink and"

Change in the last paragraph of 8.4.9.4.1 the first and last occurrence of PRBS to PRBS generator (page 167, lines 10 and 20)

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **179**

Comment submitted by: Nico

van Waes

Member

7/10/2005

Comment Type **Editorial** Starting Page # **75** Starting Line # **6** Fig/Table# Section **8.3.3.2.1**

The RS-CC paragraph is still pure chaos jumping back and forth in the chain. Consider something like the text below, which in logical order discusses:

- 1) adding tail byte
- 2) pad as needed
- 3) pass through RS unless subchannelized transmission
- 4) pass through CC

There's no need for stating that the pad bits don't need to be randomized because that follows logically from the order.

Suggested Remedy

After randomization, a single 0x00 tail byte shall be appended to the end of each burst. When the total number of data bits in a burst is not an integer number of bytes, zero pad bits are added after the zero tail bits To ensure that the number of bits after the convolutional encoder is divisible by Ncbps, as specified in Table 223, zero (0b0) pad bits are added after the zero tail bits.

Unless the burst is to be transmitted using subchannelization, the burst shall then be passed in block format through the RS encoder, from which the redundant bits are sent before the input bits, keeping the 0x00 tail byte at the end of the allocation.

Finally, the burst shall be passed through the convolutional encoder.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **180**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **76** Starting Line # **33** Fig/Table# Section **8.3.3.5.3**

DVJ83(subclause=8.3.3.5.3,page=76,line=33):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Data
==>
data

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **181**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **77** Starting Line # **25** Fig/Table# Section **8.3.5**

DVJ84(subclause=8.3.5,page=77,line=25):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Header

==>

header

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **182**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **77** Starting Line # **28** Fig/Table# Section **8.3.5**

DVJ85(subclause=8.3.5,page=77,line=28):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Heade

==>

heade

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **183**

Comment submitted by: **David**

Castelow

Member

7/10/2005

Comment Type **Editorial**

Starting Page # **79**

Starting Line # **15**

Fig/Table#

Section **8.3.5.1**

Typo:

overlapping

Suggested Remedy

Page 79, Line 15,
replace "overlapping" with "overlapping "

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **184**

Comment submitted by: Giulio

Cavalli

Other

7/10/2005

Comment Type **Editorial** Starting Page # **79** Starting Line # **27** Fig/Table# Section **8.3.5.1**

Some words added to the 802.16-2004 document version has been added, but they are not underlined to highlight the difference.

Suggested Remedy

At page 79, line 27 in section 8.3.5.1, modify the text as shown in the following (changes are in red):

If an SS does not have any data to be transmitted in an UL allocation, the SS shall transmit an UL PHY burst (as specified in 6.3.3.7) that may containing a bandwidth request header as defined in Figure 20, with BR = 0 and its basic CID.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

At page 79, line 27 in section 8.3.5.1, modify the text as shown in the following (changes are in red):

If an SS does not have any data to be transmitted in an UL allocation, the SS shall transmit an UL PHY burst (as specified in 6.3.3.7) that may containing a bandwidth request header as defined in Figure 20, with BR = 0 and its basic CID.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **185**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **80**

Starting Line # **6**

Fig/Table#

Section **8.3.5.1**

DVJ88(subclause=8.3.5.1,page=80,line=6):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Size

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **186**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **80** Starting Line # **7** Fig/Table# Section **8.3.5.1**

DVJ86(subclause=8.3.5.1,page=80,line=7):
Please put (bits) in the header, not in all cells.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

Reason for rejection:

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ1

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **187**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **80** Starting Line # **9** Fig/Table# Section **8.3.5.1**

DVJ87(subclause=8.3.5.1,page=80,line=9):
Please put dash in empty cells.
I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**Ballot Number: **0001008**

Comment Date

Comment # **188**

Comment submitted by: Giulio

Cavalli

Other

7/10/2005

Comment Type **Editorial** Starting Page # **80** Starting Line # **30** Fig/Table# **225** Section **8.3.5.1**

Change contained in comment #062 of meeting #37 has been applied to the wrong field. It must be applied to the second Length line of Table 225 and not to the first one.

Suggested Remedy

At page 80, line 30 in section 8.3.5.1, modify the content of the Notes field of the first Length parameter in Table 225 as shown in the following (changes in red):

```
reserved .....
Length          11 bits          Number of OFDM symbols in the burst, including preamble if present.
```

At page 80, line 48, modify the content of the Notes field of the second Length parameter as shown in the following (changes in red):

```
if (DIUC !=0) {
  Preamble present .....
  Length          11 bits          Number of OFDM symbols in the burst, including preamble if present.
```

Proposed Resolution**Recommendation:****Recommendation by****Reason for Recommendation****Resolution of Group****Decision of Group: Accepted**

At page 80, line 30 in section 8.3.5.1, modify the content of the Notes field of the first Length parameter in Table 225 as shown in the following (changes in red):

```
reserved .....
Length          11 bits          Number of OFDM symbols in the burst, including preamble if present.
```

At page 80, line 48, modify the content of the Notes field of the second Length parameter as shown in the following (changes in red):

```
if (DIUC !=0) {
  Preamble present .....
  Length          11 bits          Number of OFDM symbols in the burst, including preamble if present.
```

8/10/2005

IEEE 802.16-05/042r5

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **189**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **82** Starting Line # **12** Fig/Table# Section **8.3.5.2**

DVJ94(subclause=8.3.5.2,page=82,line=12):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Diversity
Zone
==>
diversity
zone

Proposed Resolution Recommendation: Recommendation by

Reason for Recommendation

Resolution of Group Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **190**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **82** Starting Line # **12** Fig/Table# Section **8.3.5.2**

DVJ95(subclause=8.3.5.2,page=82,line=12):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Diversity
Zone
==>
diversity
zone

Proposed Resolution Recommendation: Recommendation by

Reason for Recommendation

Resolution of Group Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **191**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **82** Starting Line # **17** Fig/Table# Section **8.3.5.2**

DVJ91(subclause=8.3.5.2,page=82,line=17):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Burst 4

==>

burst 4

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **192**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **82** Starting Line # **17** Fig/Table# Section **8.3.5.2**

DVJ92(subclause=8.3.5.2,page=82,line=17):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Burst 3

==>

burst 3

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **193**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **82** Starting Line # **17** Fig/Table# Section **8.3.5.2**

DVJ93(subclause=8.3.5.2,page=82,line=17):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Burst 2

==>

burst 2

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **194**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **82** Starting Line # **28** Fig/Table# Section **8.3.5.2**

DVJ89(subclause=8.3.5.2,page=82,line=28):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Bursts

==>

bursts

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **195**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **82** Starting Line # **29** Fig/Table# Section **8.3.5.2**

DVJ90(subclause=8.3.5.2,page=82,line=29):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Region

==>

region

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **196**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **82**

Starting Line # **39**

Fig/Table#

Section **8.3.5.2**

DVJ96(subclause=8.3.5.2,page=82,line=39):
Please put (bits) in the header, not in all cells.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

Reason for rejection:

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ1

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **197**

Comment submitted by: Nico

van Waes

Member

7/10/2005

Comment	Type	Technical, Non-binding	Starting Page #	83	Starting Line #	1	Fig/Table#	Section	8.3.5.3
---------	------	------------------------	-----------------	----	-----------------	---	------------	---------	---------

From small values of T_F the actual frame duration diverges from the specified value. Limiting the the number of minislots fixes from the default 256 fixes this.

Suggested Remedy

Insert:

8.3.5.3 Mesh

Change last paragraph, second sentence as indicated.

The data subframe is divided into minislots, which are, ~~with possible exception of the last minislot in the frame of size $N_s \equiv \text{ceiling}[(\text{OFDM symbols per frame} - \text{MSH-CTRL-LEN} \times 7)/256]$, where the number of OFDM symbols per frame shall be such that the frame duration is closest to T_F . The number of addressable minislots shall be limited to $\text{ceiling}[(\text{OFDM symbols per frame} - \text{MSH-CTRL-LEN} \times 7)/N_s]$.~~

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

The current text already tries to handle the exception of divergence of the actual frame size, by saying the calculation is accurate with the exception of the last minislot.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **198**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **83** Starting Line # **4** Fig/Table# Section **8.3.5.5**

DVJ97(subclause=8.3.5.5,page=83,line=4):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Profile format

==>

profile format

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **199**

Comment submitted by: Nico

van Waes

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **84** Starting Line # **2** Fig/Table# Section **8.3.6.3**

I can't help but wonder what border case of extreme speed in utterly puny bandwidths moved the WG to insert midamble intervals of 4. That's 20% overhead right off the cuff. Above the MAC, that probably reduces the overall efficiency to less than 50%. Is the target really coherence times of less than ~.15 ms?

Suggested Remedy

Consider undoing this change.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

Vote to rule the comment as out of scope:

In favor: 6

Against: 4

fails

Vote to accept the comment:

In favor: 6

Against: 5

fails

The changes introduces a performance enhancement rather than fixing an error. The original change made in the corrigendum was made to address an editorial mistake in 802.16-2004.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **200**

Comment submitted by: **Lei**

Wang

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **84** Starting Line # **32** Fig/Table# Section **8.3.6.3.3**

Term "subchannelization preamble" is introduced to replace "short preamble," but is not defined. Legacy text refers reader to "(see 8.3.3.6)" where the "short preamble" was described.

Suggested Remedy

Define the term "subchannelization preamble" in Section 8.3.3.6 and/or elsewhere as necessary.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

The term subchannelization preamble is defined in section 8.3.3.6 in 802.16-2004

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **201**

Comment submitted by: Nico

van Waes

Member

7/10/2005

Comment Type **Editorial** Starting Page # **85** Starting Line # **1** Fig/Table# Section **8.3.7.2**

The ranging method described in 8.3.7.2 is a MAC aspect and ought not to be described in the PHY.

Suggested Remedy

Move this section , and specifically the diagrams, to the MAC. Somewhere like 6.3.9.5 comes to mind.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

There is no error or ambiguity to be fixed.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **202**

Comment submitted by: Giulio

Cavalli

Other

7/10/2005

Comment Type **Editorial**

Starting Page # **85**

Starting Line # **10**

Fig/Table#

Section **8.3.7.2**

The sentence ends with a colon instead of a fullstop.

Suggested Remedy

At page 85, line 10 in section 8.3.7.2, modify the text as shown in the following (changes are in red):

ized Initial Ranging Signal and as indicated in Figure 210a and Figure 210b.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**Ballot Number: **0001008**

Comment Date

Comment # **203**

Comment submitted by: David

Castelow

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **86** Starting Line # **57** Fig/Table# **260** Section **8.3.7.2**
 Table 260 appears to be missing an HCS, needed to ensure data integrity.

In addition, there is no note explaining that the HCS computed in Table 259 uses the standard 8-bit method described in section 6.3.1.

Suggested Remedy

At Page 86, line 57, add the following text:

Add the following as the note for the HCS of Table 259:

An 8-bit Header Check Sequence, calculated as specified in Table 5.

Table 260: Add two items to end of table;

Modify Table 260 as shown:

Syntax	Size	Notes
SBCH_AAS_NW_ENTRY_REQ(){		
Network entry code	4 bits	A randomly selected code.
Phase offset 1	4 bits	The mean phase offset of beam 1 relative to beam 0. 4 bit signed number, in units of 360°/16.
Phase offset 2	4 bits	The mean phase offset of beam 2 relative to beam 0. 4 bit signed number, in units of 360°/16.
Phase offset 3	4 bits	The mean phase offset of beam 3 relative to beam 0. 4 bit signed number, in units of 360°/16.
Measurement frame index	1 bit	0: Phase information corresponds to beams in previous frame 1: Phase information corresponds to beams in one before previous frame.
RSSI mean value	5 bits	
Reserved	2 bits	Shall be set to zero
HCS	8 bits	An 8-bit Header Check Sequence; calculated as specified in Table 5.
}		

Proposed Resolution Recommendation: Recommendation by

Reason for Recommendation

Resolution of Group Decision of Group: **Accepted**

At Page 86, line 57, add the following text:

Add the following as the note for the HCS of Table 259:
 An 8-bit Header Check Sequence, calculated as specified in Table 5.

Table 260: Add two items to end of table;

Modify Table 260 as shown:

Syntax	Size	Notes
SBCH_AAS_NW_ENTRY_REQ(){		
Network entry code	4 bits	A randomly selected code.
Phase offset 1	4 bits	The mean phase offset of beam 1 relative to beam 0. 4 bit signed number, in units of 360°/16.
Phase offset 2	4 bits	The mean phase offset of beam 2 relative to beam 0. 4 bit signed number, in units of 360°/16.
Phase offset 3	4 bits	The mean phase offset of beam 3 relative to beam 0. 4 bit signed number, in units of 360°/16.
Measurement frame index	1 bit	0: Phase information corresponds to beams in previous frame 1: Phase information corresponds to beams in one before previous frame.
RSSI mean value	5 bits	
Reserved	2 bits	Shall be set to zero
HCS	8 bits	An 8-bit Header Check Sequence; calculated as specified in Table 5.
}		

Reason for Group's Decision/Resolution

Group's Notes

8/10/2005

IEEE 802.16-05/042r5

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **204**

Comment submitted by: [David](#)

[James](#)

Member

7/8/2005

Comment Type [Editorial, Binding](#)

Starting Page # **87**

Starting Line # **33**

Fig/Table#

Section **8.3.8**

DVJ98(subclause=8.3.8,page=87,line=33):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

[diversity: Space-Time Coding](#)

==>

[diversity: space-time coding](#)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **205**

Comment submitted by: Paul

Piggin

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **88** Starting Line # Fig/Table# **267** Section **8.3.11.2**

The adjacent and nonadjacent channel rejection difference between 16QAM-3/4 and 64QAM-3/4 is incorrect.

Typically, this rejection is measured by applying a blocker on an adjacent or nonadjacent channel. The level of the blocker is increased until it causes the SNR to degrade so that the BER increases beyond a predetermined limit. The difference in Rx SNR between 16QAM and 64QAM-3/4 is 6 dB. Therefore, there should be a 6 dB difference in the blocker level limit; the current standard has a 7 dB difference. In addition, adjacent and alternate channel rejection numbers should all be positive.

Suggested Remedy

Table 267 (page 493 of 802.16-2004) should read

Modulation/coding	Adjacent Channel Interference Rejection C/I (dB)	Nonadjacent Channel Rejection C/A (dB)
16QAM-3/4	-11 +10	-30 +29
64QAM-3/4	+4	+23

Proposed Resolution Recommendation: Recommendation by

Reason for Recommendation

Resolution of Group Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

Vote to accept contribution C80216maint-05_141r1, to section 8.3.11.2

In favor: 10

Against: 7

Fails

The comment does not fix a problem in the standard.

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions

8/10/2005

IEEE 802.16-05/042r5

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **206**

Comment submitted by: Giulio

Cavalli

Other

7/10/2005

Comment Type **Editorial**

Starting Page # **88**

Starting Line # **34**

Fig/Table#

Section **8.3.10.1**

Missing blanks and signs.

Suggested Remedy

At page 88, line 34 in section 8.3.10.1, modify the fourth sentence of the paragraph as shown in the following (changes in red):

The relative accuracy of the power control mechanism is ± 1.5 dB for step sizes not exceeding ~~± 15 dB~~, and ± 3 dB for step sizes from ~~15 dB to 30 dB~~ and ~~± 5 dB~~ for step size greater than 30 dB.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **207**

Comment submitted by: Bogdan

Franovici

Other

7/10/2005

Comment Type **Editorial** Starting Page # **88** Starting Line # **43** Fig/Table# Section **8.3.10.1**
8.3.10.1.1 and 8.3.10.1.2 are not related to 8.3.10.1, they should be independent sections with the same heading level

Renumber the section headings as follows:

8.3.10.1 Transmit power level control
~~8.3.10.1.1~~ 8.3.10.2 Transmitter spectral flatness
~~8.3.10.1.2~~ 8.3.10.3 Transmitter constellation error and test method
~~8.3.10.2~~ 8.3.10.4 Transmitter channel bandwidth and RF carrier frequencies

Suggested Remedy

[page 88, line 43 change:]

~~8.3.10.1.1~~ 8.3.10.2 Transmitter spectral flatness

[page 88, line 46 add:]

~~8.3.10.1.2~~ 8.3.10.3 Transmitter constellation error and test method
~~8.3.10.2~~ 8.3.10.4 Transmitter channel bandwidth and RF carrier frequencies

[page 207, line 48 add:]

12.3.3 WirelessMAN-OFDM RF profiles
For licensed bands, no explicit RF profiles are defined. A compliant system shall adhere to the requirements of ~~8.3.10.2~~ 8.3.10.4 for the specified supported bands.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

[page 88, line 43 change:]

~~8.3.10.1.1~~ 8.3.10.2 Transmitter spectral flatness

[page 88, line 46 add:]

~~8.3.10.1.2~~ 8.3.10.3 Transmitter constellation error and test method

~~8.3.10.2~~ 8.3.10.4 Transmitter channel bandwidth and RF carrier frequencies

[page 207, line 48 add:]

12.3.3 WirelessMAN-OFDM RF profiles

For licensed bands, no explicit RF profiles are defined. A compliant system shall adhere to the requirements of ~~8.3.10.2~~ 8.3.10.4 for the specified supported bands.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **208**

Comment submitted by: Havish

Koorapaty

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **88** Starting Line # **46** Fig/Table# Section **8.3.10**

The transmitter requirements listed currently in IEEE 802.16-2004 do not include a transmit spectral mask for licensed bands although regulatory requirements for the region of operation apply. A spectral mask is specified for license-exempt bands. The following important advantages may be seen for specifying a spectral mask:

- 1) Meeting a suitably defined spectral mask in the specification can guarantee that regulatory requirements in a wide range of regions are met.
- 2) Co-existence issues with other 802.16 operators and/or other systems are handled more easily if all transceivers are guaranteed to meet the specified spectral mask.

Suggested Remedy

Adopt the changes proposed in contribution C80216_maint-05_131

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Superseded**

Reason for Group's Decision/Resolution

By comment #210

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **209**

Comment submitted by: Paul

Piggin

Member

7/10/2005

Comment Type Technical, Satisfied (was Starting Page # 88 Starting Line # 46 Fig/Table# 264 Section 8.3.10.1.2
 The transmitter constellation error is not consistent with corrected Rx SNR values. Table 264 (page 489 of 802.16-2004) needs to be changed.

Split up the relative constellation error requirements for SS and BS.
 For SS, $RCE = BS\ SNR + BS\ implementation\ loss + 8\ dB = BS\ SNR + 13dB$. Cap this value at -30 dB.
 For BS, $RCE = SS\ SNR + SS\ implementation\ loss + 8\ dB = SS\ SNR + 13dB$. Cap this value at -31 dB.

See IEEE C802.16maint-05/112 for full details.

Suggested Remedy

Adopt changes suggested in section called 'Suggested Corrections to 802.16-2004', and subsection called '8.3.10.1.2' in C802.16maint-05/112

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Withdrawn

Reason for Group's Decision/Resolution

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **210**

Comment submitted by: Paul

Piggin

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **88** Starting Line # **47** Fig/Table# Section **8.3.10.3**

There is no specification for transmit spectral mask. for OFDM . I would like to add a recommended emissions mask. Section 12.3.2, table 404, states that the OOB spectral mask must meet local regulation. However, this gives little guidance to manufacturers. I would like to add a section to give a recommended spectral emissions mask. Specifically, I would like to recommend that we add a recommended target for emissions: ETSI EN301 021 type G should be used as a guide for close-in emissions, and ETSI 301390 for spurious emissions more than 250% outside the passband.

Suggested Remedy

Add the following section:

8.3.10.3 Transmitter Spectral Mask

Spectral emissions are governed by local regulatory authorities. However, as a general guideline, it is recommended that transmitters meet ETSI EN301 021 Type G masks for close-in emissions (defined as emissions that are separated from the centre frequency of the emission by less than 250 % of the channel separation).

For out-of-band spurious emissions (emissions separated from the center frequency by more than 250% of the channel separation), it is recommended that transmitters meet ETSI EN301390, Annex A.2. This document specifies that the maximum allowable conducted emission is -40 dBm/MHz for SS, and -50 dBm/MHz for BS.

These emission levels are recommended as a guideline only; there may be different regulations defining spectral emissions for each country.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

This comment adds informative text and not solving any problem in the standard

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **211**

Comment submitted by: **Paul**

Piggin

Member

7/10/2005

Comment Type **Technical, Binding** Starting Page # **88** Starting Line # **56** Fig/Table# **266** Section **8.3.11.1**

Rx SNR values for OFDM are incorrect in table 266 (page 491 of 802.16-2004). The values should be:

Modulation	Coding rate	Rx SNR
BPSK	1/2	3
QPSK	1/2	6
QPSK	3/4	8.5
16QAM	1/2	11.5
16QAM	3/4	15
64QAM	2/3	18.5
64QAM	3/4	21

The values currently in Table 266 are in error, as they neglected to include coding gains. See IEEE C802.16maint-05/112 for full details.

Suggested Remedy

Adopt changes suggested in section called 'Suggested Corrections to 802.16-2004', and subsection called '8.3.11.1' in C802.16maint-05/112

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

Vote to accept the comment:

In favor: 7

Against: 3

Fails

Reason for rejection:

The contribution changes system requirements and does not fix any problems that prevents the system from working.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

8/10/2005

IEEE 802.16-05/042r5

.....
Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **212**

Comment submitted by: Bogdan

Franovici

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **89** Starting Line # **34** Fig/Table# Section **8.3.12**

The time arrival requirement +/-min(Tg)/2 is not good enough for the smallest cyclic prefix (min(Tg)). This will make (in the worst case) inter-symbol interference unavoidable in UL if no gap is scheduled between different SS (some of them will arrive at +Tg/2 and some at -Tg/2) because there isn't any guard interval left for multipath.

If gaps are inserted between SS transmission on UL this will introduce a lot of overhead since the granularity of the UL allocation is one OFDM symbol.

However in subchannelization the gaps won't solve the issue. In this case the subchannels will interfere each other in the worst case(some of them will arrive at +Tg/2 and some at -Tg/2) in the presence of multipath.

The proposal is to make the requirement to be +/-min(Tg)/4 (the same as the current requirement for OFDMA) which in the worst case will still leave half of the guard interval for multipath.

Due to the lateness of this comment the cyclic prefix 1/32 can be removed in order to keep the same absolute requirement for the arrival time, that is 4 samples (not addressed in the proposed remedy).

Suggested Remedy

[page 89, line 34 add:]

Change the last paragraph as indicated:

All SSs shall acquire and adjust their timing such that all uplink OFDM symbols arrive time coincident at the Base-Station to a accuracy of ~~±50~~±25% of the minimum guard-interval or better.

[page 206, line 33, add:]

Add the following row at the end of Table 402:

Reference time tolerance ± (Tb/32)/4

Tables 405 through 410, remove the last row.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

8/10/2005

IEEE 802.16-05/042r5

Reason for Group's Decision/Resolution

The 1/32 GI is 8 samples long, 1/4 of it is 2 samples long adjustment can be done in units of +/- 1 sample, therefore the existing mechanism is unable to support this requirement.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **213**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **89** Starting Line # **34** Fig/Table# Section **8.4.3.1**

DVJ99(subclause=8.4.3.1,page=89,line=34):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Data Region

==>

data region

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**Ballot Number: **0001008**

Comment Date

Comment # **214L**

Comment submitted by: Jaehee

Cho

Other

7/11/2005

Comment Type **Technical, Non-binding** Starting Page # **89** Starting Line # **37** Fig/Table# Section **8.4.2.3**

The constant samplin factor results in non whole multiples of sampling freq. though their BW is in relationship of whole multiples.

Suggested Remedy

8.4.2.3 Primitive parameters

[Modify the text as follows]

- n: Sampling factor. This parameter, in conjunction with BW and Nused determines the subcarrier spacing, and the useful symbol time. This value is set ~~to 8/7~~ as follows;

[n = 144/125 when BW is the multiples of 1.25 MHz;](#)

[n = 86/75 when BW is the multiples of 1.50 MHz;](#)

[n = 8/7 when BW is the multiples of 1.75MHz](#)

[n = 57/50 when BW is the multiples of 2.00 MHz;](#)

[n = 316/275 when BW is the multiples of 2.75 MHz;](#)

[n = 8/7 otherwise.](#)

Proposed Resolution Recommendation:**Recommendation by**

8.4.2.3 Primitive parameters

[Modify the text as follows]

- n: Sampling factor. This parameter, in conjunction with BW and Nused determines the subcarrier spacing, and the useful symbol time. This value is set ~~to 8/7~~ as follows;

[For channel bandwidths that are a multiple of 1.75 MHz then n=8/7](#)
[else for channel bandwidths that are a multiple of 1.25 MHz then n=144/125](#)
[else for channel bandwidths that are a multiple of 1.5 MHz then n=86/75](#)
[else for channel bandwidths that are a multiple of 2.75 MHz then n=316/275](#)
[else for channel bandwidths that are a multiple of 2.0 MHz then n=57/50](#)
[else for channel bandwidths not otherwise specified then n=8/7](#)

Reason for Recommendation

8/10/2005

IEEE 802.16-05/042r5

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

Vote to call the question:

In favor: 31

Against: 0

Passes

Vote to accept the comment as modified :

In favor: 32

Against: 17

Fails

Reason for rejection:

This example numbers are not practicle from implementation perspective

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **215**

Comment submitted by: Thomas

Li

Member

7/10/2005

Comment Type **Technical, Satisfied (was** Starting Page # **89** Starting Line # **42** Fig/Table# Section **8.4.3.1**

In the current IEEE16-2004, for the downlink PUSC, one slot is one subchannel by two OFDMA symbols. Why do we limit that? If we redefine that one slot is one subchannel by one OFDMA symbols for the downlink PUSC, an SNR gain will emerg.

Suggested Remedy

Adopt the remedy shown in the contribution "C80216maint-05_125".

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

The contribution shows simulations for 1K FFT which is not in the scope of the standard, in addition, the proposed changes seems to be an enhancement for improving the link budget rather than fixing an error

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **216**

Comment submitted by: Jaehee

Cho

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **90** Starting Line # **13** Fig/Table# Section **8.4.3.4**

Segmentation shall be done after the modulation block (H-ARQ CTC) or the repetition block (other FEC schemes).

Suggested Remedy

8.4.3.4 OFDMA data mapping

[Modify the text as follow]

1) Segment the data after ~~channel-coding~~ the modulation block (or repetition block if necessary) into blocks sized to fit into one OFDMA slot.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

8.4.3.4 OFDMA data mapping

[Modify the text as follow]

1) Segment the data after ~~channel-coding~~ the modulation block into blocks sized to fit into one OFDMA slot.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **217**

Comment submitted by: Jose

Puthenkulam

Member

7/10/2005

Comment Type **Technical, Non-binding**
[For Wendy C. Wong, Sundar G. Sankaran]

Starting Page # **90**

Starting Line # **34**

Fig/Table#

Section **8.4.3.4**

The definition of slot is not correct.

Suggested Remedy

Change lines 34-38 on Page 90 as follows:

2) Each slot shall span one ~~or more~~ subchannels in the subchannel axis and one or more OFDMA symbols in the time axis, as per the slot definition in 8.4.3.1 (see Figure 217 for an example). Map the slots such that the lowest numbered slot occupies the lowest numbered subchannel in the lowest numbered OFDMA symbol.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted-Modified**

Change lines 34-38 on Page 90 as follows:

2) Each slot shall span one ~~or more~~ subchannels in the subchannel axis and one or more OFDMA symbols in the time axis, as per the slot definition in 8.4.3.1 (see Figure 217 for an example). Map the slots such that the lowest numbered slot occupies the lowest numbered subchannel in the lowest numbered OFDMA symbol.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

The only change that I found was to chage Figure 216 to Figure 217

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **218**

Comment submitted by: Jose

Puthenkulam

Member

7/10/2005

Comment Type **Technical, Non-binding**
[For Wendy C. Wong, Sundar G. Sankaran]

Starting Page # **90**

Starting Line # **60**

Fig/Table#

Section **8.4.3.4**

The allocation in the MAP IE is after renumbering and before applying rotation scheme in the uplink.

Suggested Remedy

Change the last paragraph on Page 90 as follows:

The subchannels referred to in this section are logical subchannels, ~~before~~after subchannel renumbering in the downlink and uplink, and before applying the rotation scheme (8.4.6.2.6) for the uplink. ~~and the mapping indicated by UL-allocated subchannels bitmap in UCD for the uplink~~

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Withdrawn**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **219**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **91** Starting Line # **6** Fig/Table# Section **8.4.3.4**

DVJ100(subclause=8.4.3.4,page=91,line=6):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

OFDMA Symbol Index

==>

OFDMA symbol index

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **220**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **92** Starting Line # **3** Fig/Table# Section **8.4.3.4**

DVJ102(subclause=8.4.3.4,page=92,line=3):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Zone

==>

zone

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **221**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **92** Starting Line # **4** Fig/Table# Section **8.4.3.4**

DVJ101(subclause=8.4.3.4,page=92,line=4):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Symbol number

==>

symbol number

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **222**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **92** Starting Line # **26** Fig/Table# Section **8.4.3.4**

DVJ103(subclause=8.4.3.4,page=92,line=26):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Region

==>

region

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**Ballot Number: **0001008**

Comment Date

Comment # **223**

Comment submitted by: Jungnam

Yun

Other

7/10/2005

Comment	Type	Technical, Non-binding	Starting Page #	93	Starting Line #	3	Fig/Table#	Section	8.4.4.2
---------	------	------------------------	-----------------	----	-----------------	---	------------	---------	---------

In the spec, the index of the lowest numbered subchannel in the six (eight for the permutation defined in 8.4.6.2.5 or 8.4.6.3) shall be an integer multiple of six (eight for the permutation defined in 8.4.6.2.5 or 8.4.6.3).

However, in Figure 218, Ranging region lies in the bottom of logical map - this could be correct only for optional-PUSC case (subchannel index 40~47: 40 is an integer multiple of eight). In the mandatory PUSC case, ranging region cannot hit the bottom of uplink subframe (if it hits the bottom of uplink subframe, subchannel index should be 29~34: 29 is not an integer multiple of six).

Remedy 1: Remove the constraint that the starting subchannel index of ranging region should be an integer multiple of six (or eight for optional -PUSC).

Remedy 2: Fix the figure so that it may not mislead readers.

Suggested Remedy

Remedy 1:

At page 150, line 63 of section 8.4.7.3, remove below sentence:

~~The index of the lowest numbered subchannel in the six (eight for the permutation defined in 8.4.6.2.5 or 8.4.6.3) shall be an integer multiple of six (eight for the permutation defined in 8.4.6.2.5 or 8.4.6.3).~~

Remedy 2:

Modify the figure 218 so that ranging subchannel lies at the top of UL subframe.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted-Modified**

Modify the figure 218 so that ranging subchannel lies at the top of UL subframe.

Reason for Group's Decision/Resolution

Group's Notes

D

Group's Action Items

8/10/2005

IEEE 802.16-05/042r5

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **224**

Comment submitted by: Jose

Puthenkulam

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **93** Starting Line # **50** Fig/Table# Section **8.4.4.2**
[For Wendy C. Wong, Sundar G. Sankaran]

The AAS_DL_IE can change the zone in addition to Zone_switch_IE

Suggested Remedy

Change the penultimate paragraph on Page 93 as indicated:

The OFDMA frame may include multiple zones (such as PUSC, FUSC, PUSC with all subchannels, optional FUSC, and AMC), the transition between zones is indicated in the DL-Map by the Zone_switch IE (see 8.4.5.3.4) and AAS_DL_IE (see 8.4.5.3.3). No DL-MAP or UL-MAP allocations can span over multiple zones. Figure 219 depicts OFDMA frame with multiple zones.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted-Modified**

Change the penultimate paragraph on Page 93 as indicated:

The OFDMA frame may include multiple zones (such as PUSC, FUSC, PUSC with all subchannels, optional FUSC, and AMC), the transition between zones is indicated in the DL-Map by the Zone_switch IE (see 8.4.5.3.4) or AAS_DL_IE (see 8.4.5.3.3). No DL-MAP or UL-MAP allocations can span over multiple zones. Figure 219 depicts OFDMA frame with multiple zones.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **225**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **94** Starting Line # **5** Fig/Table# Section **8.4.4.2**

DVJ104(subclause=8.4.4.2,page=94,line=5):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

ubframe

==>

ubframe

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **226**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **94**

Starting Line # **5**

Fig/Table#

Section

8.4.4.2

DVJ105(subclause=8.4.4.2,page=94,line=5):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Subframe

==>

subframe

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **227**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **94** Starting Line # **25** Fig/Table# Section **8.4.4.3**

DVJ106(subclause=8.4.4.3,page=94,line=25):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Frame Prefix

==>

frame prefix

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **228**

Comment submitted by: Jungnam

Yun

Other

7/10/2005

Comment	Type	Technical, Non-binding	Starting Page #	95	Starting Line #	17	Fig/Table#	Section	8.4.4.4
---------	------	------------------------	-----------------	----	-----------------	----	------------	---------	---------

For PRBS_ID = 0b11, (Nsubchannels/3)*PRBS_ID = Nsubchannels.
 Since subchannel index is from 0 to Nsubchannels-1, mod Nsubchannels is necessary in the equation.

Suggested Remedy

At page 95, line 17 of section 8.4.4.4, modify as below:

... starting from subchannel (Nsubchannels/3)*PRBS_ID mod Nsubchannels, where PRBS_ID is specified in the STC_DL_Zone_IE or AAS_DL_IE().

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

Page 166, line 63, change:
 b5..b46 = Set to the segment number + 1 as indicated by the frame preamble in the first downlink zone and ~~the 2 LSBs of~~ PRBS_ID as indicated by the STC_DL_Zone_IE() or AAS_DL_IE() in....

Page, 106, Tables 278 and 279, Change the Notes of the PRBS_ID field as follows:

Values: 0...2. Refer to 8.4.9.4.1

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **229**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **96** Starting Line # **33** Fig/Table# Section **8.4.4.6**

DVJ107(subclause=8.4.4.6,page=96,line=33):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Support

==>

support

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **230**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **97** Starting Line # **26** Fig/Table# Section **8.4.4.6.1**

DVJ109(subclause=8.4.4.6.1,page=97,line=26):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Permutation

==>

permutation

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **231**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **97** Starting Line # **26** Fig/Table# Section **8.4.4.6.1**

DVJ110(subclause=8.4.4.6.1,page=97,line=26):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Permutation

==>

permutation

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **232**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **97**

Starting Line # **26**

Fig/Table#

Section **8.4.4.6.1**

DVJ111(subclause=8.4.4.6.1,page=97,line=26):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

PUSC

Permutation

==>

PUSC

permutation

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **233**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **97**

Starting Line # **26**

Fig/Table#

Section **8.4.4.6.1**

DVJ112(subclause=8.4.4.6.1,page=97,line=26):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

PUSC

Permutation

==>

PUSC

permutation

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **234**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **97** Starting Line # **28** Fig/Table# Section **8.4.4.6.1**

DVJ108(subclause=8.4.4.6.1,page=97,line=28):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Diversity Map Zone

==>

diversity map zone

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **235**

Comment submitted by: **David**

James

Member

7/8/2005

Comment	Type	Editorial, Binding	Starting Page #	97	Starting Line #	41	Fig/Table#	Section	8.4.4.6.1
---------	------	--------------------	-----------------	----	-----------------	----	------------	---------	-----------

DVJ113(subclause=8.4.4.6.1,page=97,line=41):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Diversity Map Zone

==>

diversity map zone

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **236**

Comment submitted by: **David**

James

Member

7/8/2005

Comment	Type	Starting Page #	Starting Line #	Fig/Table#	Section
	Editorial, Binding	97	41		8.4.4.6.1

DVJ114(subclause=8.4.4.6.1,page=97,line=41):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Diversity Map Zone

==>

diversity map zone

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **237**

Comment submitted by: **David**

James

Member

7/8/2005

Comment	Type	Starting Page #	Starting Line #	Fig/Table#	Section
	Editorial, Binding	97	45		8.4.4.6.1

DVJ115(subclause=8.4.4.6.1,page=97,line=45):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Diversity Map Zone

==>

diversity map zone

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **238**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **97** Starting Line # **46** Fig/Table# Section **8.4.4.6.1**

DVJ116(subclause=8.4.4.6.1,page=97,line=46):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Preamble

==>

preamble

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **239**

Comment submitted by: Jungnam

Yun

Other

7/10/2005

Comment Type **editorial** Starting Page # **97** Starting Line # **60** Fig/Table# Section **8.4.4.6.1**

Caption for the newly replaced Figure 224 is wrong. Use the original caption: "Figure 224. AAS Diversity Map Frame Structure"

Suggested Remedy

Caption for the newly replaced Figure 224 is wrong. Use the original caption: "Figure 224. AAS Diversity Map Frame Structure"

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

Caption for the newly replaced Figure 224 is wrong. Use the original caption: "Figure 224. AAS Diversity Map Frame Structure" (also update figure number)

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **240**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **99** Starting Line # **5** Fig/Table# Section **8.4.4.6.2**

DVJ117(subclause=8.4.4.6.2,page=99,line=5):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Structure, Diversity-Map Scan
==>
structure, diversity-map scan

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **241**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **99**

Starting Line # **8**

Fig/Table#

Section

8.4.4.6.2

DVJ118(subclause=8.4.4.6.2,page=99,line=8):
Please put (bits) in the header, not in all cells.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

Reason for rejection:

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ1

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **242**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **99** Starting Line # **9** Fig/Table# Section **8.4.4.6.2**

DVJ119(subclause=8.4.4.6.2,page=99,line=9):
Please put dash in empty cells.
I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **243**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **100** Starting Line # **4** Fig/Table# Section **8.4.4.6.2**

DVJ123(subclause=8.4.4.6.2,page=100,line=4):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Size

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **244**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **100** Starting Line # **19**

Fig/Table#

Section **8.4.4.6.2**

DVJ124(subclause=8.4.4.6.2,page=100,line=19):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Size

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **245**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **100** Starting Line # **20**

Fig/Table#

Section **8.4.4.6.2**

DVJ122(subclause=8.4.4.6.2,page=100,line=20):
Please put (bits) in the header, not in all cells.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

Reason for rejection:

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ1

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **246**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **100** Starting Line # **21**

Fig/Table#

Section **8.4.4.6.2**

DVJ121(subclause=8.4.4.6.2,page=100,line=21):
Please put dash in empty cells.
I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **247**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **100** Starting Line # **43** Fig/Table# Section **8.4.4.6.3**

DVJ120(subclause=8.4.4.6.3,page=100,line=43):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Diversity-Scan Map Network Entry Procedure
==>
diversity-scan map network entry procedure

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Changed to "AAS Diversity-Scan Map network entry procedure"

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **248**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **101** Starting Line # **12** Fig/Table# Section **8.4.4.6.4**

DVJ125(subclause=8.4.4.6.4,page=101,line=12):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Preambles

==>

preambles

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **249**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **101** Starting Line # **14** Fig/Table# Section **8.4.4.6.4**

DVJ126(subclause=8.4.4.6.4,page=101,line=14):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Preambles

==>

preambles

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **250**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **102** Starting Line # **4** Fig/Table# Section **8.4.4.6.4**

DVJ127(subclause=8.4.4.6.4,page=102,line=4):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Zone

==>

zone

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **251**

Comment submitted by: Jose

Puthenkulam

Member

7/10/2005

Comment Type **Technical, Non-binding**
[For Wendy C. Wong, Sundar G. Sankaran]

Starting Page # **102** Starting Line # **59**

Fig/Table# Section **8.4.4.6.4.1**

The "mod 3" appearing in the definition of m is redundant.

Suggested Remedy

Change the definition of m on line 59 of Page 102 as indicated:

$m = \text{floor}(k/N) \text{ mod } 3$

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Withdrawn**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**Ballot Number: **0001008**

Comment Date

Comment # **252**

Comment submitted by: Ran

Yaniv

Member

7/10/2005

Comment	Type	Technical, Satisfied (was	Starting Page #	103	Starting Line #	5	Fig/Table#	Section	8.4.4.6.4.1
---------	------	---------------------------	-----------------	-----	-----------------	---	------------	---------	-------------

The section on AAS preambles has been corrected in one of the recent drafts of Cor1. It is still not clear from the text if the subcarrier-based PRBS (8.4.9.x) applies to these AAS preambles or not.

AAS preambles play the same role as pilots. The pilots are protected by the PRBS which allows interference averaging over time (i.e. cover sequence changes from symbol to symbol). The same should apply to AAS preambles.

Suggested Remedy

[Modify text on page 103, lines 5-7 as follows:]

The AAS preamble sequence length is N_{used} bits and it shall be mapped starting from the first usable subcarrier, according to the permutation. The subcarrier randomization operation defined in 8.4.9.4.1 shall apply to the AAS DL preamble if it does not precede an AAS-DLFP. The randomization operation shall be applied after mapping the frequency or time shifted sequence to physical subcarriers, as defined in this section.

[At the following text to the end of section 8.4.4.6.4.2:]

The subcarrier randomization operation defined in 8.4.9.4.1 shall apply to the AAS UL preamble if it does not precede an AAS-DLFP. The randomization operation shall be applied after mapping the frequency or time shifted sequence to physical subcarriers, as defined in this section.

Proposed Resolution**Recommendation:****Recommendation by****Reason for Recommendation****Resolution of Group****Decision of Group: Accepted-Modified**

[Modify Section 8.4.9.4.3.1 as follows:

Replace Equation (136a):

$$\text{re}\{c_k\} = 2^{*(1/2-P_k)}$$

$$\text{im}\{c_k\} = 0$$

[add the sentences following equation 136a]:

8/10/2005

IEEE 802.16-05/042r5

Where P_k is the AAS Preamble sequence defined by equation 100a (Section 8.4.4.6.4.1 for DL AAS preambles, 8.4.4.6.4.2 for UL AAS preambles)

[add after the sentence on line 37]:

After application of any PHY modifiers, the c_k values are multiplied by the factor $2^{(1/2-w_k)}$

Reason for Group's Decision/Resolution

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **253**

Comment submitted by: Jose

Puthenkulam

Member

7/10/2005

Comment Type **Technical, Non-binding**
[For Wendy C. Wong, Sundar G. Sankaran]

Starting Page # **103**

Starting Line # **6**

Fig/Table#

Section

8.4.4.6.4.1

Clarification needed about what to do with the DC subcarrier.

Suggested Remedy

Change the second paragraph on Page 103 as follows:

The AAS preamble sequence length is Nused bits and it shall be mapped starting from the first usable subcarrier, according to the permutation. The DC carrier shall not be modulated and the corresponding bit in the constructed preamble sequence shall be discarded.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Change the second paragraph on Page 103 as follows:

The AAS preamble sequence length is Nused bits and it shall be mapped starting from the first usable subcarrier, according to the permutation. The DC carrier shall not be modulated and the corresponding bit in the constructed preamble sequence shall be discarded.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **254**

Comment submitted by: InSeok

Hwang

Other

7/10/2005

Comment	Type	Technical, Non-binding	Starting Page #	103	Starting Line #	18	Fig/Table#	Section	8.4.4.6.4.1
---------	------	------------------------	-----------------	-----	-----------------	----	------------	---------	-------------

1. Clarify the AMC pilot locations in AAS zone and remove the ambiguity.
2. Keep forward compatibility with 16e/D9.

Suggested Remedy

[Modify the text at the end of 8.4.4.6.4.1 AAS Downlink Preamble]

Downlink pilot locations are shifted forward with the burst allocation in time in the AMC zone. ~~Otherwise they are overwritten with the DL AAS preamble sybols.~~ with the following rules: pilot index = 9k+3m+1 where k is a bin index and m = symbol index % 3. The symbol index is starting from 0 right after AAS preamble.

[Add the following text at the end of 8.4.4.6.4.2 AAS Uplink Preamble]

"The AMC pilot location within a bin changes along symbol index as defined in DL AAS zone".

Proposed Resolution	Recommendation:	Recommendation by
----------------------------	------------------------	--------------------------

Reason for Recommendation

Resolution of Group	Decision of Group: Accepted-Modified
----------------------------	---

Modify the text at the end of 8.4.4.6.4.1 AAS Downlink Preamble]

Downlink pilot locations are shifted forward with the burst allocation in time in the AMC zone. ~~Otherwise they are overwritten with the DL AAS preamble sybols.~~ with the following rules: pilot index = 9k+3m+1 where k is a bin index and m = symbol index % 3. The symbol index is starting from 0 right after AAS preamble. The symbol index starts at zero for each AAS zone and corresponds to the first symbol in the AAS zone (If AAS preamble is not present) or the first symbol following the AAS preamble (if AAS preamble is present).

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **255**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **103**

Starting Line # **21**

Fig/Table#

Section

8.4.4.6.4.2

DVJ128(subclause=8.4.4.6.4.2,page=103,line=21):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Uplink Preamble

The basic AAS uplink preamble is formed

==>

uplink preamble

the basic AAS uplink preamble is formed

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **256**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **103** Starting Line # **34** Fig/Table# Section **8.4.4.7**

DVJ129(subclause=8.4.4.7,page=103,line=34):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Direct Signaling Method

==>

direct signaling method

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions l) none needed

Not relevant since the section is to be deleted

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **257**

Comment submitted by: **Lalit**

Kotecha

Member

7/10/2005

Comment Type **Technical, Binding**

Starting Page # **103**

Starting Line # **40**

Fig/Table#

Section **8.4.4.7**

Deletion of sec 8.4.4.7 violates PAR.

Sec 8.4.4.7 was introduced to enrich 802.16 standards for using beam-forming technologies. This section has gone through numerous informal and formal discussion before adopted by working group as a part of the standard

Suggested Remedy

Revert deletion of sec 8.4.4.7 - bring back this section into standards

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

The section was deleted since members identified a number of operational problems in the direct beam forming mode and unless the problems are fixed the section should be deleted.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **258**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **103**

Starting Line # **47**

Fig/Table#

Section **8.4.4.7**

DVJ132(subclause=8.4.4.7,page=103,line=47):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Size

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **259**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **103** Starting Line # **48**

Fig/Table#

Section **8.4.4.7**

DVJ130(subclause=8.4.4.7,page=103,line=48):
Please put (bits) in the header, not in all cells.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

Reason for rejection:

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ1

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **260**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **103** Starting Line # **49**

Fig/Table#

Section **8.4.4.7**

DVJ131(subclause=8.4.4.7,page=103,line=49):
Please put dash in empty cells.
I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **261**

Comment submitted by: Jose

Puthenkulam

Member

7/10/2005

Comment Type **Technical, Non-binding**
[For Wendy C. Wong, Sundar G. Sankaran]

Starting Page # **105**

Starting Line # **23**

Fig/Table#

Section **8.4.5.3**

The DL-MAP allocations are subchannels after renumbering.

Suggested Remedy

Change the last paragraph of Section 8.4.5.3, on Page 105, as follows:

The subchannels offsets referred to in all formats of DL-MAP_IE are logical subchannels, ~~before~~after subchannel renumbering in the downlink.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Withdrawn**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **262**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **105** Starting Line # **30**

Fig/Table#

Section **8.4.5.3.1**

DVJ133(subclause=8.4.5.3.1,page=105,line=30):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: DIUC

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

The change creates an inconsistent format with the baseline standard.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **263**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **106** Starting Line # **12** Fig/Table# Section **8.4.5.3.3**

DVJ136(subclause=8.4.5.3.3,page=106,line=12):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Size

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **264**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **106** Starting Line # **13** Fig/Table# Section **8.4.5.3.3**

DVJ134(subclause=8.4.5.3.3,page=106,line=13):
Please put (bits) in the header, not in all cells.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

Reason for rejection:

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ1

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **265**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **106** Starting Line # **14** Fig/Table# Section **8.4.5.3.3**

DVJ135(subclause=8.4.5.3.3,page=106,line=14):

Please put dash in empty cells.

I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **266**

Comment submitted by: InSeok

Hwang

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **106** Starting Line # **52** Fig/Table# **Tabl** Section **8.4.5.3.3**

For the selection of MCS level in DL AAS zone, two types of CINR can be needed in BS.

One is a measurement from shared DL preamble to maximize scheduling gain. The other is a measurement from dedicated beam-formed burst region including AAS preamble, pilot and data sub-carriers.

However, there is no text in AAS section which one is used. Consequently, it is reasonable to indicate that which one is used in BS scheduler. The most efficient way is to use a one of two reserved bits in AAS_DL_IE.

Suggested Remedy

[Changes OFDMA AAS downlink IE]

~~| reserved | 2 bits | Shall be set to zero.~~

| CINR Type | 1 bit | 0: Measurement from DL preamble

1: Measurement from DL allocation including AAS preamble

| reserved | 1 bit | Shall be set to zero

[Add description of CINR Type below the table]

CINR Type

Defines the target signals for CINR measurement.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Superseded

Reason for Group's Decision/Resolution

By comment #466

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions

8/10/2005

IEEE 802.16-05/042r5

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **267**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **107**

Starting Line # **46**

Fig/Table#

Section

8.4.5.3.4

DVJ137(subclause=8.4.5.3.4,page=107,line=46):
Please put (bits) in the header, not in all cells.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

Reason for rejection:

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ1

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **268**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **107** Starting Line # **46**

Fig/Table#

Section **8.4.5.3.4**

DVJ139(subclause=8.4.5.3.4,page=107,line=46):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Size

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **269**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **107** Starting Line # **48** Fig/Table# Section **8.4.5.3.4**

DVJ138(subclause=8.4.5.3.4,page=107,line=48):
Please put dash in empty cells.
I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **270**

Comment submitted by: Yigal

Leiba

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **108** Starting Line # **58** Fig/Table# Section **8.4.5.3.4**
The note should refer to all groups, not just major groups

Suggested Remedy

Correct the text to read:

"Note: When the 'Use All SC indicator' is set to 0, and the STC_DL_ZONE_IE() indicates switch to a PUSC zone, the major and minor groups used are as indicated in the FCH."

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

There is no definition of a minor group just different type of major groups (so the text applies to all groups)

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **271**

Comment submitted by: Yigal

Leiba

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **109** Starting Line # **4** Fig/Table# Section **8.4.5.3.6**

The sentence "but it may be sent alone without the IE defining the same data received in the current BS only if the data is to be transmitted in the current frame." is problematic, since the SU cannot distinguish when a Data_location_in_another_BS_IE() is sent alone, and when it is sent together with an IE in the current BS.

Suggested Remedy

Either clarify how the SU can distinguish when a Data_location_in_another_BS_IE() is sent alone, and when it is sent together with an IE in the current BS, or delete the sentence.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

The current text is sufficient to explain how SS can distinguish these two cases. Data_location_in_another_BS_IE() shall be sent right after a normal IE in the current BS, when they are sent together (see the 2nd sentence in 8.4.5.3.6). So, SS can detect the case when Data_location_in_another_BS_IE() is sent alone, by checking if a normal IE just before the Data_location_in_another_BS_IE is for other SS.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **272**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **109** Starting Line # **10** Fig/Table# Section **8.4.5.3.6**

DVJ141(subclause=8.4.5.3.6,page=109,line=10):
Please put (bits) in the header, not in all cells.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

Reason for rejection:

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ1

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **273**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **109** Starting Line # **10**

Fig/Table# Section **8.4.5.3.6**

DVJ143(subclause=8.4.5.3.6,page=109,line=10):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Size

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **274**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **109** Starting Line # **12** Fig/Table# Section **8.4.5.3.6**

DVJ142(subclause=8.4.5.3.6,page=109,line=12):
Please put dash in empty cells.
I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **275**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **109**

Starting Line # **37**

Fig/Table#

Section

8.4.5.3.6

DVJ140(subclause=8.4.5.3.6,page=109,line=37):
separate the distinct lines, so this is readable.

Suggested Remedy

Do this.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted-Modified**

In Table 281, section 8.4.5.3.6
separate the notes column of the boosting field to distinct lines,

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **276**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **110** Starting Line # **14** Fig/Table# Section **8.4.5.3.8**

DVJ146(subclause=8.4.5.3.8,page=110,line=14):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Size

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **277**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **110** Starting Line # **15** Fig/Table# Section **8.4.5.3.8**

DVJ144(subclause=8.4.5.3.8,page=110,line=15):
Please put (bits) in the header, not in all cells.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

Reason for rejection:

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ1

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **278**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **110** Starting Line # **16** Fig/Table# Section **8.4.5.3.8**

DVJ145(subclause=8.4.5.3.8,page=110,line=16):
Please put dash in empty cells.
I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **279**

Comment submitted by: Wen

Tong

Member

7/10/2005

Comment Type **Technical, Satisfied (was** Starting Page # **111** Starting Line #
Clarify the stream and layer, burst is confusing, stream is defined in .16e

Fig/Table# **283** Section **8.4.5.3.9 8**

Suggested Remedy

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted-Modified**

Adopt the suggested text change in C80216maint-05_138r1.doc

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Removed the definition of Layer index (Tables 283 and 284) from the draft since the change restored the original text from the baseline standard

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **280**

Comment submitted by: Wen

Tong

Member

7/10/2005

Comment Type **Technical, Satisfied (was**
Row 4, Column 7 is wrong

Starting Page # **112** Starting Line #

Fig/Table# **283a** Section **8.4.5.3.9**

Suggested Remedy

Replace Table 283a Row 4, column 7 by

Stream #0 S1
Stream #1 S2

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Replace Table 283a Row 4, column 7 by

Stream #0 S1
Stream #1 S2

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **281**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **112** Starting Line # **10** Fig/Table# Section **8.4.5.3.8**

DVJ148(subclause=8.4.5.3.8,page=112,line=10):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Type

==>

type

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **282**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **112** Starting Line # **10**

Fig/Table#

Section

8.4.5.3.8

DVJ151(subclause=8.4.5.3.8,page=112,line=10):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Rate

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **283**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **112** Starting Line # **11**

Fig/Table#

Section **8.4.5.3.8**

DVJ153(subclause=8.4.5.3.8,page=112,line=11):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Num_St
reams

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **284**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **112** Starting Line # **11**

Fig/Table#

Section **8.4.5.3.8**

DVJ154(subclause=8.4.5.3.8,page=112,line=11):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Matrix
indicator

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **285**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **112** Starting Line # **12** Fig/Table# Section **8.4.5.3.8**

DVJ147(subclause=8.4.5.3.8,page=112,line=12):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Transmit
Antennas
==>
transmit
antennas

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **286**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **112** Starting Line # **12** Fig/Table# Section **8.4.5.3.8**

DVJ149(subclause=8.4.5.3.8,page=112,line=12):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Stream to
matrix
entries
==>
stream to
matrix
entries

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **287**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **112** Starting Line # **12** Fig/Table# Section **8.4.5.3.8**

DVJ152(subclause=8.4.5.3.8,page=112,line=12):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Number
of
different
SSs

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **288**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **112** Starting Line # **12** Fig/Table# Section **8.4.5.3.8**

DVJ155(subclause=8.4.5.3.8,page=112,line=12):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Number
of
Transmit
Antennas

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **289**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **112** Starting Line # **14** Fig/Table# Section **8.4.5.3.8**

DVJ150(subclause=8.4.5.3.8,page=112,line=14):

Please put dash in empty cells.

I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **290**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **113** Starting Line # **37** Fig/Table# Section **8.4.5.3.9**

DVJ156(subclause=8.4.5.3.9,page=113,line=37):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy
Enhanced IE format
==>
enhanced IE format

Proposed Resolution Recommendation: Recommendation by

Reason for Recommendation

Resolution of Group Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **291**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **114** Starting Line # **8** Fig/Table# Section **8.4.5.3.9**

DVJ157(subclause=8.4.5.3.9,page=114,line=8):
Please put (bits) in the header, not in all cells.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

Reason for rejection:

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ1

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **292**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **114** Starting Line # **8** Fig/Table# Section **8.4.5.3.9**

DVJ159(subclause=8.4.5.3.9,page=114,line=8):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Size

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **293**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **114** Starting Line # **10** Fig/Table# Section **8.4.5.3.9**

DVJ158(subclause=8.4.5.3.9,page=114,line=10):

Please put dash in empty cells.

I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **294**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **116** Starting Line # **7**

Fig/Table#

Section

8.4.5.3.10

DVJ162(subclause=8.4.5.3.10,page=116,line=7):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Size

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **295**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **116** Starting Line # **8**

Fig/Table#

Section

8.4.5.3.10

DVJ160(subclause=8.4.5.3.10,page=116,line=8):
Please put (bits) in the header, not in all cells.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

Reason for rejection:

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ1

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **296**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **116** Starting Line # **8**

Fig/Table#

Section **8.4.5.3.10**

DVJ161(subclause=8.4.5.3.10,page=116,line=8):
Please put dash in empty cells.
I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **297**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **117** Starting Line # **19**

Fig/Table#

Section **8.4.5.3.11**

DVJ165(subclause=8.4.5.3.11,page=117,line=19):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Size

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **298**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **117** Starting Line # **20**

Fig/Table#

Section

8.4.5.3.11

DVJ163(subclause=8.4.5.3.11,page=117,line=20):
Please put (bits) in the header, not in all cells.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

Reason for rejection:

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ1

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **299**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **117** Starting Line # **20**

Fig/Table#

Section **8.4.5.3.11**

DVJ164(subclause=8.4.5.3.11,page=117,line=20):

Please put dash in empty cells.

I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **300**

Comment submitted by: Jose

Puthenkulam

Member

7/10/2005

Comment Type **Technical, Non-binding**
[For Wendy C. Wong, Sundar G. Sankaran]

Starting Page # **118**

Starting Line # **36**

Fig/Table#

Section **8.4.5.4**

Fast feedback allocations are block allocations as well.

Suggested Remedy

Change the first paragraph of Section 8.4.5.4 as follows:

The OFDMA UL-MAP IE defines uplink bandwidth allocations. Uplink bandwidth allocations are specified either as block allocations (subchannel by symbol) with an absolute offset, as an allocation with duration in slots with either a relative or absolute slot offset. Block allocations are used for **fast feedback**, CDMA ranging and BW request allocations as well as PAPR/Safety zone allocations. Slot allocations are used for all other UL bandwidth allocations. For UL allocations in non-AAS zones, the starting position for the allocation is determined considering the prior allocations appearing in the UL-MAP. For UL allocations in an AAS UL Zone, the starting position is included in the UL IE indicating an absolute slot offset from the beginning of the AAS zone. If an OFDMA UL-MAP IE with UIUC = 0 or UIUC = 12 or UIUC = 13 exists, they shall always be allocated first.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Superseded**

Reason for Group's Decision/Resolution

By comment #302

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **301**

Comment submitted by: Jaehee

Cho

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **118** Starting Line # **37** Fig/Table# Section **8.4.5.4**

In UL, 2D allocation shall be also applied to Fast feedback region as well as CDMA ranging, BW request ranging and PAPR/Safety zone allocation.

Suggested Remedy

8.4.5.4 UL-MAP IE format

[Change the text as indicated:]

The OFDMA UL-MAP IE defines uplink bandwidth allocations. Uplink bandwidth allocations are specified either as block allocations (subchannel by symbol) with an absolute offset, as an allocation with duration in slots with either a relative or absolute slot offset. Block allocations are used for [FAST-FEEDBACK region](#), CDMA ranging and BW request allocations as well as PAPR/Safety zone allocations. Slot allocations are used for all other UL bandwidth allocations. For UL allocations in non-AAS zones, the starting position for the allocation is determined considering the prior allocations appearing in the UL-MAP. For UL allocations in an AAS UL Zone, the starting position is included in the UL IE indicating an absolute slot offset from the beginning of the AAS zone. If an OFDMA UL-MAP IE with UIUC = 0 or UIUC = 12 or UIUC = 13 exists, they must be shall always be allocated first.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Superseded**

Reason for Group's Decision/Resolution

By comment #302

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**Ballot Number: **0001008**

Comment Date

Comment # **302**

Comment submitted by: Lei

Wang

Member

7/10/2005

Comment	Type	Technical, Satisfied (was	Starting Page #	118	Starting Line #	37	Fig/Table#	Section	8.4.5.4
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For the OFDMA PHY, in addition to what listed in the paragraph on page 118 line 37, the block allocations are also used for some other cases too, e.g., fast feedback region allocation (UIUC=0), HARQ region allocation, and CQICH region allocation. We should treat all the block allocations the same way in scheduling UL transmissions.

Suggested Remedy

Change the two paragraphs in line 34 page 118 as highlighted as red below:

The OFDMA UL-MAP IE defines uplink bandwidth allocations. Uplink bandwidth allocations are specified either as block allocations (subchannel by symbol) with an absolute offset, or as an allocation with duration in slots with either a relative or absolute slot offset. Block allocations are used for CDMA ranging and BW request allocations (UIUC=12), as well as PAPR/Safety zone allocations (UIUC=13), fast feedback region allocations (UIUC=0), HARQ region allocation (6.3.2.3.43.7.5), and CQICH region allocations (6.3.2.3.43.7.6). Slot allocations are used for all other UL bandwidth allocations. For UL allocations in non-AAS zones, the starting position for the allocation is determined considering the prior allocations appearing in the UL-MAP. For UL allocations in an AAS UL Zone, the starting position is included in the UL IE indicating an absolute slot offset from the beginning of the AAS zone. If an OFDMA UL-MAP IE with ~~block allocation UIUC = 0 or UIUC = 12 or UIUC = 13~~ exists, they ~~must be~~ shall always be allocated first.

For the Tthe first OFDMA UL-MAP IE, with ~~block allocation UIUC = 0 or UIUC = 12 or UIUC = 13~~, the allocation shall start at the lowest numbered non-allocated subchannel on the first non-allocated OFDMA symbol defined by the allocation start time field of the UL-MAP message that is not allocated with ~~block allocation UIUC = 0 or UIUC = 12 or UIUC = 13~~ (See Figure 217 for an example). These IEs shall represent the number of slots provided for the allocation. For allocations not in an AAS zone, Each allocation IE shall start immediately following the previous allocation and shall advance in the time domain axis. If the end of the UL frame-zone has been reached, the allocation shall continue at the next subchannel at first OFDMA symbol (~~define by the allocation start time field~~) allocated to that zone that is not allocated with ~~block allocations UIUC = 0 or UIUC = 12 or UIUC = 13~~. The CID represents the assignment of the IE to either a unicast, multicast, or broadcast address. A UIUC shall be used to define the type of uplink access and the burst type associated with that access. A Burst Descriptor shall be specified in the UCD for each UIUC to be used in the UL-MAP. For UIUC = 12 allocations may include broadcast CID and in addition, multicast polling CID when working in FDD mode. In case of multicast polling CID the allocation will be used only by members of the multicast polling group and ignored by other SS. The SS shall be able to parse any UL MAP IE (including extended IEs) that allocates UL bursts. For further details on allocations in an UL AAS zone, see section 8.4.4.6.4.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted-Modified**

Adopt changes in option 1 of contribution C80216maint-05_145r1

8/10/2005

IEEE 802.16-05/042r5

Reason for Group's Decision/Resolution

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **303**

Comment submitted by: Yigal

Leiba

Member

7/10/2005

Comment Type **Technical, Satisfied (was** Starting Page # **118** Starting Line # **57** Fig/Table# Section **8.4.5.4**

Not clear what problem the sentence "For UIUC = 12 allocations may include broadcast CID and in addition, multicast polling CID when working in FDD mode. In case of multicast polling CID the allocation will be used only by members of the multicast polling group and ignored by other SS." is trying to solve. Not clear what is the meaning of broadcast CID in the UL, and how multicast polling should work when no data transmission on contention is allowed. Not clear why the restriction to FDD.

Suggested Remedy

Delete the sentence "For UIUC = 12 allocations may include broadcast CID and in addition, multicast polling CID when working in FDD mode. In case of multicast polling CID the allocation will be used only by members of the multicast polling group and ignored by other SS."

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Delete the sentence "For UIUC = 12 allocations may include broadcast CID and in addition, multicast polling CID when working in FDD mode. In case of multicast polling CID the allocation will be used only by members of the multicast polling group and ignored by other SS."

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **304**

Comment submitted by: Jaehee

Cho

Other

7/10/2005

Comment Type **Editorial** Starting Page # **118** Starting Line # **63** Fig/Table# Section **8.4.5.4**
Because of modification of AAS section, 8.4.4.6.4 only deals with AAS preamble instead of AAS allocation.

Suggested Remedy

8.4.5.4 UL-MAP IE format

[Change the last sentence in the last paragraph on page 118 as indicated:]

For further details on allocations in an UL AAS zone, see section 8.4.4.6-4.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **305**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **119** Starting Line # **7** Fig/Table# Section **8.4.5.4**

DVJ168(subclause=8.4.5.4,page=119,line=7):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Size

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **306**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **119** Starting Line # **8**

Fig/Table# Section **8.4.5.4**

DVJ166(subclause=8.4.5.4,page=119,line=8):
Please put (bits) in the header, not in all cells.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

Reason for rejection:

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ1

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **307**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **119** Starting Line # **8** Fig/Table# Section **8.4.5.4**

DVJ167(subclause=8.4.5.4,page=119,line=8):
Please put dash in empty cells.
I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **308**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **120** Starting Line # **16** Fig/Table# Section **8.4.5.4**

DVJ169(subclause=8.4.5.4,page=120,line=16):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Symbol

==>

symbol

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **309**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **120** Starting Line # **23** Fig/Table# Section **8.4.5.4**

DVJ170(subclause=8.4.5.4,page=120,line=23):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Symbols

==>

symbols

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **310**

Comment submitted by: Jaehee

Cho

Other

7/10/2005

Comment Type **Editorial**
grammar

Starting Page # **120** Starting Line # **41**

Fig/Table#

Section **8.4.5.4**

Suggested Remedy

8.4.5.4 UL-MAP IE format
[Modify the text as follows]

When a ranging allocation (UIUC = 12) is present in the UL-MAP, and the SS is in ranging backoff state, it shall count the ranging opportunities present in the ranging region. Only ranging allocations allocated in permutation zones supported by the SS, and matching the type of backoff the SS ~~is counting~~ (ranging or BW request) shall be considered as containing relevant ranging opportunities.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **311**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **120** Starting Line # **42** Fig/Table# Section **8.4.5.4.1**

DVJ171(subclause=8.4.5.4.1,page=120,line=42):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Allocation

==>

allocation

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **312**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **121** Starting Line # **7**

Fig/Table#

Section

8.4.5.4.1

DVJ174(subclause=8.4.5.4.1,page=121,line=7):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: UIUC

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

The change creates an inconsistent format with the baseline standard.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **313**

Comment submitted by: Yigal

Leiba

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **121** Starting Line # **35** Fig/Table# Section **8.4.5.4.1**

The deleted note in lines 35 to 38 carries important information. For instance MAC CID behaviour on initial ranging (6.3.2.3.5, 6.3.2.3.6), Contention resolution (6.3.8), etc.

Suggested Remedy

[Undelete the note](#)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: [Accepted-Modified](#)

Page 121, line 35, section 8.4.5.4.1

[Undelete the note \(delete the instruction above the deleted text\), delete the word "Note" in the restored text.](#)

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **314**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **121** Starting Line # **38** Fig/Table# Section **8.4.5.4.2**

DVJ172(subclause=8.4.5.4.2,page=121,line=38):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Symbol

==>

symbol

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **315**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **121** Starting Line # **45** Fig/Table# Section **8.4.5.4.2**

DVJ173(subclause=8.4.5.4.2,page=121,line=45):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

ymbols.

==>

ymbols.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **316**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **122** Starting Line # **9** Fig/Table# Section **8.4.5.4.3**

DVJ179(subclause=8.4.5.4.3,page=122,line=9):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Size

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **317**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **122** Starting Line # **10** Fig/Table# Section **8.4.5.4.3**

DVJ175(subclause=8.4.5.4.3,page=122,line=10):
Please put (bits) in the header, not in all cells.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

Reason for rejection:

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ1

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **318**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **122** Starting Line # **10** Fig/Table# Section **8.4.5.4.3**

DVJ177(subclause=8.4.5.4.3,page=122,line=10):

Please put dash in empty cells.

I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **319**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **122** Starting Line # **43**

Fig/Table#

Section **8.4.5.4.5**

DVJ180(subclause=8.4.5.4.5,page=122,line=43):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Size

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **320**

Comment submitted by: **David**

James

Member

7/8/2005

Comment	Type	Editorial, Binding	Starting Page #	122	Starting Line #	44	Fig/Table#	Section	8.4.5.4.5
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DVJ176(subclause=8.4.5.4.5,page=122,line=44):
Please put (bits) in the header, not in all cells.

Suggested Remedy
Fix here and throughout.

Proposed Resolution **Recommendation:** **Recommendation by**

Reason for Recommendation

Resolution of Group **Decision of Group: Rejected**

Reason for Group's Decision/Resolution

Reason for rejection:
We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ1

Group's Action Items

Editor's Notes **Editor's Actions**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **321**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **122** Starting Line # **45**

Fig/Table#

Section **8.4.5.4.5**

DVJ178(subclause=8.4.5.4.5,page=122,line=45):

Please put dash in empty cells.

I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **322**

Comment submitted by: Jaehee

Cho

Other

7/10/2005

Comment Type **Editorial** Starting Page # **122** Starting Line # **56** Fig/Table# **Tabl** Section **8.4.5.4.5**

The length of power control IE shall be 2 bytes (power control (1 byte) + power control measurement frame(1byte)).

Suggested Remedy

[Change length from 0x01 to 0x02 in the length field of table 292]

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

[Change length from 0x01 to 0x02 in the length field of table 292]

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **323**

Comment submitted by: Jose

Puthenkulam

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **123** Starting Line # **18** Fig/Table# Section **8.4.5.4.6**
[For Wendy C. Wong, Sundar G. Sankaran]

Since the AAS_UL_IE includes the length of the AAS zone, this could be used to identify the zone span.

Suggested Remedy

Change the first paragraph of Section 8.4.5.4.6 as follows:

The AAS_UL_IE defines a UL AAS Zone than spans continuous OFDMA symbols of length "AAS zone length."

Within a frame, the switch from non-AAS to AAS-enabled traffic is marked by using the extended UIUC = 15 with the AAS_UL_IE() to indicate that the subsequent allocation shall be for AAS traffic. The AAS_UL_IE defines a UL AAS Zone that spans continuous OFDMA symbols of length "AAS zone length." until terminated by a Zone Switch IE, another AAS_UL_IE or the end of the UL frame. Multiple UL AAS Zones can exist within the same frame. When used, the CID in the UL-MAP_IE() shall be set to the broadcast CID. All UL bursts in the AAS portion of the frame may be preceded by an AAS preamble based on the indication in the AAS_UL_IE(). The preamble is defined in 8.4.4.6.3.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Change the first paragraph of Section 8.4.5.4.6 as follows:

The AAS_UL_IE defines a UL AAS Zone than spans continuous OFDMA symbols of length "AAS zone length."

Within a frame, the switch from non-AAS to AAS-enabled traffic is marked by using the extended UIUC = 15 with the AAS_UL_IE() to indicate that the subsequent allocation shall be for AAS traffic. The AAS_UL_IE defines a UL AAS Zone that spans continuous OFDMA symbols of length "AAS zone length." until terminated by a Zone Switch IE, another AAS_UL_IE or the end of the UL frame. Multiple UL AAS Zones can exist within the same frame. When used, the CID in the UL-MAP_IE() shall be set to the broadcast CID. All UL bursts in the AAS portion of the frame may be preceded by an AAS preamble based on the indication in the AAS_UL_IE(). The preamble is defined in 8.4.4.6.3.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **324**

Comment submitted by: David

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **123**

Starting Line # **27**

Fig/Table#

Section

8.4.5.4.6

DVJ181(subclause=8.4.5.4.6,page=123,line=27):
Please put (bits) in the header, not in all cells.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

Reason for rejection:

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ1

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **325**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **123** Starting Line # **27**

Fig/Table#

Section **8.4.5.4.6**

DVJ183(subclause=8.4.5.4.6,page=123,line=27):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Size

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **326**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **123** Starting Line # **29**

Fig/Table# Section **8.4.5.4.6**

DVJ182(subclause=8.4.5.4.6,page=123,line=29):
Please put dash in empty cells.
I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **327**

Comment submitted by: **Asaf**

Matatyaou

Other

7/10/2005

Comment Type **Editorial** Starting Page # **123** Starting Line # **37** Fig/Table# **293** Section **8.4.5.4.6**
 Editorial change to Table 293. The comment in the "Notes" column states an incorrect value for the Length field.

Suggested Remedy

Pg. 123, line 37, make the following change:

Syntax	Size	Notes
Length	4 bits	Length = 0x0 <u>34</u>

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **328**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **124** Starting Line # **4**

Fig/Table#

Section

8.4.5.4.6

DVJ186(subclause=8.4.5.4.6,page=124,line=4):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Size

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **329**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **124** Starting Line # **44** Fig/Table# Section **8.4.5.4.7**

DVJ187(subclause=8.4.5.4.7,page=124,line=44):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Size

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **330**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **124** Starting Line # **45** Fig/Table# Section **8.4.5.4.7**

DVJ184(subclause=8.4.5.4.7,page=124,line=45):
Please put (bits) in the header, not in all cells.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

Reason for rejection:

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ1

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **331**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **124** Starting Line # **46**

Fig/Table#

Section **8.4.5.4.7**

DVJ185(subclause=8.4.5.4.7,page=124,line=46):
Please put dash in empty cells.
I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **332**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **125** Starting Line # **2**

Fig/Table#

Section **8.4.5.4.7**

DVJ190(subclause=8.4.5.4.7,page=125,line=2):
Table continuation needed.

Suggested Remedy

Add one.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **333**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **125** Starting Line # **41** Fig/Table# Section **8.4.5.4.8**

DVJ188(subclause=8.4.5.4.8,page=125,line=41):
Please put (bits) in the header, not in all cells.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

Reason for rejection:

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ1

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **334**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **125** Starting Line # **41** Fig/Table# Section **8.4.5.4.8**

DVJ189(subclause=8.4.5.4.8,page=125,line=41):
Please put dash in empty cells.
I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **335**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **125** Starting Line # **41**

Fig/Table#

Section **8.4.5.4.8**

DVJ191(subclause=8.4.5.4.8,page=125,line=41):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Size

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **336**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **127**

Starting Line # **37**

Fig/Table#

Section **8.4.5.4.9**

DVJ192(subclause=8.4.5.4.9,page=127,line=37):
Please put (bits) in the header, not in all cells.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

Reason for rejection:

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ1

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **337**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **127** Starting Line # **38**

Fig/Table# Section **8.4.5.4.9**

DVJ193(subclause=8.4.5.4.9,page=127,line=38):
Please put dash in empty cells.
I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment # **338**

Comment submitted by: Wen

Tong

Member

Comment Date

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **128** Starting Line #
The terminology is inconsistent: S/N, SNR, SINR, C/N, CINR

Fig/Table#

Section

8.4.5.4.10.1

Suggested Remedy

Suggest to select one, CINR

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted-Modified**

In section 8.4.5.4.10.1, use only CINR instead of S/N, SNR, SINR, C/N,

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **339**

Comment submitted by: Jaehee

Cho

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **128** Starting Line # **30** Fig/Table# Section **8.4.5.4.10**

Fast feedback channel can be allocated by CQICH IE as well as Fast feedback subheader. The spec. only mentions fast feedback subheader.

Suggested Remedy

8.4.5.4.10 FAST_FEEDBACK channels

[Modify the last paragraph of the subclause as follows]

The fast feedback slot includes 4 bits of payload data, whose encoding depended on the instruction given in the FAST_FEEDBACK subheader, [CQICH Control IE and CQICH Allocation IE](#). The following sections define these encodings.

8.4.5.4.10.1 Fast DL measurement feedback

[Modify the first paragraph as follows]

~~When the FAST_FEEDBACK subheader Feedback Type field is '00' the SS shall report the S/N it measures on the DL. When the BS instructs a SS using FAST_FEEDBACK subheader with Feedback Type field '00', CQICH Control IE or CQICH Allocation IE to report the downlink S/N through FAST-FEEDBACK slot(s), Equation (107) shall be used:~~

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

8.4.5.4.10 FAST_FEEDBACK channels

[Modify the last paragraph of the subclause as follows]

The fast feedback slot includes 4 bits of payload data, whose encoding depended on the instruction given in the FAST_FEEDBACK subheader, [CQICH Control IE and CQICH Allocation IE](#). The following sections define these encodings.

8.4.5.4.10.1 Fast DL measurement feedback

[Modify the first paragraph as follows]

~~When the FAST_FEEDBACK subheader Feedback Type field is '00' the SS shall report the S/N it measures on the DL. When the BS instructs a SS using FAST_FEEDBACK subheader with Feedback Type field '00', CQICH Control IE or CQICH Allocation IE to report the downlink CINR through FAST-FEEDBACK slot(s), Equation (107) shall be used:~~

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

8/10/2005

IEEE 802.16-05/042r5

Editor's Notes

Editor's Actions [k\) done](#)

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **340**

Comment submitted by: Peiyang

Zhu

Member

7/10/2005

Comment Type **Technical, Binding** Starting Page # **128** Starting Line # **35** Fig/Table# Section **8.4.5.4.10.1**

The current draft specifies a mechanism for adaptive coding and modulation (MCS) based on average CINR which may be fed backed through CQICH channel by SS. In CQICH Allocation IE, it indicates that SS will report channel quality indicator through fast feedback channel, where it defines CINR as the channel quality indicator. However, it is difficult to find a unique mapping between CINR and MCS due to the various receiver implementations, different deployment environment and mobile speed.

In addition, it is not clear in the standard where SS should measure the CINR. For a system with mixed zones, especially with mixed frequency reuse factor, adaptive coding and modulation may not work well.

In this contribution, we propose to clarify the channel quality indicator (CQI) feedback. Instead of using CINR as channel quality, we propose to allow CS to report an effective CINR. The effective CINR shall be a function of CINR, implementation aspect, channel type and Doppler. The actual measurement of CQI should be up to the implementation. However, a reference mapping between effective CQI and MCS should be clearly established and used by both BS and SS. This reference mapping can be specified in the standard or in the conformance document. By default, we can use the Table 338 as the reference for packet error rate 10-2. The conformance spec can override the reference table for different class of SSs, for example, it may define multiple tables for various FEC types.

Suggested Remedy

Adopt contribution C80216main-05_133.pdf

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

Rejected upon the request of the commentor

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **341**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **128** Starting Line # **43** Fig/Table# Section **8.4.5.4.10.1**

DVJ195(subclause=8.4.5.4.10.1,page=128,line=43):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Decoder
==>
decoder

Proposed Resolution Recommendation: Recommendation by

Reason for Recommendation

Resolution of Group Decision of Group: **Rejected**

Reason for Group's Decision/Resolution
The IEEE staff editor can cleanup this issue

Group's Notes

Group's Action Items

Editor's Notes Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **342**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **128** Starting Line # **44** Fig/Table# Section **8.4.5.4.10.1**

DVJ194(subclause=8.4.5.4.10.1,page=128,line=44):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Decoder

==>

decoder

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

The IEEE staff editor can cleanup this issue

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **343**

Comment submitted by: Jaehee

Cho

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **129** Starting Line # **45** Fig/Table# Section **8.4.5.4.10.4**

Same description for fast feedback slot operation is described in two different places.
One is mentioned as a part of 8.4.5.4.10.1
Another one is described in a separate subclause 8.4.5.4.10.4.

It is better to remove the separate subclauses considering harmonization with 16e.

Further, a part of 8.4.5.4.10.1 shall be moved before the description for MIMO case, because the differential encoding is pertinent to SISO.

Suggested Remedy

[Move the last paragraph(line 12~14 on page 129) before the first paragraph (line 33 on page 128) in 8.4.5.4.10.1]

[Delete the subclause 8.4.5.4.10.4 (from line 45~line52)]

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

[Move the last paragraph(line 12~14 on page 129) before the first paragraph (line 33 on page 128) in 8.4.5.4.10.1]

[Delete the subclause 8.4.5.4.10.4 (from line 45~line52)]

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Moved the paragraph below the editorial instruction

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **344**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **130** Starting Line # **8**

Fig/Table#

Section

8.4.5.4.11

DVJ196(subclause=8.4.5.4.11,page=130,line=8):
Please put (bits) in the header, not in all cells.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

Reason for rejection:

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ1

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **345**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **130** Starting Line # **8**

Fig/Table#

Section

8.4.5.4.11

DVJ198(subclause=8.4.5.4.11,page=130,line=8):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Size

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **346**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **130** Starting Line # **11** Fig/Table# Section **8.4.5.4.11**

DVJ197(subclause=8.4.5.4.11,page=130,line=11):

Please put dash in empty cells.

I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **347**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **131** Starting Line # **13**

Fig/Table#

Section **8.4.5.4.11**

DVJ204(subclause=8.4.5.4.11,page=131,line=13):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Rate

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **348**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **131** Starting Line # **14** Fig/Table# Section **8.4.5.4.11**

DVJ202(subclause=8.4.5.4.11,page=131,line=14):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Collaborative_SM_Indication

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **349**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **131**

Starting Line # **14**

Fig/Table#

Section

8.4.5.4.11

DVJ203(subclause=8.4.5.4.11,page=131,line=14):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: MIMO_
control

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **350**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **131** Starting Line # **15** Fig/Table# Section **8.4.5.4.11**

DVJ201(subclause=8.4.5.4.11,page=131,line=15):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Number
of Tx
antennas
per SS

Proposed Resolution Recommendation: Recommendation by

Reason for Recommendation

Resolution of Group Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **351**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **131** Starting Line # **44**

Fig/Table#

Section **8.4.5.4.12**

DVJ205(subclause=8.4.5.4.12,page=131,line=44):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Size

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **352**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **131**

Starting Line # **45**

Fig/Table#

Section

8.4.5.4.12

DVJ199(subclause=8.4.5.4.12,page=131,line=45):

Please put (bits) in the header, not in all cells.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

Reason for rejection:

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ1

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **353**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **131** Starting Line # **46**

Fig/Table#

Section **8.4.5.4.12**

DVJ200(subclause=8.4.5.4.12,page=131,line=46):

Please put dash in empty cells.

I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **354**

Comment submitted by: Pieter-Paul

Giesberts*

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **133** Starting Line # **4** Fig/Table# Section **8.4.5.4.13**

[*Identical comment submitted by Pieter-Paul Giesberts and Richard van Leeuwen]

UL ACK channel mapping of tiles to half-subchannels is ambiguous.

Suggested Remedy

Add a line to the end of the first paragraph as indicated below:

"The uplink ACK (Acknowledgement) provides feedback for Downlink Hybrid ARQ. This channel shall only be supported by SS supporting H-ARQ. The SS transmits ACK or NAK feedback for Downlink packet data. One ACK channel occupies a half subchannel, which is 3 pieces of 3x3 uplink tile in the case of optional PUSC or 3 pieces of 4x3 uplink tile in the case of PUSC. The even half subchannels consist of Tile(0), Tile(2) and Tile(4). The odd half subchannels consist of Tile(1), Tile(3) and Tile(5)."

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

Add a line to the end of the first paragraph as indicated below:

"The uplink ACK (Acknowledgement) provides feedback for Downlink Hybrid ARQ. This channel shall only be supported by SS supporting H-ARQ. The SS transmits ACK or NAK feedback for Downlink packet data. One ACK channel occupies a half subchannel, which is 3 pieces of 3x3 uplink tile in the case of optional PUSC or 3 pieces of 4x3 uplink tile in the case of PUSC. The even half subchannel consist of Tile(0), Tile(2) and Tile(4). The odd half subchannel consist of Tile(1), Tile(3) and Tile(5)."

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **355**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **133**

Starting Line # **22**

Fig/Table#

Section

8.4.5.4.13

DVJ208(subclause=8.4.5.4.13,page=133,line=22):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: ACK 1-bit symbol

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

The change creates an inconsistent format with the baseline standard.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **356**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **133**

Starting Line # **24**

Fig/Table#

Section

8.4.5.4.13

DVJ206(subclause=8.4.5.4.13,page=133,line=24):

Center these cells, narrow the heading.

Suggested Remedy

Do it.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **357**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **133**

Starting Line # **39**

Fig/Table#

Section

8.4.5.4.13

DVJ209(subclause=8.4.5.4.13,page=133,line=39):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Vector index

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

The change creates an inconsistent format with the baseline standard.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **358**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **133**

Starting Line # **45**

Fig/Table#

Section

8.4.5.4.13

DVJ207(subclause=8.4.5.4.13,page=133,line=45):

Center these cells, narrow the heading.

Suggested Remedy

Do it.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

The change creates an inconsistent format with the baseline standard.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **359**

Comment submitted by: Jaehee

Cho

Other

7/10/2005

Comment Type **Editorial**

Starting Page # **134** Starting Line # **63**

Fig/Table# **Figur** Section **8.4.5.4.13**

Figure 231b is the diagram for optional PUSC.

Suggested Remedy

8.4.5.4.13 UL ACK channel

[Change the caption for optional PUSC as follows]

Figure 231b - Subcarrier mapping of UL ACK modulation symbols for optional PUSC

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **360**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **135**

Starting Line # **18**

Fig/Table#

Section

8.4.5.4.14

DVJ210(subclause=8.4.5.4.14,page=135,line=18):

Please put (bits) in the header, not in all cells.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

Reason for rejection:

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ1

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **361**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **135** Starting Line # **18**

Fig/Table#

Section **8.4.5.4.14**

DVJ212(subclause=8.4.5.4.14,page=135,line=18):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Size

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **362**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **135** Starting Line # **20**

Fig/Table#

Section **8.4.5.4.14**

DVJ211(subclause=8.4.5.4.14,page=135,line=20):

Please put dash in empty cells.

I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **363**

Comment submitted by: Mo-Han

Fong

Member

7/10/2005

Comment Type Technical, Satisfied (was Starting Page # 135 Starting Line # 65 Fig/Table# Section 8.4.5.4.14

The current UL allocation has many ambiguities. Since there are many optional extended IEs that are used to allocation UL resources, a MS/SS that doesn't support all features will not be able to correctly determine the position of its UL allocation. Propose to use UL Allocation Start in normal UL MAP to address this problem.

Suggested Remedy

Add the UL Allocation Start IE currently in p802.16e/D9 to p802.16-2004/Cor1/D3. Add a new section 8.4.5.4.15, on page 135, after line 65.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted-Modified**

remove the following text on page 118, line 61 : "The SS shall be able to parse any UL_MAP IE (including extended IEs) that allocates UL bursts." and to adopt contribution C80216maint-05_140

Reason for Group's Decision/Resolution

Group's Notes

Vote in joint session to accept the comment as modified to remove the following text on page 118, line 61 : "The SS shall be able to parse any UL_MAP IE (including extended IEs) that allocates UL bursts." and to adopt contribution C80216maint-05_140

In favor: 32

Against: 8

Passes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **364**

Comment submitted by: **David**

James

Member

7/8/2005

Comment	Type	Editorial, Binding	Starting Page #	136	Starting Line #	39	Fig/Table#	Section	8.4.5.6.1
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DVJ215(subclause=8.4.5.6.1,page=136,line=39):
Table columns containing single word, numbers, or sentence fragments should be centered.

Suggested Remedy

Center the column under header: Size

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **365**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **136** Starting Line # **40**

Fig/Table# Section **8.4.5.6.1**

DVJ213(subclause=8.4.5.6.1,page=136,line=40):
Please put (bits) in the header, not in all cells.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

Reason for rejection:

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ1

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **366**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **136** Starting Line # **47** Fig/Table# Section **8.4.5.6.1**

DVJ214(subclause=8.4.5.6.1,page=136,line=47):
Please put dash in empty cells.
I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **367**

Comment submitted by: **Dave**

Pechner

Other

7/10/2005

Comment Type **Technical, Non-binding**

Starting Page # **136** Starting Line # **56**

Fig/Table#

Section

8.4.5.6.1

Defintion of compressed map type is missing

Suggested Remedy

In Notes column for "Compressed Map Type" row, add the following text "Shall be set to zero"

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

Remove the text 'Compressed Map Type', and insert 'Reserved' instead. In Notes column add the text "Shall be set to zero"

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **368**

Comment submitted by: Jim

Carlo

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **139** Starting Line # **18** Fig/Table# Section **8.4.6.1.1**

For the scenarios (Synchronous Configuration and Coordinated Synchronous Configuration) described in B.4 of IEEE 802.16-2004 Frequency reuse of 1 for OFDMA, when a Service Subscriber (SS) is in the vicinity of borders of 3 cells where SS can observe 3 preambles from 3 different segments of 3 cells, the repetition pattern of preamble in time domain no longer exists, which may lead to higher failure rate for acquisition or receiver need to change the design with high cost in term of more complicated design and higher power consumption.

Suggested Remedy

Adopt the remedy shown in the contribution "C80216maint-05_124" (Li Tao)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

Vote to accept the comment:

In favor: 2

Against: 7

Fails

Reason:

The problem presented has minor effect on cost and performance of the system, since it only happens on initial system entry. The proposed change on the other hand is drastic change to the way synchronization is currently achieved.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **369**

Comment submitted by: Giulio

Cavalli

Other

7/10/2005

Comment Type **Editorial** Starting Page # **139** Starting Line # **36** Fig/Table# Section **8.4.6.1.1**

A word in the middle of a sentence starts with the capital letter.

Suggested Remedy

At page 139, line 36 in section 8.4.6.1.1, modify the text as shown in the following (changes are in red):

modulated, for the preamble symbol there will be 172 guard band subcarriers on the ~~Left~~**left** side and the right

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **370**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **140**

Starting Line # **11**

Fig/Table#

Section

8.4.6.1.2.1

DVJ217(subclause=8.4.6.1.2.1,page=140,line=11):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Value

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

The change creates an inconsistent format with the baseline standard.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **371**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **140** Starting Line # **14** Fig/Table# Section **8.4.6.1.2.1**

DVJ216(subclause=8.4.6.1.2.1,page=140,line=14):

Please put dash in empty cells.

I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **372**

Comment submitted by: Jose

Puthenkulam

Member

7/10/2005

Comment Type **Editorial**

Starting Page # **140** Starting Line # **46**

Fig/Table# **310** Section **8.4.6.1.2.1**

[For Wendy C. Wong, Sundar G. Sankaran]

The entry in the second column of the last entry of Table 310 is irrelevant.

Suggested Remedy

Remove the entry on the last row, second column of Table 310.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted-Modified**

Remove the entry on the last row, second column (value) of Table 310.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **373**

Comment submitted by: Ambroise

Popper

Member

7/10/2005

Comment Type **Editorial**

Starting Page # **141**

Starting Line #

Fig/Table# **234**

Section **8.4.6.1.2**

In Corrigendum D3, the cluster structure is ambiguous. We suggest 2 slight modifications to remove this ambiguity.

Suggested Remedy

P141, figure 234, add the frequency axis to the figure (ascending subcarrier index from left to right)

P141, line 22-23, modify the text as follows:

"Odd and even symbols are counted from the beginning of the current zone. The first symbol in the zone excluding the downlink preamble is even."

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Superseded**

Reason for Group's Decision/Resolution

By comment #375

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**Ballot Number: **0001008**

Comment Date

Comment # **374**

Comment submitted by: Pieter-Paul

Giesberts*

Member

7/10/2005

Comment	Type	Technical, Satisfied (was	Starting Page #	141	Starting Line #	1	Fig/Table#	234	Section	8.4.6.1.2.1
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[*Identical comment submitted by Pieter-Paul Giesberts and Richard van Leeuwen]

Figure 234 does not specify unambiguously whether subcarriers increase in frequency going from left to right or the other way around. If the figure is consistent with Figure 233 it means that frequency increases going from left to right. Also, it is unclear if the DL preamble counts as the first symbol of the first zone. There used to be a sentence in 8.4.9.1 (randomization) that mentioned that the DL preamble was counted as symbol 0, but that sentence was deleted by the corrigendum. Section 8.4.5.3 seems to be the only indication that the preamble is counted as a 'real' symbol.

Suggested Remedy

Change text below Figure 234 as follows:

"Figure 234 shows subcarriers from left to right in order of increasing subcarrier index. Odd and even symbols are counted from the beginning of the current zone. The first symbol in the zone is even. The DL preamble is considered the first symbol of the first zone."

Proposed Resolution**Recommendation:****Recommendation by****Reason for Recommendation****Resolution of Group****Decision of Group: Accepted-Modified**

Change text below Figure 234 as follows:

"Figure 234 shows subcarriers from left to right in order of increasing subcarrier index. Odd and even symbols are counted from the beginning of the current zone. The first symbol in the zone is even."

Reason for Group's Decision/Resolution**Group's Notes****Group's Action Items****Editor's Notes****Editor's Actions** k) done**Editor's Questions and Concerns****Editor's Action Items**

Document under Review: **P802.16-2004/Cor1/D3**Ballot Number: **0001008**

Comment Date

Comment # **375**

Comment submitted by: Yigal

Leiba

Member

7/10/2005

Comment	Type	Technical, Satisfied (was	Starting Page #	141	Starting Line #	4	Fig/Table#	Section	8.4.6.1.2.1
---------	------	---------------------------	-----------------	-----	-----------------	---	------------	---------	-------------

The reversal of odd/even symbol definitions creates an inconsistency in the tile structure between the first PUSC zone in which the preamble is indexed 0, and the first symbol is indexed 1, and subsequent PUSC zones which must start in an even symbol. It should be clarified that in the odd/even symbol designation does not relate to symbol index as defined in general, and it is just used for consistent definition of the PUSC tile structure.

Suggested Remedy

On page 141, line 23, modify the sentence to read:

"Odd and even symbols are counted from the beginning of the current zone. The first symbol in the zone is even. The odd/even symbol designation defined here does not relate to symbol index as defined in general, and it is just used for consistent definition of the PUSC tile structure. For the first PUSC zone, the preamble shall not be counted as part of the zone for the purpose of odd/even symbol determination."

Proposed Resolution**Recommendation:****Recommendation by**

Figure 219 explicitly shows that the preamble is not the part of the first PUSC zone. Further, in the current spec. I can't find any text saying the preamble is the part of the first PUSC zone.

Reason for Recommendation**Resolution of Group****Decision of Group: Accepted-Modified**

On page 141, line 23, modify the sentence to read:

"For the purpose of determining PUSC pilot location, odd and even symbols are counted from the beginning of the current zone. The first symbol in the zone is even. The preamble shall not be counted as part of the first zone"

Reason for Group's Decision/Resolution**Group's Notes****Group's Action Items****Editor's Notes****Editor's Actions** k) done**Editor's Questions and Concerns****Editor's Action Items**

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **376**

Comment submitted by: Rajesh

Bhalla

Member

7/10/2005

Comment Type **Technical, Satisfied (was** Starting Page # **141** Starting Line # **26** Fig/Table# Section **8.4.6.1.2.1.1**

C802.16maint-05/102r5 (Comment#107) have been discussed, revised, voted, and accepted. However, only part of the resolution in C802.16maint-05/102r5 has been incorporated into Cor1/D3 due to editing error. The missing resolution in C802.16maint-05/102r5 was resubmitted as C802.16maint-05/102r6 to be incorporated into Cor1/D4.

Suggested Remedy

Adopt the resolution of C802.16maint-05/102r6 or the latest revision for Cor1/D4.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

Adopt the resolution of C802.16maint-05/102r7 or the latest revision for Cor1/D4.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **377**

Comment submitted by: Jose

Puthenkulam

Member

7/10/2005

Comment Type **Technical, Non-binding**
[For Wendy C. Wong, Sundar G. Sankaran]

Starting Page # **141**

Starting Line # **33**

Fig/Table#

Section **8.4.6.1.2.1.1**

There is no reason to change the PermBase when Use all SC indicator changes. This complicates the implementation without gaining any advantages.

Suggested Remedy

Change the second item in the numbered list in Section 8.4.6.1.2.1.1:

2) Renumbering the physical clusters into logical clusters using the following formula:

LogicalCluster = RenumberingSequence((PhysicalCluster+13*DL_PermBase) mod 120).

In the first PUSC zone of the downlink (first downlink zone) the default used DL_PermBase is preamble IDcell. When the 'Use all SC indicator=0' or '**all SC indicator=1**', in the STC_DL_Zone_IE(), DL_PermBase is replaced with the DL_PermBase in the STC_DL_Zone_IE(). For ~~A~~all other cases DL_PermBase parameter in the STC_DL_Zone_IE() shall be used.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Withdrawn**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **378**

Comment submitted by: Ilan

Zohar

Member

7/10/2005

Comment Type Technical, Satisfied (was Starting Page # 141 Starting Line # 33 Fig/Table# Section 8.4.6.1.2.1.1
[Identical non-binding comment submitted by nonmember Yuval Lomnitz.]

Reuse 1 support for first PUSC zone

Although reuse 1 deployment is supported by different OFDMA zones (PUSC, FUSC, OFUSC), the outer permutation seed in the first zone prevents using this option. We propose a small correction that will enable reuse 1 deployment

Suggested Remedy

Adopt contribution C80216maint-05/119 (Reuse 1 support for first PUSC zone)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

Vote to accept the comment:

In favor: 19

Against: 11

Fails

The proposed remedy introduces more harm than benefit. On the harm side it introduces blind scanning, which would slow the network entry. On the benefit side, partial loading is inferior to planned reuse < 1, so the benefit is not significant. In addition the proposed change provides an enhancement to the standard in order to improve performance.

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **379**

Comment submitted by: Jose

Puthenkulam

Member

7/10/2005

Comment Type **Technical, Non-binding**
[For Wendy C. Wong, Sundar G. Sankaran]

Starting Page # **141** Starting Line # **53**

Fig/Table# Section **8.4.6.1.2.1.1**

This is not clear on how to map the modulation symbols to the subcarriers within a subchannel.

Suggested Remedy

Change the fifth item in the numbered list on Section 8.4.6.1.2.1.1 as indicated:

5) The data subcarriers (modulation symbols) of each slot shall be mapped to the subchannel such that data subcarriers (modulation symbols) numbered 0 to 23 reside on the first (time wise) symbol of each symbol pair on the subcarriers whose index is 0 to 23 respectively in Equation (111) and the data subcarriers (modulation symbols) numbered 24 to 47 reside on the second symbol on the subcarriers whose index is 0 to 23 respectively in Equation (111). Equation (111) maps the modulation symbols (0 to 47) to the subcarriers.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Withdrawn

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **380**

Comment submitted by: Jungnam

Yun

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **141** Starting Line # **58** Fig/Table# Section **8.4.6.1.2.1.1**

The parameter DL_PermBase is defined by two different values in the first DL zone: 0 for cluster renumbering and preamble IDcell for subcarrier permutation. Without further modification of the subcarrier allocation procedure 1) - 5), we'd better add a note for the purpose of clarification.

Suggested Remedy

add below at line 58 in page 141.

6) Note that the parameter 'DL_PermBase' shall be defined by two different values in the first DL zone: '0' for cluster renumbering and 'preamble IDcell' for subcarrier permutation.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Withdrawn**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **381**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **142** Starting Line # **9**

Fig/Table#

Section

8.4.6.1.2.2

DVJ219(subclause=8.4.6.1.2.2,page=142,line=9):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Value

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

The change creates an inconsistent format with the baseline standard.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **382**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **142** Starting Line # **32** Fig/Table# Section **8.4.6.1.2.2**

DVJ218(subclause=8.4.6.1.2.2,page=142,line=32):

Please put dash in empty cells.

I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**Ballot Number: **0001008**

Comment Date

Comment # **383**

Comment submitted by: Panyuh

Joo

Member

7/10/2005

Comment	Type	Technical, Satisfied (was	Starting Page #	143	Starting Line #	27	Fig/Table#	Section	8.4.6.1.2.3
---------	------	---------------------------	-----------------	-----	-----------------	----	------------	---------	-------------

Clarify pilot and subcarrier allocation for optional FUSC.
 For optional FUSC, pilot shall be allocated excluding DC and guard subcarriers.
 It is not explicitly described in the current spec.

Suggested Remedy

8.4.6.1.2.3 Additional optional Symbol Structure for FUSC

[Add the following text at the beginning of the subclause]

The additional optional subchannel structure in the downlink supports 32 subchannels where each transmission uses 48 data carriers symbols as their minimal block of processing. In the downlink, all the pilot carriers are allocated first, and then the remaining carriers are used exclusively for data transmission. Nused subcarriers except the DC subcarrier are divided into 9 contiguous subcarriers in which one pilot carrier is allocated. The position of the pilot carrier in 9 contiguous subcarriers varies according to the index of OFDM symbol which contains the subcarriers. If the 9 contiguous subcarriers indexed as 0...8, the index of the pilot carrier shall be $3l + 1$ where $l = m \bmod 3$ (m is the symbol index).

Proposed Resolution**Recommendation:****Recommendation by****Reason for Recommendation****Resolution of Group****Decision of Group: Accepted**

8.4.6.1.2.3 Additional optional Symbol Structure for FUSC

[Add the following text at the beginning of the subclause]

The additional optional subchannel structure in the downlink supports 32 subchannels where each transmission uses 48 data carriers symbols as their minimal block of processing. In the downlink, all the pilot carriers are allocated first, and then the remaining carriers are used exclusively for data transmission. Nused subcarriers except the DC subcarrier are divided into 9 contiguous subcarriers in which one pilot carrier is allocated. The position of the pilot carrier in 9 contiguous subcarriers varies according to the index of OFDM symbol which contains the subcarriers. If the 9 contiguous subcarriers indexed as 0...8, the index of the pilot carrier shall be $3l + 1$ where $l = m \bmod 3$ (m is the symbol index).

Reason for Group's Decision/Resolution**Group's Notes****Group's Action Items****Editor's Notes****Editor's Actions** k) done

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **384**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **143**

Starting Line # **37**

Fig/Table#

Section

8.4.6.1.2.3

DVJ220(subclause=8.4.6.1.2.3,page=143,line=37):

Please put dash in empty cells.

I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **385**

Comment submitted by: Giulio

Cavalli

Other

7/10/2005

Comment Type **Editorial**

Starting Page # **144**

Starting Line # **59**

Fig/Table#

Section

8.4.6.2.2

The first bullet of the first paragraph is #1 and not #3.

Suggested Remedy

At page 144, line 59 in section 8.4.6.2.2, modify the text as shown in the following (changes are in red):

- 31.** Divide the 420 tiles into six groups, containing 70 adjacent tiles each. Tiles are considered adjacent if they have successive logical indices.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

At page 144, line 59 in section 8.4.6.2.2, modify the text as shown in the following (changes are in red):

- 31.** Divide the 420 tiles into six groups, containing 70 adjacent tiles each. Tiles are considered adjacent if they have successive logical indices.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **386**

Comment submitted by: Ran

Yaniv

Member

7/10/2005

Comment	Type	Technical, Non-binding	Starting Page #	144	Starting Line #	59	Fig/Table#	Section	8.4.6.2.2
---------	------	------------------------	-----------------	-----	-----------------	----	------------	---------	-----------

The following text was added to Cor1/D3, page 144, line 59:

"Divide the 420 tiles into six groups, containing 70 adjacent tiles each. Tiles are considered adjacent if they have successive logical indices."
 However, the 70 adjacent tiles are adjacent in the "physical" sense, not the "logical" sense.

Suggested Remedy

Modify text on page 144, line 59:

Divide the 420 tiles into six groups, containing 70 adjacent tiles each. Tiles are considered adjacent if they have successive ~~logical~~ physical indices.

Proposed Resolution	Recommendation:	Recommendation by
----------------------------	------------------------	--------------------------

Reason for Recommendation

Resolution of Group	Decision of Group: Accepted
----------------------------	------------------------------------

Modify text on page 144, line 59:

Divide the 420 tiles into six groups, containing 70 adjacent tiles each. Tiles are considered adjacent if they have successive ~~logical~~ physical indices.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes **Editor's Actions** k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **387**

Comment submitted by: Jose

Puthenkulam

Member

7/10/2005

Comment Type **Technical, Non-binding**
[For Wendy C. Wong, Sundar G. Sankaran]

Starting Page # **145** Starting Line # **18**

Fig/Table# Section **8.4.6.2.2**

Add the following to Cor1/D3 from 802.16-2004:

Suggested Remedy

Insert the following at the end of Section 8.4.6.2.2:

Change the definitions below (114) as follows:

n is the running index (0 ... 47) representing the modulation symbol index,
s is the subchannel number before renumbering (as represented in the UCD bitmap),
Nsubcarriers is the number of subcarriers per subchannel.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Withdrawn**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **388**

Comment submitted by: **Lei**

Wang

Member

7/10/2005

Comment Type **Technical, Satisfied (was**
DataSubCarriers_Used is not defined

Starting Page # **146** Starting Line # **10**

Fig/Table# Section **8.4.6.2.4**

Suggested Remedy

Delete equation 114a ; or define *DataSubCarriers_Used*.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted-Modified**

Change "*DataSubCarriers_Used*" to "used data subcarriers"

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **389**

Comment submitted by: **Rajesh**

Bhalla

Member

7/10/2005

Comment Type **Technical, Satisfied (was** Starting Page # **147** Starting Line # **23** Fig/Table# Section **8.4.6.2.6**
There is a potential conflict between H-ARQ and non-H-ARQ SS when they perform subchannel rotations differently.

Suggested Remedy

Adopt the resolution in C80216maint-05_123 or the latest revision.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Superseded**

Reason for Group's Decision/Resolution

By comment# **390**

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**Ballot Number: **0001008**

Comment Date

Comment # **390**

Comment submitted by: Jaehee

Cho

Other

7/10/2005

Comment	Type	Technical, Non-binding	Starting Page #	147	Starting Line #	28	Fig/Table#	Section	8.4.6.2.6
---------	------	------------------------	-----------------	-----	-----------------	----	------------	---------	-----------

SS that is not supporting H-ARQ MAP can't decode the allocation made by Compact UL-MAP IE for H-ARQ Region allocation (6.3.2.3.43.7.5) or Compact UL-MAP IE for CQICH Region allocation(6.3.2.3.43.7.6).

Further, such 2D allocation for H-ARQ MAP can override CQICH allocation. So the allocation made by Compact UL-MAP IE for H-ARQ Region allocation (6.3.2.3.43.7.5) or Compact UL-MAP IE for CQICH Region allocation(6.3.2.3.43.7.6) are transparent to non-HARQ SS.

Suggested Remedy

8.4.6.2.6 Data subchannel rotation scheme

[Change the first paragraph as indicated:]

A rotation scheme shall be applied per each OFDMA slot-duration in any zone, except zones marked as AAS zone, optional PUSC zone (8.4.6.2.5) or zone using the adjacent-subcarriers permutations (8.4.6.3). Slot-duration is defined in 8.4.3.1. On each slot-duration, the rotation scheme shall be applied to all UL subchannels that belong to the segment (see 8.4.4.5), except those subchannels indicated in the UL-MAP by UIUC = 0, UIUC = 13 or UIUC = 12 ~~or the allocation made by Compact UL-MAP IE for H-ARQ Region allocation (6.3.2.3.43.7.5) or Compact UL-MAP IE for CQICH Region allocation(6.3.2.3.43.7.6)~~. The rotation scheme is defined by applying the following rules:

[Change the first and last items of the numerated list following the first paragraph as indicated:]

- 1) Per OFDMA slot duration, pick only subchannels that are not indicated by either UIUC = 0, UIUC = 12 or UIUC = 13 (as defined above) ~~or the allocation made by Compact UL-MAP IE for HARQ Region allocation (6.3.2.3.43.7.5) or Compact UL-MAP IE for CQICH Region allocation(6.3.2.3.43.7.6)~~. Renumber these subchannels contiguously, such that the lowest numbered physical subchannel is renumbered with 0. The total number of subchannels picked shall be designated Nsubchn.
- 6) For subchannels in the UL-MAP indicated by either UIUC = 0, UIUC=12 or UIUC=13 ~~or the allocation made by Compact UL-MAP IE for H-ARQ Region allocation (6.3.2.3.43.7.5) or Compact UL-MAP IE for CQICH Region allocation(6.3.2.3.43.7.6)~~, new_subchannel_number = old_subchannel_number

Proposed Resolution**Recommendation:****Recommendation by****Reason for Recommendation****Resolution of Group****Decision of Group: Accepted**

8.4.6.2.6 Data subchannel rotation scheme

[Change the first paragraph as indicated:]

A rotation scheme shall be applied per each OFDMA slot-duration in any zone, except zones marked as AAS zone, optional PUSC zone (8.4.6.2.5) or zone using the adjacent-subcarriers permutations (8.4.6.3). Slot-duration is defined in 8.4.3.1. On each slot-duration, the rotation scheme shall be applied to all UL subchannels that belong to the segment (see 8.4.4.5), except those subchannels indicated in the UL-MAP by UIUC = 0, UIUC = 13 or UIUC = 12 ~~or the allocation made by Compact UL-MAP IE for H-ARQ Region allocation (6.3.2.3.43.7.5) or Compact UL-MAP IE for CQICH Region allocation(6.3.2.3.43.7.6)~~. The rotation scheme is defined by applying the following rules:

[Change the first and last items of the numerated list following the first paragraph as indicated:]

- 1) Per OFDMA slot duration, pick only subchannels that are not indicated by either UIUC = 0, UIUC = 12 or UIUC = 13 (as defined above) ~~or the allocation made by Compact UL-MAP-IE for HARQ Region allocation (6.3.2.3.43.7.5) or Compact UL-MAP-IE for CQICH Region allocation(6.3.2.3.43.7.6)~~. Renumber these subchannels contiguously, such that the lowest numbered physical subchannel is renumbered with 0. The total number of subchannels picked shall be designated Nsubchn.
- 6) For subchannels in the UL-MAP indicated by either UIUC = 0, UIUC=12 or UIUC=13 ~~or the allocation made by Compact UL-MAP-IE for HARQ Region allocation (6.3.2.3.43.7.5) or Compact UL-MAP-IE for CQICH Region allocation(6.3.2.3.43.7.6)~~, new_subchannel_number = old_subchannel_number

Reason for Group's Decision/Resolution

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **391**

Comment submitted by: Panyuh

Joo

Member

7/10/2005

Comment	Type	Technical, Non-binding	Starting Page #	147	Starting Line #	47	Fig/Table#	Section	8.4.6.2.6
---------	------	------------------------	-----------------	-----	-----------------	----	------------	---------	-----------

For the subchannel rotation scheme, Sidx is needed.
 However, it is not clear how to count Sidx across different permutation zones.
 We propose to reset Sidx for each zone.

Suggested Remedy

8.4.6.2.6 Data subchannel rotation scheme

[Change the 3rd bullet as indicated:]

3. Mark the first UL OFDMA slot-duration for each permutation zone with the slot index Sidx = 0. Within the permutation zone, increase Sidx by 1 in every slot duration such that subsequent slots are numbered 1,2,3... etc.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

8.4.6.2.6 Data subchannel rotation scheme

[Change the 3rd bullet as indicated:]

3. Mark the first UL OFDMA slot-duration for each permutation zone with the slot index Sidx = 0. Within the permutation zone, increase Sidx by 1 in every slot duration such that subsequent slots are numbered 1,2,3... etc.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **392**

Comment submitted by: Jose

Puthenkulam

Member

7/10/2005

Comment Type **Technical, Non-binding**
[For Wendy C. Wong, Sundar G. Sankaran]

Starting Page # **147**

Starting Line # **51**

Fig/Table#

Section **8.4.6.2.6**

Clarify the order of performing the various tasks.

Suggested Remedy

Insert the following sentence at the end of Section 8.4.6.2.6:

The data subchannel rotation shall be performed before the mapping of modulation symbols to the subcarriers of a subchannel defined in 8.4.6.2.2.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Withdrawn**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **393**

Comment submitted by: Lei

Wang

Member

7/10/2005

Comment Type **Technical, Satisfied (was** Starting Page # **147** Starting Line # **52** Fig/Table# Section **8.4.6.2.6**
It is not clear how to apply the rotated subchannels to each allocation.

Suggested Remedy

Add bullet 7) below bullet 6):

7)The *new_subchannel_number* will replace the *old_subchannel_number* in each allocation defined by section 8.4.3.4

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

Add new bullet 7):

7)The *new_subchannel_number* will replace the *old_subchannel_number* in each allocation defined by section 8.4.3.4.

Where the *new_subchannel_number* is the output of the rotation scheme, and the *old_subchannel_number* is the input of the rotation scheme.

Reason for Group's Decision/Resolution

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **394**

Comment submitted by: Jaehee

Cho

Other

7/10/2005

Comment Type **Editorial**
Typo

Starting Page # **148**

Starting Line # **45**

Fig/Table#

Section **8.4.6.3**

Suggested Remedy

8.4.6.3 Optional permutations for AMC

[Change the paragraph below Figure 238 as indicated:]

AMC allocations can be made by two mechanisms: by subchannel index reference in UL-MAP and DLMAP, or by subchannel allocation in a band using H-ARQ map (defined in 6.3.2.3.43). Each UL or DL zone may include allocations from H-ARQ and normal map. For regular AMC allocations made by the DL-MAP or UL-MAP, an AMC subchannel of type NM (where $NM=6$) is defined as 6 contiguous bins (a slot consists of N bins by M symbols). The subchannels are numbered from the lowest (0) to the highest frequency, such that subchannel k ($k=0-192/N$) consists of bins Nk to $Nk + N - 1$

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **395**

Comment submitted by: Ambroise

Popper

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **149** Starting Line # Fig/Table# Section **8.4.7**

8.4.7, 1st sentence

"The MAC layer may define a single ranging channel."

One understanding is that

1 - there can be only one UL-MAP-IE with UIUC=12 in an UL-MAP

2 - therefore it is impossible to perform simultaneously initial and periodic ranging in a frame

This needs to be stated explicitly in the standard

Suggested Remedy

add clarification to 8.4.7

Proposed Resolution Recommendation:

Recommendation by

Remove the word 'single'

The word 'single' is indeed confusing, since it is intended to refer to the ranging channel as a logical entity rather than a physical one.

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

Section 8.4.7, Change the first paragraph

~~When used with the WirelessMAN-OFDMA-PHY, the MAC layer shall define a single ranging channel.~~

This A ranging channel is composed of one or more groups of six adjacent subchannels, using the symbol structure defined in 8.4.6.2.1 ...

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **396**

Comment submitted by: Jungnam

Yun

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **149** Starting Line # **5**

Fig/Table# Section **8.4.6.3**

In the equation (116), $P_{\text{per}}(j)$ is an element in $GF(7^2)$ but off is not.

Suggested Remedy

In page 149, line 5, modify the definition of 'off' as below,

$\text{off} = ([\text{PermBase}/48]) \bmod 49$. off is an element of $GF(7^2)$.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

$\text{off} = ([\text{PermBase}/48]) \bmod 49$. This field is an element of $GF(7^2)$.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **397**

Comment submitted by: Yigal

Leiba

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **150** Starting Line # **28** Fig/Table# Section **8.4.7.3**

Seems like the reversal of bits 'b14:b0' is a wrong implementation of a comment from the WG letter ballot

Suggested Remedy

If this is indeed wrong implementation of a comment from the WG letter ballot, replace 'b14:b0' by 'b0:b14' and fix the drawing accordingly. Also fix example

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Superseded**

Reason for Group's Decision/Resolution

By comment #399

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **398**

Comment submitted by: Jose

Puthenkulam

Member

7/10/2005

Comment Type **Technical, Non-binding**
[For Wendy C. Wong, Sundar G. Sankaran]

Starting Page # **150**

Starting Line # **28**

Fig/Table#

Section **8.4.7.3**

There are errors in the paragraph and missing conditions.

Suggested Remedy

Change the first paragraph of Section 8.4.7.3 as indicated:

The PRBS generator shall be initialized by the seed $b_{14}...b_0 = 0,0,1,0,1,0,1,1,s_0,s_1,s_2,s_3,s_4,s_5,s_6$ where s_6 is the MSB of the PRBS seed, and $s_6:s_0 = UL_PermBase$, where s_6 is the MSB of ~~UL_~~PermBase. If there is no UL zone switch IE before the ranging allocation IE, the UL PermBase shall be the 7 LSB of Permutation Base in the UCD. If there is a UL zone switch IE before the ranging allocation IE, the UL PermBase shall be set to the UL PermBase value in the zone switch IE.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Withdrawn**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **399**

Comment submitted by: Panyuh

Joo

Member

7/10/2005

Comment	Type	Technical, Non-binding	Starting Page #	150	Starting Line #	30	Fig/Table#	Section	8.4.7.3
---------	------	------------------------	-----------------	-----	-----------------	----	------------	---------	---------

S6 is LSB for the PRBS seed.

Suggested Remedy

8.4.7.3 Ranging codes

[Change the second sentence of the first paragraph as indicated:]

The PRBS generator shall be initialized by the seed ~~b0...b15~~b14...b0 = 0,0,1,0,1,0,1,1,s0,s1,s2,s3,s4,s5,s6 where s6 is the ~~MSB~~ LSB of the PRBS seed, and s6:s0 = UL_IDcellPermBase, where s6 is the MSB of UL_IDcellPermBase.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

8.4.7.3 Ranging codes

[Change the second sentence of the first paragraph as indicated:]

The PRBS generator shall be initialized by the seed ~~b0...b15~~b14...b0 = 0,0,1,0,1,0,1,1,s0,s1,s2,s3,s4,s5,s6 where s6 is the ~~MSB~~ LSB of the PRBS seed, and s6:s0 = UL_IDcellPermBase, where s6 is the MSB of UL_IDcellPermBase.

Reason for Group's Decision/Resolution

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **400**

Comment submitted by: Pieter-Paul

Giesberts*

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **150** Starting Line # **31**

Fig/Table# Section **8.4.7.3**

[*Identical comment submitted by Pieter-Paul Giesberts and Richard van Leeuwen]

There are several issues with this paragraph:

- * Incorrect markup (UL_IDcellPermBase)
- * Text specifies s6 to be MSB of initialisation seed, whereas the figure shows it to be LSB
- * The whole MSB/LSB confusion can be avoided by clarifying the direction of bit-shifting

Note: function or output of PRBS generator are not changed by the proposed changes.

Suggested Remedy

Change text as follows:

"The PRBS generator shall be initialized by the seed ~~b0..b15~~b14...b0 = 0,0,1,0,1,0,1,1,s0,s1,s2,s3,s4,s5,s6 where ~~s6 is the MSB of the PRBS seed~~bits are shifted from b0 towards b14, and s6:s0 = UL_IDcellPermBase, where s6 is the MSB of UL ~~ID~~cellPermBase."

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Superseded

Reason for Group's Decision/Resolution

By comment #399

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **401**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **150** Starting Line # **33** Fig/Table# Section **8.4.7.3**

DVJ221(subclause=8.4.7.3,page=150,line=33):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Sequence

==>

sequence

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **402**

Comment submitted by: Jungnam

Yun

Other

7/10/2005

Comment Type **editorial**
typo

Starting Page # **151** Starting Line # **46**

Fig/Table# Section **8.4.7.4**

Suggested Remedy

In page 151, line 46, modify the sentence as below,

(or until there are less than N1 ~~slots~~ [symbols](#) in the current subchannel),

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

In page 151, line 46, modify the sentence as below,

(or until there are less than N1 ~~slots~~ [symbols](#) in the current subchannel),

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **403**

Comment submitted by: **Ran**

Yaniv

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **154** Starting Line # **50** Fig/Table# Section **8.4.8.1.4**
In sections 8.4.8.1.4 and 8.4.8.2.3 STC matrices are defined for 2 and 4 antennas. The definition and resulting mapping is ambiguous and conflicts with text in 8.4.8.1.2.1

Suggested Remedy

Clarify.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

Rejected upon a request of the commentor due to lack of specific text

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **404**

Comment submitted by: Panyuh

Joo

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **158** Starting Line # **41** Fig/Table# Section **8.4.9.1**

In the last meeting, a comment to clean up the diagram for the randomization is accepted in condition of not touching the original intention. In Cor1/D3, only the LSB and MSM locations of the diagram are changed and it results in reversing the order of seed in Cor1/D3. A complete cleaning-up can be achieved by exchanging the LSB and MSB of the seed also.

Suggested Remedy

8.4.9.1 Randomization

[Change the paragraph above Figure 254 as follows:]

The randomizer is initialized with the vector ~~created as shown in Figure 254.~~ [M_{LSB}] 0 1 1 0 1 1 1 0 0 0 1 0 1 0 1 [L_{MSB}].

8.4.9.2.3.5.2 Randomization

[Change the paragraph below figure 260 as follows]

The scrambler is initialized with the vector ~~created as shown in Figure 261. The lowest 5 bits are IDcell or UL_IDcell and the other bits are set "0".~~ [M_{LSB}] 0 1 1 0 1 1 1 0 0 0 1 0 1 0 1 [L_{MSB}].

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

8.4.9.1 Randomization

[Change the paragraph above Figure 254 as follows:]

The randomizer is initialized with the vector ~~created as shown in Figure 254.~~ [M_{LSB}] 0 1 1 0 1 1 1 0 0 0 1 0 1 0 1 [L_{MSB}].

8.4.9.2.3.5.2 Randomization

[Change the paragraph below figure 260 as follows]

The scrambler is initialized with the vector ~~created as shown in Figure 261. The lowest 5 bits are IDcell or UL_IDcell and the other bits are set "0".~~ [M_{LSB}] 0 1 1 0 1 1 1 0 0 0 1 0 1 0 1 [L_{MSB}].

Reason for Group's Decision/Resolution

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions k) done

8/10/2005

IEEE 802.16-05/042r5

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**Ballot Number: **0001008**

Comment Date

Comment # **405**

Comment submitted by: Ran

Yaniv

Member

7/10/2005

Comment	Type	Technical, Non-binding	Starting Page #	158	Starting Line #	42	Fig/Table#	Section	8.4.7.3
---------	------	------------------------	-----------------	-----	-----------------	----	------------	---------	---------

Several supposedly editorial corrections to the definitions of LSB-MSB ordering in PRBSs have been made in Cor1/D3. However these changes alter the functionality of these PRBSs and introduce new inconsistencies:

- 2) In figures 253, 260: the changes to MSB-LSB definition should also be done to the described initialization sequence for consistency.
- 3) figure 243 and accompanying text is now confusing: the figure was changed to indicate that s6 is now the LSB of the PRBS seed, however the modified text indicates that it is the MSB.
- 4) It should be clarified in text accompanying figure 262, that b10 is the MSB of the PRBS seed.

Suggested Remedy

- 1) modify text on page 158, lines 42-43 as follows:

The randomizer is initialized with the vector ~~created as shown in Figure 254.~~ [**M**LSB] 0 1 1 0 1 1 1 0 0 0 1 0 1 0 1 [**L**MSB].

- 2) modify text on page 164, lines 28-29 as follows:

The scrambler is initialized with the vector ~~created as shown in Figure 261. The lowest 5 bits are IDcell or UL_IDcell and the other bits are set "0."~~ [**M**LSB] 0 1 1 0 1 1 1 0 0 0 1 0 1 0 1 [**L**MSB].

- 3) modify text on page 150, lines 28-29, as follows:

The PRBS generator shall be initialized by the seed ~~b0...b15~~b14...b0 = 0,0,1,0,1,0,1,1,s0,s1,s2,s3,s4,s5,s6 where s6 is the **M**LSB of the PRBS seed ...

- 4) modify text on page 166, line 55:

The initialization vector of the PRBS for both uplink and downlink shall be designated b10..b0, **where b10 is the MSB of the PRBS seed**, such that:

8/10/2005

IEEE 802.16-05/042r5

Reason for Recommendation

Resolution of Group

Decision of Group: [Superseded](#)

Reason for Group's Decision/Resolution

[By comment #404](#)

Group's Notes

[D](#)

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **406**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **159** Starting Line # **51** Fig/Table# Section **8.4.9.2.2**

DVJ222(subclause=8.4.9.2.2,page=159,line=51):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Coding

==>

coding

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **407**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **160** Starting Line # **9**

Fig/Table#

Section

8.4.9.2.2

DVJ225(subclause=8.4.9.2.2,page=160,line=9):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: R=1/2

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

The change creates an inconsistent format with the baseline standard.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **408**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **160** Starting Line # **9**

Fig/Table#

Section

8.4.9.2.2

DVJ226(subclause=8.4.9.2.2,page=160,line=9):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: R=3/4

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

The change creates an inconsistent format with the baseline standard.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **409**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **160** Starting Line # **9**

Fig/Table#

Section

8.4.9.2.2

DVJ227(subclause=8.4.9.2.2,page=160,line=9):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: R=1/2

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

The change creates an inconsistent format with the baseline standard.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **410**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **160** Starting Line # **9**

Fig/Table#

Section

8.4.9.2.2

DVJ228(subclause=8.4.9.2.2,page=160,line=9):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: R=3/4

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

The change creates an inconsistent format with the baseline standard.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **411**

Comment submitted by: **David**

James

Member

7/8/2005

Comment	Type	Starting Page #	Starting Line #	Fig/Table#	Section
	Editorial, Binding	160	9		8.4.9.2.2

DVJ229(subclause=8.4.9.2.2,page=160,line=9):
Table columns containing single word, numbers, or sentence fragments should be centered.

Suggested Remedy

Center the column under header: R=1/2

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

IEEE staff editor will fix up such editorial details

Group's Notes

Motion by Lei Wang, seconded by:ltzik Kitroser to reject all remaining comments which suggest to change alignment of columns in table that exists in the baseline standaed:

Comments: 411,412,413,417,418,421,422,423,424,425,426,427,428,431,432,433,434,435,437,439, 440,463,472,483,484,485,

Vote:

In favor: 14

Against: 0

Passes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **412**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **160** Starting Line # **9**

Fig/Table#

Section

8.4.9.2.2

DVJ230(subclause=8.4.9.2.2,page=160,line=9):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: R=3/4

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

IEEE staff editor will fix up such editorial details

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **413**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **160** Starting Line # **9**

Fig/Table#

Section

8.4.9.2.2

DVJ231(subclause=8.4.9.2.2,page=160,line=9):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Coded
Bytes

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

IEEE staff editor will fix up such editorial details

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **414**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **160** Starting Line # **9** Fig/Table# Section **8.4.9.2.2**

DVJ234(subclause=8.4.9.2.2,page=160,line=9):
Capitalization within table-column headers should be limited to the first word, as per IEEE Style Guide.

Suggested Remedy

Coded
Bytes
==>
Coded
bytes

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **415**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **160** Starting Line # **10** Fig/Table# Section **8.4.9.2.2**

DVJ235(subclause=8.4.9.2.2,page=160,line=10):
Capitalization within table-column headers should be limited to the first word, as per IEEE Style Guide.

Suggested Remedy

Encoding
Rate
==>
Encoding
rate

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **416**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **160** Starting Line # **13** Fig/Table# Section **8.4.9.2.2**

DVJ236(subclause=8.4.9.2.2,page=160,line=13):
Capitalization within table-column headers should be limited to the first word, as per IEEE Style Guide.

Suggested Remedy

Allowed

Data
(Bytes)

==>

Allowed

data
(bytes)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **417**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **160**

Starting Line # **22**

Fig/Table#

Section

8.4.9.2.2

DVJ223(subclause=8.4.9.2.2,page=160,line=22):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Coded
Bytes

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

IEEE staff editor will fix up such editorial details

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **418**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **160**

Starting Line # **22**

Fig/Table#

Section

8.4.9.2.2

DVJ224(subclause=8.4.9.2.2,page=160,line=22):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Data
Bytes

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

IEEE staff editor will fix up such editorial details

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **419**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **160** Starting Line # **22** Fig/Table# Section **8.4.9.2.2**

DVJ232(subclause=8.4.9.2.2,page=160,line=22):
Capitalization within table-column headers should be limited to the first word, as per IEEE Style Guide.

Suggested Remedy

Data
Bytes
==>
Data
bytes

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **420**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **160** Starting Line # **22** Fig/Table# Section **8.4.9.2.2**

DVJ233(subclause=8.4.9.2.2,page=160,line=22):
Capitalization within table-column headers should be limited to the first word, as per IEEE Style Guide.

Suggested Remedy

Coded
Bytes
==>
Coded
bytes

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **421**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **161**

Starting Line # **16**

Fig/Table#

Section

8.4.9.2.3.1

DVJ237(subclause=8.4.9.2.3.1,page=161,line=16):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Number of
subchannelsslots

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

IEEE staff editor will fix up such editorial details

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **422**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **161**

Starting Line # **43**

Fig/Table#

Section

8.4.9.2.3.1

DVJ240(subclause=8.4.9.2.3.1,page=161,line=43):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Code
rate

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

IEEE staff editor will fix up such editorial details

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **423**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **161**

Starting Line # **43**

Fig/Table#

Section

8.4.9.2.3.1

DVJ241(subclause=8.4.9.2.3.1,page=161,line=43):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: N

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

IEEE staff editor will fix up such editorial details

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **424**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **161**

Starting Line # **43**

Fig/Table#

Section

8.4.9.2.3.1

DVJ242(subclause=8.4.9.2.3.1,page=161,line=43):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: P0

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

IEEE staff editor will fix up such editorial details

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **425**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **161**

Starting Line # **43**

Fig/Table#

Section

8.4.9.2.3.1

DVJ243(subclause=8.4.9.2.3.1,page=161,line=43):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: P1

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

IEEE staff editor will fix up such editorial details

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **426**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **161**

Starting Line # **43**

Fig/Table#

Section

8.4.9.2.3.1

DVJ244(subclause=8.4.9.2.3.1,page=161,line=43):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: P2

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

IEEE staff editor will fix up such editorial details

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **427**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **161** Starting Line # **43**

Fig/Table#

Section

8.4.9.2.3.1

DVJ245(subclause=8.4.9.2.3.1,page=161,line=43):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: P3

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

IEEE staff editor will fix up such editorial details

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **428**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **161** Starting Line # **43**

Fig/Table#

Section **8.4.9.2.3.1**

DVJ246(subclause=8.4.9.2.3.1,page=161,line=43):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Modulation

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

IEEE staff editor will fix up such editorial details

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **429**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **161** Starting Line # **44** Fig/Table# Section **8.4.9.2.3.1**

DVJ238(subclause=8.4.9.2.3.1,page=161,line=44):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Data
block size
(bytes)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **430**

Comment submitted by: David

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **161** Starting Line # **44** Fig/Table# Section **8.4.9.2.3.1**

DVJ239(subclause=8.4.9.2.3.1,page=161,line=44):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Encoded
data block
size (bytes)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **431**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **162** Starting Line # **8**

Fig/Table#

Section **8.4.9.2.3.1**

DVJ248(subclause=8.4.9.2.3.1,page=162,line=8):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: N

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

IEEE staff editor will fix up such editorial details

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **432**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **162** Starting Line # **8**

Fig/Table#

Section

8.4.9.2.3.1

DVJ249(subclause=8.4.9.2.3.1,page=162,line=8):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: P

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

IEEE staff editor will fix up such editorial details

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **433**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **162** Starting Line # **8**

Fig/Table#

Section

8.4.9.2.3.1

DVJ250(subclause=8.4.9.2.3.1,page=162,line=8):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: P

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

IEEE staff editor will fix up such editorial details

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **434**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **162** Starting Line # **8**

Fig/Table#

Section

8.4.9.2.3.1

DVJ251(subclause=8.4.9.2.3.1,page=162,line=8):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: P2

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

IEEE staff editor will fix up such editorial details

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **435**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **162** Starting Line # **8**

Fig/Table#

Section **8.4.9.2.3.1**

DVJ252(subclause=8.4.9.2.3.1,page=162,line=8):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: P3

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

IEEE staff editor will fix up such editorial details

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **436**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **162** Starting Line # **9** Fig/Table# Section **8.4.9.2.3.1**

DVJ247(subclause=8.4.9.2.3.1,page=162,line=9):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Data
block size
(bytes)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **437**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **163** Starting Line # **15** Fig/Table# Section **5**

DVJ256(subclause=5.,page=163,line=15):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: N

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

IEEE staff editor will fix up such editorial details

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **438**

Comment submitted by: David

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **163** Starting Line # **16** Fig/Table# Section **5**

DVJ257(subclause=5.,page=163,line=16):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Block size
(bits)
NEP

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We need to be consistent with the baseline document, so unless you insert each and every table of 2004 which is not changed by the current draft and perform then change you will create an inconsistent document.

Group's Notes

DJ3

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **439**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **163** Starting Line # **17** Fig/Table# Section **5**

DVJ254(subclause=5.,page=163,line=17):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: m

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

IEEE staff editor will fix up such editorial details

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **440**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **163** Starting Line # **17** Fig/Table# Section **5**

DVJ255(subclause=5.,page=163,line=17):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: J

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

IEEE staff editor will fix up such editorial details

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **441**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **163** Starting Line # **35** Fig/Table# Section **8.4.9.2.3.5**

DVJ253(subclause=8.4.9.2.3.5,page=163,line=35):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Support

==>

support

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **442**

Comment submitted by: Panyuh

Joo

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **163** Starting Line # **42** Fig/Table# Section **8.4.9.2.3.5**

The correct order of H-ARQ subpacket generation is as follows: Padding, CRC addition, Fragmentation, Randomization and encoding. However the current text has different order.

Suggested Remedy

8.4.9.2.3.5 Optional H-ARQ Support

[Add the following text just below the subclauses title.]

The procedure of H-ARQ CTC subpacket generation is as follows: Padding, CRC addition, Fragmentation, Randomization and CTC encoding.

[Move the whole subclause of 8.4.9.2.3.5.2 and change the subclause number as follows]

8.4.9.2.3.5.~~24~~ Randomization

[Change the paragraph below figure 260 as follows]

The scrambler is initialized with the vector ~~created as shown in Figure 261. The lowest 5 bits are IDcell or UL_IDcell and the other bits are set "0".~~

[~~M~~LSB] 0 1 1 0 1 1 1 0 0 0 1 0 1 0 1 [~~L~~MSB].

[Change the subclause number as follows]

8.4.9.2.3.5.~~32~~ CRC encoding

8.4.9.2.3.5.~~43~~ Fragmentation

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

8.4.9.2.3.5 Optional H-ARQ Support

[Add the following text just below the subclauses title.]

The procedure of H-ARQ CTC subpacket generation is as follows: Padding, CRC addition, Fragmentation, Randomization and CTC encoding.

[Change the subclause number as follows]

8.4.9.2.3.5.~~24~~ Randomization

8.4.9.2.3.5.~~32~~ CRC encoding

8.4.9.2.3.5.~~43~~ Fragmentation

Reason for Group's Decision/Resolution

8/10/2005

IEEE 802.16-05/042r5

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **443**

Comment submitted by: David

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **164** Starting Line # **6**

Fig/Table#

Section

8.4.9.2.3.5

DVJ258(subclause=8.4.9.2.3.5,page=164,line=6):

****NO!****

Never put th LSB on the left.

Suggested Remedy

Flip the entire figure, so LSB is on the right.

Here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

If the figure is coherent than why not?

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **444**

Comment submitted by: **Lei**

Wang

Member

7/10/2005

Comment	Type	Starting Page #	Starting Line #	Fig/Table#	Section
The name "MOD" in Table 331 and Table 333 is not defined.	Technical, Non-binding	164	48		8.4.9.2.3.5.6

Suggested Remedy

make the following changes:

1. in line 48 page 164, insert the following:

add the following sentence at the end of the first paragraph in section 8.4.9.2.3.5.6

The modulation order is denoted by MOD in Table 331, and it has the values of 2 for QPSK, 4 for 16-QAM, and 6 for 64-QAM.

2. in line 29 page 165, insert the following:

add the following sentence at the end of the first paragraph in section 8.4.9.2.3.5.7

The modulation order is denoted by MOD in Table 333, and it has the values of 2 for QPSK, 4 for 16-QAM, and 6 for 64-QAM.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

make the following changes:

1. in line 48 page 164, insert the following:

add the following sentence at the end of the first paragraph in section 8.4.9.2.3.5.6

The modulation order is denoted by MOD in Table 331, and it has the values of 2 for QPSK, 4 for 16-QAM, and 6 for 64-QAM.

2. in line 29 page 165, insert the following:

add the following sentence at the end of the first paragraph in section 8.4.9.2.3.5.7

The modulation order is denoted by MOD in Table 333, and it has the values of 2 for QPSK, 4 for 16-QAM, and 6 for 64-QAM.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

8/10/2005

IEEE 802.16-05/042r5

Implemented as follows:

"In Table 331, the modulation order is denoted by *MOD*, and it has the values of two for QPSK, four for 16-QAM, and six for 64-QAM. *Sch* denotes for the number of allocated slots. "

"In Table 333, the modulation order is denoted by *MOD*, and it has the values of two for QPSK, four for 16-QAM, and six for 64-QAM. *Sch* denotes for the number of allocated slots. "

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**Ballot Number: **0001008**

Comment Date

Comment # **445**Comment submitted by: **Lei****Wang**

Member

7/10/2005

Comment	Type	Technical, Satisfied (was	Starting Page #	164	Starting Line #	52	Fig/Table#	Section	8.4.9.2.3.5.3
---------	------	---------------------------	-----------------	-----	-----------------	----	------------	---------	---------------

The parameter N_{SCH} is defined as allocated subchannels, and is used together with N_{EP} to specify an HRQ CTC-IR allocation. Based on Table 331 and Table 333, the max value of N_{SCH} can be 480. This is not right, because, as defined so far, the maximum number of subchannels is 96, i.e., 2k-FFT, optional UL PUSC. So, what's Sch in Table 331 and Table 333? number of slots, not number of subchannels?

Suggested Remedy

in line 55 page 164, add the following sentence:

In Table 331 and Table 333, Sch denotes for the number of allocated slots.

Proposed Resolution**Recommendation:****Recommendation by****Reason for Recommendation****Resolution of Group****Decision of Group: Accepted-Modified**

in line 55 page 164, add the following sentence:

In Table 331 and Table 333, Sch denotes for the number of allocated slots.

[insert text as follows on page 164, line 48]

For DL, the modulation order (2 for QPSK, 4 for 16-QAM, and 6 for 64-QAM) shall be set for all the allowed transmission formats as shown in Table 329. The transmission format is given by the NEP (Encoding Packet Size) and the NSCH (number of allocated **subchannels slots**). NEP per an encoding packet is {144, 192, 288, 384, 480, 960, 1920, 2880, 3840, 4800}. The NSCH per an encoding packet is {1, ..., 480}. In the table, the numbers in the first row are $NEP^{\circ}\emptyset$ s and the numbers in the remaining rows are $NSCH^{\circ}\emptyset$ s and related parameters.

[Delete the following text on page 164, line 49 (this chaneg is included in the text below)]

~~Change the first sentence of the third paragraph below Equation (128) as indicated:
The information of NEP and NSCH shall be signaled in ULH-ARQ MAP~~

[insert text as follows on page 164, line 53]

The information of NEP and NSCH shall be signaled in ~~ULH-ARQ~~ MAP. Instead of the actual values of NEP and Nsch, the encoded value of NEP (NEP code) and Nsch (Nsch code) shall be used for the signaling. They are encoded by 4 bits, respectively. The encoding of NEP (NEP code) is shown in Table 330. The encoding of NSCH (Nsch code) is performed per NEP value. For each NEP, there are less than 16 kinds of NSCH values and they are encoded from $^{\circ}\emptyset$ (the smallest number of **subchannels slots**) to $^{\circ}15^{\circ}\emptyset$ in increasing order. When the kinds of NSCH for a NEP is smaller than 16 and it is z, the smallest z codes are used. When the fragmentation is applied and the number of the subpackets for an allocation is n, $n * NEP$ and Nsch (the number of **subchannels slots** allocated for a subpacket) should be signaled

NEP and NSCH (the number of **subchannels slots** allocated for a subpacket) should be signaled.

[Delete the following text on page 165, line 30 (this change is included in the text below)]

Change the fourth sentence of the first paragraph as indicated:

The NSCH per an encoding packet is {1...288240}.

[insert text as follows on page 165, line 34]

For UL, the modulation order (2 for QPSK and 4 for 16-QAM) shall be set for all the allowed transmission formats as shown in Table 331. The transmission format is given by the NEP (Encoding Packet Size) and the NSCH (number of allotted **subchannels slots**). NEP per an encoding packet is {48, 96, 144, 192, 288, 384, 480, 960, 1920, 2880, 3840, 4800}. The NSCH per an encoding packet is {1...~~288240~~}. In the table, the numbers in the first row are NEP°Øs and the numbers in the remaining rows are NSCH°Øs and related parameters.

[insert text as follows on page 165, line 34]

The information of NEP and NSCH shall be signaled in **ULH-ARQ** MAP. Instead of the actual values of NEP and Nsch, the encoded value of NEP (NEP code) and Nsch (Nsch code) shall be used for the signaling. They are encoded by 4 bits, respectively. The encoding of NEP (NEP code) is shown in Table 330. The encoding of NSCH (Nsch code) is performed per NEP value. For each NEP, there are less than 16 kinds of NSCH values and they are encoded from °Æ0°Ø (the smallest number of **subchannels slots**) to °Æ15°Ø in increasing order. When the kinds of NSCH for a NEP is smaller than 16 and it is z, the smallest z codes are used. When the fragmentation is applied and the number of the subpackets for an allocation is n, n*NEP and Nsch (the number of **subchannels slots** allocated for a subpacket) should be signaled.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions l) none needed

The first change was implemented as an addition to the end of the first paragraph in the section (8.4.9.2.3.5.6 and 8.4.9.2.3.5.7) as follows:
 "In Table 331, the modulation order is denoted by MOD, and it has the values of two for QPSK, four for 16-QAM, and six for 64-QAM. Sch denotes for the number of allocated slots. "
 "In Table 333, the modulation order is denoted by MOD, and it has the values of two for QPSK, four for 16-QAM, and six for 64-QAM. Sch denotes for the number of allocated slots. "
 (The definition of MOD was provided in comment 444)

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **446**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **165** Starting Line # **15** Fig/Table# Section **8.4.9.2.3.5.6**

DVJ259(subclause=8.4.9.2.3.5.6,page=165,line=15):

Please put dash in empty cells.

I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **447**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **165** Starting Line # **42** Fig/Table# Section **8.4.9.2.3.5.7**

DVJ260(subclause=8.4.9.2.3.5.7,page=165,line=42):

Please put dash in empty cells.

I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **448**

Comment submitted by: Ambroise

Popper

Member

7/10/2005

Comment	Type	Technical, Non-binding	Starting Page #	166	Starting Line #	Fig/Table#	Section	8.4.9.4.1
---------	------	------------------------	-----------------	-----	-----------------	------------	---------	-----------

Section 8.4.9.4.1 is unclear. We believe the correct interpretation is:

For each OFDMA symbol, the Nused subcarriers shall be randomized by the PRBS generator output as follows for the n-th symbol of the zone:

- 1 - the PRBS state shall be initialized according to the ULPermbase, IDcell, etc..
- 2 - the PRBS state shall be rotated n times to get the initial state of the PRBS generator for OFDMA symbol n
- 3 - all the Nused subcarriers shall be randomized according to the PRBS generator output

Suggested Remedy
 rewrite text to clarify this portion

Proposed Resolution **Recommendation:** **Recommendation by**

Reason for Recommendation

Resolution of Group **Decision of Group: **Withdrawn****

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes **Editor's Actions**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **449**

Comment submitted by: Ilan

Zohar

Member

7/10/2005

Comment Type Technical, Satisfied (was Starting Page # 166 Starting Line # 18 Fig/Table# Section 8.4.9.3
[Identical non-binding comment submitted by nonmember Yuval Lomnitz.]

Combination of permutation with interleaver degrades performance

The interleaver definition with $d=16$ might cause a performance degradation in some cases, due to a disastrous combination of interleaving and permutation. This is because, in OFDMA, the permutation actually performs an "interleaving like" operation, which partially reverse the current interleaver operation with the current interleaver partially reversing it. This performance degradation occurs with is typical to burst allocations having with low frequency diversity, for example: bursts allocated to a single sub-channel. In these cases, adjacent coded bits (before the interleaver) might be transmitted on the same sub-carrier. Thus the interleaver operation becomes useless.

Thus, we propose modifications to both interleaving scheme and permutation to allow equal (better) performance to all burst allocations.

Suggested Remedy

Adopt contribution C80216maint-05/068r1

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

Adopt contribution C80216maint-05/068r3

Reason for Group's Decision/Resolution

Vote to call the question:

Passes by unanimous voice vote:

Vote to accept the comment (to adopt contribution C80216maint-05/068r3):

In favor: 31

Against: 0

Passes

8/10/2005

IEEE 802.16-05/042r5

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions k) done

The first change (7.1) was done to Table 268 and not 266 since this is the table in the relevant section.

Change (7.2) the referenced table in section 11.8.3.7.3 is not the updated one, changes made with accordance of the current table.

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **450**

Comment submitted by: Jose

Puthenkulam

Member

7/10/2005

Comment Type **Technical, Non-binding**
[For Wendy C. Wong, Sundar G. Sankaran]

Starting Page # **166**

Starting Line # **55**

Fig/Table#

Section **8.4.9.4.1**

The numbering of bits is not intuitive and the reference to UL_IDcell is obsolete.

Suggested Remedy

Change the last paragraph on Page 166 as indicated:

The initialization vector of the PRBS for both uplink and downlink shall be designated b10..b0, such that:

b04..b40 = Five least significant bits of IDcell as indicated by the frame preamble in the first downlink zone, DL_PermBase following STC_DL_Zone_IE() and 5 LSB of DL_PermBase following AAS_DL_IE in the downlink. Five least significant bits of ~~IDcell~~UL_PermBase (as determined by the preamble permutation base in the UCD, the UL zone switch IE or AAS_UL_IE) in the uplink

b56..b65 = Set to the segment number + 1 as indicated by the frame preamble in the first downlink zone and the 2 LSBs of PRBS_ID as indicated by the STC_DL_Zone_IE() or AAS_DL_IE() in other downlink zones, 0b11 in the uplink.

b710..b107 =0b1111 (all ones) in the downlink and four least significant bits of the Frame Number in the uplink.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Withdrawn

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**Ballot Number: **0001008**

Comment Date

Comment # **451**

Comment submitted by: Panyuh

Joo

Member

7/10/2005

Comment	Type	Technical, Non-binding	Starting Page #	166	Starting Line #	62	Fig/Table#	Section	8.4.9.4.1
---------	------	------------------------	-----------------	-----	-----------------	----	------------	---------	-----------

In the last meeting, a comment to clean up the diagram for the PRBS generation is accepted in condition of not touching the original intention. As a results, MSB has smaller index than LSB for each PRBS sub-seed. It is necessary to clarify where is MSB for sub-seed. The sub-seed means b0-b4, b5-b6, b7-b10.

Suggested Remedy8.4.9.4.1 ~~Permutation definition~~ Subcarrier randomization

[Change the second paragraph below Figure 262 as inidcated:]

The initialization vector of the PRBS for both uplink and downlink shall be designated b10..b0, such that:

b40..b64 = Five least significant bits of IDcell as indicated by the frame preamble in the first downlink zone, DL_PermBase following STC_DL_Zone_IE() and 5 LSB of DL_PermBase following AAS_DL_IE, ~~except for zones marked by "Use all SC indicator = 1, ± where these bits shall be set to 1,~~ in the downlink. Five least significant bits of ~~UL~~IDcell (as determined by the preamble) in the uplink. For downlink and uplink, b0 is MSB and b4 is LSB, respectively.

b5..b46 = Set to the segment number + 1 as indicated by the frame preamble in the first downlink zone and the 2 LSBs of PRBS_ID as indicated by the STC_DL_Zone_IE() or AAS_DL_IE() in other downlink zones, ~~except for zones marked by "Use all SC indicator = 1, ± where these bits shall be set to 1~~ in the uplink. For downlink and uplink, b5 is MSB and b6 is LSB, respectively.

b37..b10 = 0b1111 (all ones) in the downlink and four least significant bits of the Frame Number in the uplink. ~~Four least significant bits of symbol offset from the first data symbol in the frame (i.e., the symbol in the frame in which the DL-MAP starts).~~ For downlink and uplink, b7 is MSB and b10 is LSB, respectively.

Proposed Resolution**Recommendation:****Recommendation by****Reason for Recommendation****Resolution of Group****Decision of Group: Accepted**8.4.9.4.1 ~~Permutation definition~~ Subcarrier randomization

[Change the second paragraph below Figure 262 as inidcated:]

The initialization vector of the PRBS for both uplink and downlink shall be designated b10..b0, such that:

b40..b64 = Five least significant bits of IDcell as indicated by the frame preamble in the first downlink zone, DL_PermBase following STC_DL_Zone_IE() and 5 LSB of DL_PermBase following AAS_DL_IE, ~~except for zones marked by "Use all SC indicator = 1, ± where these bits shall be set to 1,~~ in the downlink. Five least significant bits of ~~UL~~IDcell (as determined by the preamble)

in the uplink. For downlink and uplink, b0 is MSB and b4 is LSB, respectively.

b5..b46 = Set to the segment number + 1 as indicated by the frame preamble in the first downlink zone and the 2 LSBs of PRBS_ID as indicated by the STC_DL_Zone_IE() or AAS_DL_IE() in other downlink zones., ~~except for zones marked by "Use all SC indicator = 1," where these bits shall be set to 10b11 in the uplink.~~ For downlink and uplink, b5 is MSB and b6 is LSB, respectively.

b37..b10 = 0b1111 (all ones) in the downlink and four least significant bits of the Frame Number in the uplink. ~~Four least significant bits of symbol offset from the first data symbol in the frame (i.e., the symbol in the frame in which the DL MAP starts).~~ For downlink and uplink, b7 is MSB and b10 is LSB, respectively.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **452**

Comment submitted by: Pieter-Paul

Giesberts*

Member

7/10/2005

Comment Type Technical, Satisfied (was Starting Page # **167** Starting Line # **13** Fig/Table# Section **8.4.9.4.1**)

[*Identical comment submitted by Pieter-Paul Giesberts and Richard van Leeuwen]

The text from IEEE P802.16-2004/Cor1/D3, states:

"The PRBS shall be rotated n times, $n = \text{Symbol_Offset} \bmod 32$, before applying it to the subcarriers, ..."

It is unclear what "rotated" means in this case. If taken literally, this could mean that the generated sequence is completely rotated, so that the last n subcarriers should apply the first n bits of the PRBS, while for the rest subcarrier s would use PRBS bit s+n.

This is not what is wanted, instead also the last n subcarriers should use PRBS bit s+n.

This can be ensured by stating that the PRBS generator is clocked an additional n times.

Suggested Remedy

Change the text as follows:

"The PRBS generator shall be ~~rotated~~ clocked n times, $n = \text{Symbol_Offset} \bmod 32$, before the generated output is applied to the subcarriers."

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Change the text as follows:

"The PRBS generator shall be ~~rotated~~ clocked n times, $n = \text{Symbol_Offset} \bmod 32$, before the generated output is applied to the subcarriers."

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions |) none needed

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**Ballot Number: **0001008**

Comment Date

Comment # **453**

Comment submitted by: Jose

Puthenkulam

Member

7/10/2005

Comment Type **Technical, Non-binding**Starting Page # **167** Starting Line # **13**

Fig/Table#

Section **8.4.9.4.1**

[For Wendy C. Wong, Sundar G. Sankaran]

The word "rotated" is confusing.

Suggested Remedy

Change the last paragraph of Section 8.4.9.4.1 as indicated:

For example, should the initialization vector of the PRBS be $b_{10..b0} = 10101010101$, the initializations result in the sequence $w_k = 10101010101000000000\dots$ in the uplink. The PRBS shall be ~~clocked~~**rotated** n times, $n = \text{Symbol_Offset} \bmod 32$, before applying it to the subcarriers, where symbol offset is counted from the first symbol in each zone as zero in the downlink and from Allocation start time in the uplink (i.e. the first symbol in the uplink subframe is indexed 0). As a result, the PRBS shall be used such that its n 'th output bit will coincide with the first usable subcarrier as defined for the zone in which the symbol resides. Subcarriers belonging to UL allocations with $UIUC=12$ or $UIUC=13$ shall not be randomized. A new value shall be generated by the PRBS for every subcarrier up to the highest numbered usable subcarrier, in order of physical subcarriers, including the DC subcarrier and usable subcarriers that are not allocated.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Superseded**

Reason for Group's Decision/Resolution

[By comment #452](#)

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **454L**

Comment submitted by: Jungnam

Yun

Other

7/11/2005

Comment Type **Technical, Non-binding** Starting Page # **167** Starting Line # **13**
For symbol offset == 0, the 1st (not zeroth?) output bit will coincide with the first usable subcarrier.

Fig/Table# Section **8.4.9.4.1**

Suggested Remedy

Change p. 167, line 13, as below

The PRBS shall be rotated n times, $n = \text{Symbol_Offset} \bmod 32$, before applying it to the subcarriers, where symbol offset is counted from the first symbol in each zone as zero in the downlink and from Allocation start time in the uplink (i.e. the first symbol in the uplink subframe is indexed 0). As a result, the PRBS shall be used such that its $n+1$ 'th output bit will coincide with the first usable subcarrier as defined for the zone in which the symbol resides. Subcarriers belonging to UL allocations with UIUC=12 or UIUC=13 shall not be randomized. A

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

Change the last paragraph in section 8.4.9.4.1

As a result, the PRBS shall be used such that its n 'th output bit will coincide with the first usable subcarrier as defined for the zone in which the symbol resides. **The output bit shall be counted from zero.** Subcarriers belonging to UL allocations with UIUC=12 or UIUC=13 shall not be randomized.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **455**

Comment submitted by: Jose

Puthenkulam

Member

7/10/2005

Comment Type **Technical, Non-binding**
[For Wendy C. Wong, Sundar G. Sankaran]

Starting Page # **167**

Starting Line # **22**

Fig/Table#

Section

8.4.9.4.1

Add an example for clarity.

Suggested Remedy

Insert the following below the last paragraph of Section 8.4.9.4.1:

Consider 2048 FFT and DL PUSC. Let w_0, w_1, w_2, \dots be the bits generated after loading the correct initialization vector. The subcarriers of the first symbol in the zone (with symbol offset of zero) shall use the bits $w_0, w_1, w_2, \dots, w_{1680}$. For subcarriers of the second symbol (with symbol offset of 1) shall use the bits $w_1, w_2, w_3, \dots, w_{1681}$.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted-Modified**

Insert the following below the last paragraph of Section 8.4.9.4.1:

Consider DL PUSC. Let w_0, w_1, w_2, \dots be the bits generated after loading the correct initialization vector. The subcarriers of the first symbol in the zone (with symbol offset of zero) shall use the bits $w_0, w_1, w_2, \dots, w_{1680}$. For subcarriers of the second symbol (with symbol offset of 1) shall use the bits $w_1, w_2, w_3, \dots, w_{1681}$.

Reason for Group's Decision/Resolution

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions k) done

8/10/2005

IEEE 802.16-05/042r5

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **456**

Comment submitted by: InSeok

Hwang

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **167** Starting Line # **23** Fig/Table# Section **8.4.9.4.1**

The allocation in AAS zone to which sub-carrier randomization with PRBS is not applied should be specified for clarification.

Suggested Remedy

[Modify the text as follows]

A new value shall be generated by the PRBS for every subcarrier up to the highest numbered usable subcarrier, in order of physical subcarrier, including the DC subcarrier and usable subcarriers that are not allocated. **In AAS zone, only the subcarriers used for AAS Diversity-Map Zone shall not be randomized.**

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted-Modified**

Adopt contribution C80216maint-05_146

Reason for Group's Decision/Resolution

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**Ballot Number: **0001008**

Comment Date

Comment # **457**

Comment submitted by: Jaehee

Cho

Other

7/10/2005

Comment	Type	Technical, Non-binding	Starting Page #	167	Starting Line #	37	Fig/Table#	Section	8.4.9.4.2
---------	------	------------------------	-----------------	-----	-----------------	----	------------	---------	-----------

The last few paragraphs in 8.4.9.4.2 Data modulation subclause are added by different persons in the last few meeting. So the order of the paragraphs is not organized well. We propose new text to exchange their order.

Further, the meaning of the last paragraph is not clear and we propose a text to clarify the meaning.

From

In the downlink and uplink, such subcarriers where no modulated data is assigned through the subcarriers are allocated for the burst shall not be sent to

In the downlink and uplink, such subcarriers that belong to the allocated slots for a burst but are not modulated shall not be transmitted (zero energy).

Suggested Remedy

8.4.9.4.2 Data modulation

[Change the last paragraphs below figure 263 as follows]

Each M interleaved bits (M=2,4,6) shall be mapped to the constellation bits b(M-1)-b0 in MSB first order (i.e. the first bit shall be mapped to the higher index bit in the constellation), in addition, the M bits shall be ordered MSB first.

The constellation-mapped data shall be subsequently modulated onto the allocated data subcarriers. Before mapping the data to the physical sub-carriers (i.e. after applying the sub-carrier permutation), and each subcarrier shall be multiplied by the factor $2^{*(1/2 - wk)}$ according to the subcarrier physical index, k.

The operation shall be also applied for the subcarriers for the fastfeedback and ACK channels except the ranging.

~~Each M interleaved bits (M=2,4,6) shall be mapped to the constellation bits b(M-1)-b0 in MSB first order (i.e. the first bit shall be mapped to the higher index bit in the constellation), in addition, the M bits shall be ordered MSB first.~~

In the downlink, data subcarriers which belong to slots that are not allocated in the DL-MAP shall not be transmitted (zero energy). Data subcarriers which are part of a gap allocation (DIUC=13) shall be modulated at the BS discretion.

~~The operation shall be also applied for the subcarriers for the fastfeedback and ACK channels except the ranging.~~

~~In the downlink and uplink, such subcarriers where no modulated data is assigned through the subcarriers are allocated for the burst shall not be sent.~~

~~are allocated for the burst shall not be sent.~~

In the downlink, such subcarriers that belong to the allocated slots for a burst but are not modulated shall not be transmitted (zero energy).

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted-Modified**

8.4.9.4.2 Data modulation

[Change the last paragraphs below figure 263 as follows]

Each M interleaved bits (M=2,4,6) shall be mapped to the constellation bits b(M-1)-b0 in MSB first order (i.e. the first bit shall be mapped to the higher index bit in the constellation), in addition, the M bits shall be ordered MSB first.

The constellation-mapped data shall be subsequently modulated onto the allocated data subcarriers. Before mapping the data to the physical sub-carriers (i.e. after applying the sub-carrier permutation), and each subcarrier shall be multiplied by the factor $2^{*(1/2 - wk)}$ according to the subcarrier physical index, k.

The operation shall be also applied for the subcarriers for the fastfeedback and ACK channels except the ranging.

~~Each M interleaved bits (M=2,4,6) shall be mapped to the constellation bits b(M-1)-b0 in MSB first order (i.e. the first bit shall be mapped to the higher index bit in the constellation), in addition, the M bits shall be ordered MSB first.~~

In the downlink, data subcarriers which belong to slots that are not allocated in the DL-MAP shall not be transmitted (zero energy). Data subcarriers which are part of a gap allocation (DIUC=13) shall be modulated at the BS discretion. In the downlink, such subcarriers that belong to the allocated slots for a burst but are not modulated shall not be transmitted (zero energy).

~~The operation shall be also applied for the subcarriers for the fastfeedback and ACK channels except the ranging.~~

~~In the downlink and uplink, such subcarriers where no modulated data is assigned through the subcarriers are allocated for the burst shall not be sent.~~

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

8/10/2005

IEEE 802.16-05/042r5

Editor's Notes

Editor's Actions [k\) done](#)

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**Ballot Number: **0001008**

Comment Date

Comment # **458**

Comment submitted by: Giulio

Cavalli

Other

7/10/2005

Comment	Type	Editorial	Starting Page #	168	Starting Line #	49	Fig/Table#	Section	8.4.9.4.3.4
---------	------	-----------	-----------------	-----	-----------------	----	------------	---------	-------------

Wrong numbering of the chapters. "Subpacket generation" is not section 8.4.9.4.3.4, but it is section 8.4.9.2.3.4, and "Symbol selection" is section 8.4.9.2.3.4.4 and not 8.4.9.4.3.4.4.

There is another modification relevant to section 8.4.9.2.3.4.4, so the change wrote under the section 8.4.9.4.3.4.4 has to be moved there.

Suggested Remedy

At page 168, line 49 in section 8.4.9.4.3.4, delete the text as shown in the following (changes are in red):

~~8.4.9.4.3.4 Subpacket generation~~

~~8.4.9.4.3.4.4 Symbol selection~~

~~Change the first sentence of the second paragraph as indicated:~~

~~Mother code is transmitted with one of the subpackets.~~

At page 163, line 28 in section 8.4.9.2.3.4.4, add the text as shown in the following (changes are in red):

~~Change the first sentence of the second paragraph as indicated:~~

~~Mother code is transmitted with one of the subpackets.~~

Proposed Resolution**Recommendation:****Recommendation by****Reason for Recommendation****Resolution of Group****Decision of Group: Accepted**

At page 168, line 49 in section 8.4.9.4.3.4, delete the text as shown in the following (changes are in red):

~~8.4.9.4.3.4 Subpacket generation~~

~~8.4.9.4.3.4.4 Symbol selection~~

~~Change the first sentence of the second paragraph as indicated:~~

~~Mother code is transmitted with one of the subpackets.~~

At page 163, line 28 in section 8.4.9.2.3.4.4, add the text as shown in the following (changes are in red):

Change the first sentence of the second paragraph as indicated:

Mother code is transmitted with one of the subpackets.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **459**

Comment submitted by: **Rajesh**

Bhalla

Member

7/10/2005

Comment Type **Technical, Satisfied (was** Starting Page # **168** Starting Line # **59** Fig/Table# Section **8.4.9.4.4**
8.4.9.4.4 Example of OFDMA uplink CC encoding session has not yet been updated with the latest changes that will affect subcarrier mapping.

Suggested Remedy

The example needs to be fixed. I will provide a reply comment on this.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Adopt contribution C80216maint-05_135

Reason for Group's Decision/Resolution

Vote to call the question:

In favor: 7

Against: 0

Passes

Vote to accept contribution C80216maint-05_135 with modification of pilot amplitude change from 1.33 to 1.0.

In favor: 23

Against: 19

Fails

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **460**

Comment submitted by: Pieter-Paul

Giesberts

Member

7/10/2005

Comment Type **Technical, Binding** Starting Page # **168** Starting Line # **59** Fig/Table# Section **8.4.9.4.4**

The uplink example is no longer correct for two reasons:

- * The change in MSB/LSB of the initialization vector of the Data Randomization function of Section 8.4.9.1 as introduced in Cor1/D3.
- * The changed initialization vector and usage of the subcarrier randomization function of Section 8.4.9.4.1 as introduced in Cor1/D3

First steps of the correction provided below, the last step (mapping onto subcarriers) is still to be done.

Suggested Remedy

Revise the example as follows.

Randomized Data (Hex)

~~06 DF 2F 59 42 1E 34 D7 03 19 68 46~~
~~55 8A C4 A5 3A 17 24 E1 63 AC 2B F9~~
~~1E C1 7F 1C A3 82 71 9E 9C AC 29 F9~~

Convolutional encoded Data (Hex)

~~36 F5 E1 7E E8 98 6E 27 EB B9 F2 A6 57 B6 A0 51 FA BD 4E E0 E5 A9 E7 F2~~
~~28 33 E4 8D 39 20 26 D5 B6 DG 5E 4A F4 7A DD 29 49 4B 6C 89 15 13 48 CA~~
~~13 16 8E 18 8A 23 25 D8 4A E0 62 A2 C7 49 E0 0A B6 B4 4A 39 15 1D B9 0A~~

Interleaved Data (Hex)

~~6D BB DF FD B4 94 38 C6 1B 9E D8 53 AE FC 2A DE FD 76 68 AE 94 56 16 65~~
~~4B 04 7D FA 42 F2 A5 D5 F6 1C 02 1A 58 51 E9 A3 09 A2 4F D5 80 86 BD 1E~~
~~63 90 F4 15 98 0B 68 55 2A EE C9 23 1C 81 A0 2C CD 0E 53 78 0A A5 12 26~~

Constellation Mapping (data shall be transformed to constellation values: I value/Q value. The value 0.707 represents $\sqrt{2}/2$):

~~+0.707/ 0.707, -0.707/+0.707, -0.707/ 0.707, +0.707/ 0.707, -0.707/+0.707, -0.707/ 0.707, -0.707/~~
~~+0.707, -0.707/ 0.707, -0.707/ 0.707, +0.707/ 0.707, -0.707/ 0.707, -0.707/ 0.707, -0.707/ 0.707,~~
~~0.707/ 0.707, -0.707/ 0.707, +0.707/ 0.707, -0.707/+0.707, -0.707/ 0.707, +0.707/ 0.707, +0.707/~~
~~+0.707, -0.707/+0.707, +0.707/ 0.707, +0.707/ 0.707, +0.707/+0.707, +0.707/+0.707, -0.707/~~
~~0.707, -0.707/+0.707, +0.707/+0.707, -0.707/ 0.707, +0.707/+0.707, +0.707/ 0.707, -0.707/+0.707,~~
~~+0.707/+0.707, +0.707/ 0.707, -0.707/+0.707, -0.707/ 0.707, -0.707/+0.707, +0.707/ 0.707, -0.707/~~
~~-0.707, -0.707/+0.707, -0.707/ 0.707, +0.707/ 0.707, -0.707/+0.707, +0.707/+0.707, +0.707/ 0.707,~~
~~+0.707/ 0.707, +0.707/+0.707, -0.707/ 0.707, -0.707/+0.707, -0.707/+0.707, -0.707/ 0.707, -0.707/~~
~~+0.707, -0.707/ 0.707, -0.707/ 0.707, -0.707/ 0.707, +0.707/+0.707, +0.707/+0.707, -0.707/+0.707,~~
~~-0.707/+0.707, -0.707/+0.707, -0.707/ 0.707, +0.707/ 0.707, -0.707/ 0.707, -0.707/+0.707, -0.707/~~
~~0.707, -0.707/ 0.707, -0.707/ 0.707, +0.707/ 0.707, +0.707/ 0.707, -0.707/ 0.707, +0.707/ 0.707,~~
~~0.707/+0.707, +0.707/ 0.707, -0.707/+0.707, -0.707/+0.707, +0.707/+0.707, -0.707/+0.707, -0.707/~~
~~+0.707, -0.707/ 0.707, -0.707/+0.707, -0.707/+0.707, +0.707/ 0.707, +0.707/ 0.707, +0.707/+0.707,~~
~~+0.707/ 0.707, +0.707/ 0.707, +0.707/ 0.707, -0.707/+0.707, -0.707/+0.707, +0.707/ 0.707, +0.707/ 0.707,~~

8/10/2005

IEEE 802.16-05/042r5

Change the following paragraph:

~~These results shall be mapped~~ Mapping onto subcarriers and multiplied by PN [assuming the use of logical data subchannel 16, mapped onto physical subchannel 16 in the first time slot and to physical subchannel 17~~29~~ at the second time slot, ~~structure includes pilots and is in the structure of (Symbol Number, Subcarrier Index, I value / Q Value)~~]:

Remove the example below the paragraph (make the old text strike-out and remove new text)

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **461**

Comment submitted by: Itzik

Kitroser

Member

7/10/2005

Comment Type **Editorial** Starting Page # **169** Starting Line # **3** Fig/Table# Section **8.4.9.4.4**

In the implementation of comment #538 from the database 80216maint-04_09r3.USR (February) I (editor) made a mistake and changed the value of physical subchannel from 16 to 29 instead of changing the value of 17 (in the end of the sentence) into 29.

Suggested Remedy

Change the first instance of physical sub-channel number from 29 back to 16 (first time slot), change the value of the sub-channel in the second time slot from 17 to 29.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Change the first instance of physical sub-channel number from 29 back to 16 (first time slot), change the value of the sub-channel in the second time slot from 17 to 29.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**Ballot Number: **0001008**

Comment Date

Comment # **462**

Comment submitted by: Panyuh

Joo

Member

7/10/2005

Comment	Type	Technical, Non-binding	Starting Page #	171	Starting Line #	42	Fig/Table#	Section	8.4.9.5
---------	------	------------------------	-----------------	-----	-----------------	----	------------	---------	---------

The repetition scheme was modified from IEEE802.16-2004.

During the modification, it is confined to have the number of the allocate slots to be the whole multiples of repetition factor R.

For downlink, it may be not possible to allocate whole multiples of R due to the nature of 2D allocation.

When the number of remaining slots for a DL subframe is not the whole multiples of $R(=2,4,6)$, the slot can't be assigned for a burst that shall use repetition scheme.

It will decrease the scheduling efficiency.

This inefficiency can be avoided by allowing to allocate the slots in the range from the whole multiples of repetition factor R to the whole multiples of repetition factor R plus (R-1).

As a result, when there remains N_s slots, a BS can send data that corresponds to the slots of $\text{floor}(N_s/R)$.

In the original text of the repetition block in IEEE802.16-2004, there are no restrictions on N_s . So, this comment is restoring the original intension of IEEE802.16-2004.

Because of the repetition scheme, the padding scheme in the randomization subclause (8.4.9.1) shall be applied to the non-repeated number of slots. In the current spec., it is not reflected.

Suggested Remedy

8.4.9.5 Repetition

[Modify the text as follows]

Repetition coding can be used to further increase signal margin over the modulation and FEC mechanisms.

In the case of repetition coding, $R = 2, 4, \text{ or } 6$, the number of allocated slots (N_s) shall be a whole multiple of the repetition factor R for uplink. The number of allocated slots (N_s) shall be in the range from a whole multiple of the repetition factor R to the whole multiple of the repetition factor R plus (R-1) for the downlink.

The binary data that fits into a region that is repetition coded is reduced by a factor R compared to a non-repeated region of the floor(N_s/R) slots with the same size and FEC code type. After FEC and bit-interleaving, the data is segmented into slots, and each group of bits designated to fit in a slot will be repeated R times to form R contiguous slots following the normal slot ordering that is used for data mapping. The actual constellation data can be different because of the permutation as defined by 8.4.9.4.1. This repetition scheme applies only to QPSK modulation; it can be applied in all coding schemes except H-ARQ with CTC defined in 8.4.9.2.3.5.

8.4.9.1 Randomization

Change the first paragraph as indicated:

Data randomization is performed on all data transmitted on the downlink and uplink, except the FCH. The randomization is initialized on each FEC block ~~(using the first Subchannel offset and OFDMA symbol offset on which the FEC block is mapped. Symbol offset, for both UL and DL, shall be counted from the start of the frame, where the DL preamble shall be count 0).~~ If the amount of data to transmit does not fit exactly the amount of data allocated, padding of 0xFF ("1" only) shall be added to the end of the transmission block, up to the amount of data allocated. Here the amount of data allocated means the amount of data that corresponds to the slots of floor(N_s/R) where N_s is the number of the all slots

8/10/2005

IEEE 802.16-05/042r5

amount of data that corresponds to the size of the packet, where N is the number of the air slots for the data transmission and R is the repetition factor used.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted-Modified**

[Adopt changes in contribution C80216maint-05_144r2](#)

Reason for Group's Decision/Resolution

Group's Notes

[D](#)

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **463**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **172** Starting Line # **42**

Fig/Table#

Section **8.4.10.3**

DVJ261(subclause=8.4.10.3,page=172,line=42):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Normalized C/N

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

IEEE staff editor will fix up such editorial details

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **464**

Comment submitted by: Jaehee

Cho

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **172** Starting Line # **60** Fig/Table# **334** Section **8.4.10.3**

In the table 334, C/N for QPSK 2/3 is less than QPSK 1/2.
Though this table shall be necessarily changed depending on BS vendor, such entries make the spec. incomplete.

Suggested Remedy

[Modify the table 334 as follows]

Modulation/ FEC rate	Normalized C/N
QPSK 2/3	4.5 <u>7.5</u>
16-QAM 2/3	10.5 <u>14.0</u>
16-QAM 5/6	15.5 <u>17.0</u>

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

[Modify the table 334 as follows]

Fast_feedback IE -> FAST FEEDBACK

Modulation/ FEC rate	Normalized C/N
QPSK 2/3	4.5 <u>7.5</u>
16-QAM 2/3	10.5 <u>14.0</u>
16-QAM 5/6	15.5 <u>17.0</u>

Reason for Group's Decision/Resolution

Group's Notes

8/10/2005

IEEE 802.16-05/042r5

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**Ballot Number: **0001008**

Comment Date

Comment # **465**

Comment submitted by: Jaehee

Cho

Other

7/10/2005

Comment	Type	Technical, Non-binding	Starting Page #	173	Starting Line #	31	Fig/Table#	Section	8.4.10.3
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For power control, SS needs to send its max tx power and its current tx power.
 Its max tx power can be reported to BS using SBC-REQ MAC message.
 Its current tx power can be reported to BS using REP-RSP in response of REP-REQ.

In the spec., wrong messages are indicated for the report.

Suggested Remedy

8.4.10.3 Power control

[Add the following text at the end of this subclause]

The SS shall report the maximum available power, and the normalized transmitted power. These parameters may be used by the base station for optimal assignment of coding schemes and modulations and also for optimal allocation of subchannels. The algorithm is vendor-specific. ~~These parameters are reported in the REG-RSP message.~~ The maximum available power may be reported in SBC-REQ. The current transmitted power shall be also reported in the R~~NGEP~~-RSP message if the relevant flag in the REP-REQ message has been set.

Proposed Resolution**Recommendation:****Recommendation by****Reason for Recommendation****Resolution of Group****Decision of Group: Accepted-Modified**

8.4.10.3 Power control

[Modify the eq. 138 as follows]

$$P_{new} = \min\{P_{last} + (C/N_{new} \cdot C/N_{last}) \cdot (\log_{10}(R_{new}) \cdot \log_{10}(R_{last})) + \text{Offset}, P_{max}\} \text{ (138)}$$

[Delete the definition of Pmax that is no longer necessary]

~~Pmax is the maximum power that the SS can transmit~~

[Modify the eq. 138a as follows]

$$P_{new} = \min\{P_{last} + \text{Offset}, P_{max}\} \text{ (138a)}$$

[Add the following text at the end of this subclause]

The SS shall report the maximum available power, and the normalized transmitted power. These parameters may be used by the base station for optimal assignment of coding schemes and modulations and also for optimal allocation of subchannels. The algorithm is vendor-specific. ~~These parameters are reported in the REG-RSP message.~~ The maximum available power may be reported in SBC-REQ. The current transmitted power shall be also reported in the R~~NGEP~~-RSP message if the relevant flag in the REP-REQ message has been set.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**Ballot Number: **0001008**

Comment Date

Comment # **466**

Comment submitted by: Ran

Yaniv

Member

7/10/2005

Comment	Type	Technical, Satisfied (was	Starting Page #	173	Starting Line #	33	Fig/Table#	Section	8.4.11
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The section on CINR reporting contains several problems:

1. The text does not specify to what the CINR measurement relates.
2. The text states that CINR is measured on "messages". It is not clear to which "messages" the text refers.
3. It is not clear whether the averaging factor alpha applies to measurements reported through CQICH.
4. CINR estimates derived for CQICH should be kept distinct from reports triggered by REP-REQ/RSP.

In addition, physical average CINR is not a sufficient metric for link adaptation since it does not account for the SS's implementation losses, antenna configurations, decoding abilities, etc.

Suggested Remedy

Adopt contribution 802.16maint-05/130 "Corrections to CINR measurements and reports in OFDMA PHY".

Proposed Resolution**Recommendation:****Recommendation by****Reason for Recommendation****Resolution of Group****Decision of Group: Accepted-Modified**

Adopt contribution C80216maint-05_130r5

Reason for Group's Decision/Resolution

Vote to call the question:

In favor: 53

Against: 0

Passes

Vote to accept contribution C80216maint-05_130r5

In fafor: 62

Against: 2

Abstain: 1

Passes

Group's Notes

8/10/2005

IEEE 802.16-05/042r5

Group's Action Items

Editor's Notes

Editor's Actions k) done

Last change was made to section 11.12 and not 11.2, since it is seems to be a typo in the contribution

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **467**

Comment submitted by: Jaehwan

Chang

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **173** Starting Line # **58** Fig/Table# Section **8.4.11.2**

The RSSI value reported by the SS has been changed in May Corrigenda meeting to mean the total received power over the active subcarriers of the frame preamble.

However, this definition has no more meaning than the previous definition which had been the total received power of the frame preamble in the time domain. Well, there is some meaning but not to the extent that would make any difference in the usefulness of the information at the BS.

In my opinion, if the reported RSSI value should at least have some meaning, the definition should be changed.

Suggested Remedy

[Change the text as indicated:]

The reported RSSI value shall be an estimate of the total received power ~~over the active subcarriers~~ of the frame preamble from the serving BS and segment excluding power received from other BS/segments.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

[Change the text as indicated:]

The reported RSSI value shall be an estimate of the total received power ~~over the active subcarriers~~ of the frame preamble of the segment of the connected BS.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **468**

Comment submitted by: Panyuh

Joo

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **173** Starting Line # **60** Fig/Table# Section **8.4.11.3**

- 1. CINR measurement shall be performed to report through CQICH and REP-RSP.
 - A. In the current specification, only REP-RSP is mentioned.
- 2. The encoding scheme defined in the subclause is only applicable to REP-RSP.
 - A. However, it is not explicitly mentioned.
- 3. The reported CINR value shall be compensated for the preamble/pilot boosting. However, it is not explicitly mentioned.
- 4. The example for the CINR measurement contains some errors.
- 5. For the global value, we propose forgetting factors in the [1/16, 16/16].

Suggested Remedy

Discuss and accept C80216maint-05/114.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Superseded

Reason for Group's Decision/Resolution

By comment #466

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **469**

Comment submitted by: **Dave**

Pechner

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **173** Starting Line # **60** Fig/Table# Section **8.4.11.3**
Clarification for CINR measurements in AAS zone is required

Suggested Remedy

Add the following paragraph "For CINR measurements made in an AAS zone, the CINR measurement shall be made on actual DL data allocation subcarriers. CINR measurements shall be performed on data subcarriers, and not boosted pilot subcarriers."

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

Add the following paragraph to section 8.4.11.3

"If the BS instructs CINR reporting on an AAS zone, then the SS shall report the estimate of the physical or effective CINR measured from dedicated AAS preamble/pilot or data subcarriers that belong to slots allocated to it. For DL-PUSC in AAS mode, if major-group indication has been specified in the measurement configuration then the reported CINR shall be measured on all indicated major groups rather than on slots allocated to the SS. "

Remove the same paragraph from section 6.3.18.1 from contribution C80216maint-05_130r5

Reason for Group's Decision/Resolution

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **470L**

Comment submitted by: Jaehee

Cho

Other

7/11/2005

Comment Type **Technical, Non-binding** Starting Page # **174** Starting Line # **12** Fig/Table# Section **8.4.12.3**

The Tx constellation error and test method includes many errors.
We provide C80216maint-05/115 for the correction.

Suggested Remedy

Discuss and adopt C80216maint-05/115.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

Adopt C80216maint-05/115r2.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **471**

Comment submitted by: **Paul**

Piggin

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **174** Starting Line # **21** Fig/Table# Section **8.4.12.4**

There is no specification for transmit spectral mask. for OFDMA . I would like to add a recommended emissions mask. Section 12.4.3.1.5, table 413, states that the OOB spectral mask must meet local regulation. However, this gives little guidance to manufacturers. I would like to add a section to give a recommended spectral emissions mask. Specifically, I would like to recommend that we add a recommended target for emissions: ETSI EN301 021 type G should be used as a guide for close-in emissions, and ETSI 301390 for spurious emissions more than 250% outside the passband.

Suggested Remedy

Add the following section:

8.4.12.4 Transmitter Spectral Mask

Spectral emissions are governed by local regulatory authorities. However, as a general guideline, it is recommended that transmitters meet ETSI EN301 021 Type G masks for close-in emissions (defined as emissions that are separated from the centre frequency of the emission by less than 250 % of the channel separation).

For out-of-band spurious emissions (emissions separated from the center frequency by more than 250% of the channel separation), it is recommended that transmitters meet ETSI EN301390, Annex A.2. This document specifies that the maximum allowable conducted emission is -40 dBm/MHz for SS, and -50 dBm/MHz for BS.

These emission levels are recommended as a guideline only; there may be different regulations defining spectral emissions for each country.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Withdrawn**

Reason for Group's Decision/Resolution

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **472**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **177**

Starting Line # **12**

Fig/Table#

Section **10.1**

DVJ263(subclause=10.1,page=177,line=12):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: System

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

IEEE staff editor will fix up such editorial details

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **473**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **177** Starting Line # **18**

Fig/Table# Section **10.1**

DVJ262(subclause=10.1,page=177,line=18):
Please put dash in empty cells.
I now prefer en dash for nothing here,
and em dash for default meanings.

Suggested Remedy

Fix here and throughout.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

We have a baseline document with a specific defined style, this corrigendum project should keep the editorial style of the baseline project.

Group's Notes

DJ2

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **474**

Comment submitted by: **Hujun**

Yin

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **177** Starting Line # **50** Fig/Table# Section **10.1**

The lower bound of T4 timer has been removed, which is good. However, if some bad implementation sets T4 timer aggressively (small time out value), it may cause significant burden to the network (too many periodic ranging requests). Is there any measure to prevent this?

Suggested Remedy

BS should advertise its reference value based on its own capability.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

No proposed resolution supplied

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **475**

Comment submitted by: Pieter-Paul

Giesberts*

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **178** Starting Line # **26** Fig/Table# **342** Section **10.1**

[*Identical comment submitted by Pieter-Paul Giesberts and Richard van Leeuwen]

"System" column of "Ranging Correction Retries" indicates that it is relevant for BS and SS. However, "Ranging Correction Retries" is a BS specific parameter.

Suggested Remedy

Change "System" column value of "Ranging Correction Retries" as follows:

"BS, ~~SS~~"

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Change "System" column value of "Ranging Correction Retries" as follows:

"BS, ~~SS~~"

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **476**

Comment submitted by: **Ilan**

Zohar

Member

7/10/2005

Comment Type **Technical, Satisfied (was**

Starting Page # **179**

Starting Line # **16**

Fig/Table# **343**

Section **10.2**

TEK State machine vs. PN (Packet Number) clarification.

Suggested Remedy

Contribution no C80216maint-05_129.doc

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Withdrawn**

Reason for Group's Decision/Resolution

Group's Notes

J

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **477**

Comment submitted by: Jaehee

Cho

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **183** Starting Line # **22** Fig/Table# **Tabl** Section **11.3.1**

For UL allocation subchannel bitmap for UL PUSC and optional PUSC, there is no description for the no-presence of the TLVs. We propose to assume to use all subchannels when the TLV is not present in UCD.

Suggested Remedy

[Modify the text as follows in table 353]

Name	Type	Length	Value
UL allocated subchannels bitmap	157	9	This is a bitmap describing the physical subchannels allocated to the segment in the UL, when using the uplink PUSC permutation. The LSB of the first byte shall correspond to subchannel 0. For any bit that is not set, the corresponding subchannel shall not be used by the SS on that segment. <u>When this TLV is not present, BS can allocate any subchannels to a SS in the cell.</u>

[Add the following entry in table 353]

Name	Type	Length	Value
Optioanl permutation UL allocated subchannels bitmap	158	13	This is a bitmap describing the <u>physical</u> subchannels allocated to the segment in the UL, when using the uplink optional PUSC permutation (see 8.4.6.2.5). The LSB of the first byte shall correspond to subchannel 0. For any bit that is not set, the corresponding subchannel shall not be used by the SS on that segment. <u>When this TLV is not present, BS can allocate any subchannels to a SS in the cell.</u>

Proposed Resolution Recommendation: Recommendation by

Reason for Recommendation

Resolution of Group Decision of Group: Accepted-Modified

[Modifv the text as follows in table 353]

Name	Type	Length	Value
UL allocated subchannels bitmap	157	9	This is a bitmap describing the physical subchannels allocated to the segment in the UL, when using the uplink PUSC permutation. The LSB of the first byte shall correspond to subchannel 0. For any bit that is not set, the corresponding subchannel shall not be used by the SS on that segment. <u>When this TLV is not present, BS may allocate any subchannels to an SS.</u>

[Add the following entry in table 353]

Name	Type	Length	Value
Optional permutation UL allocated subchannels bitmap	158	13	This is a bitmap describing the <u>physical</u> subchannels allocated to the segment in the UL, when using the uplink optional PUSC permutation (see 8.4.6.2.5). The LSB of the first byte shall correspond to subchannel 0. For any bit that is not set, the corresponding subchannel shall not be used by the SS on that segment. <u>When this TLV is not present, BS may allocate any subchannels to an SS.</u>

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **478**

Comment submitted by: Jaehee

Cho

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **183** Starting Line # **26** Fig/Table# Section **11.3.1.1**

For the H-ARQ operation, ACK/NACK is essential. ACK/NACK channels are not explicitly allocated. Instead, SS or BS shall use n-th ACK/NACK channel(or bit in a bitmap) for the n-th H-ARQ burst in a frame.

This operation can work only if each ACK/NACK for a H-ARQ burst sent at the m-th frame, is sent at the (m + n)-th frame and n is same for all the ACK/NACK transmissstion.

So it is necessary to determine n for DL/UL H-ARQ and let each SS know using DCD and UCD message.

In the current spec., n = 1~ 3 is allowed and that means SS and BS shall be well designed for the fast feedback. However, the response time shall be determined in market ont in the specifications.

We have to make the specification let the market determines the response time.

We propose to change the range of n from [1,3] to [1,255 frames] for UL H-ARQ burst, to [0~255] for DL.

Suggested Remedy

[Add the text as follows in table 353]

Name	Type	Length	Value
H-ARQ ACK delay for DL burst	171	1	<p>-1 = one frame offset -2 = two frames offset -3 = three frames offset</p> <p>Shall be encoded as unsigned integer (=n). At the (m + n)-th UL frame, the ACK/NACK for DL H-ARQ burst shall be sent from SS to BS. 'm' is the frame number when the DL H-ARQ burst is sent.</p>

[Add the text as follows in table 358]

Name	Type	Length	Value
H-ARQ ACK delay for DL burst	17	1	<p>-1 = one frame offset -2 = two frames offset -3 = three frames offset</p> <p>Shall be encoded as unsigned integer (=n). At the (m + n)-th UL frame, the ACK/NACK for DL H-ARQ burst shall be sent from SS to BS. 'm' is the frame number when the DL H-ARQ burst is sent</p>

[DETAILS OF REVISIONS](#)

Proposed Resolution Recommendation: Recommendation by

Reason for Recommendation

Resolution of Group Decision of Group: Accepted-Modified

[Add the text as follows in table 353]

Name	Type	Length	Value
H-ARQ ACK delay for U DL burst	171	1	1 = one frame offset 2 = two frames offset 3 = three frames offset

[Add the text as follows in table 358]

Name	Type	Length	Value
H-ARQ ACK delay for U DL burst	17	1	1 = one frame offset 2 = two frames offset 3 = three frames offset

Change the fourth paragraph below figure 130 (802.16-2004) as follows:
 The H-ARQ scheme is basically a stop-and-wait protocol. The ACK is sent by the SS after a fixed delay (synchronous ACK) defined by H-ARQ DL ACK delay offset, which is specified in ~~U~~CD message. Timing of retransmission, however, is flexible and corresponds to the asynchronous part of the H-ARQ. The ACK/NAK is sent by the BS using the H-ARQ Bitmap IE, and sent by an SS using the fast feedback UL subchannel.

Reason for Group's Decision/Resolution

Group's Notes

8/10/2005

IEEE 802.16-05/042r5

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **479**

Comment submitted by: Jaehee

Cho

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **183** Starting Line # **27** Fig/Table# Section **11.3.1.1**

For UL allocation subchannel bitmap for UL Band AMC, there is no description for the no-presence of the TLVs. We propose to assume to use all subchannels when the TLV is not present in UCD.

Suggested Remedy

[Modify the text as follows in table 353]

Name	Type	Length	Value
UL AMC Allocated subchannels range	173	2	This parameter specifies the range of sub-channels allocated to the segment in the UL, when using the AMC permutation with regular MAPs (see 8.4.6.3). The first byte N0 shall correspond to the first subchannel and last byte N1 corresponds to the index of the last subchannel plus 1. Only subchannels in the range shall not be used by the SS on that segment. <u>When this TLV is not present, BS can allocate any subchannels to a SS in the cell.</u>

Proposed Resolution Recommendation: Recommendation by

Reason for Recommendation

Resolution of Group Decision of Group: **Accepted-Modified**

[Modify the text as follows in table 353]

Name	Type	Length	Value
UL AMC Allocated subchannels range	173	2	This parameter specifies the range of sub-channels allocated to the segment in the UL, when using the AMC permutation with regular MAPs (see 8.4.6.3). The first byte N0 shall correspond to the first subchannel and last byte N1 corresponds to the index of the last subchannel plus 1. Only subchannels in the range shall not be used by the SS on that segment. <u>When this TLV is not present, BS may allocate any subchannels to a SS.</u>

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **480**

Comment submitted by: Kiseon

Ryu

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **183** Starting Line # **43** Fig/Table# **353** Section **11.3.1**

The reduction of broadcast message size is important for the usage of bandwidth more efficiently. In general, UL-MAP IEs with UIUC 12 for initial ranging and BW-REQ/periodic ranging should be frequently included in UL-MAP message regardless of rarely changed that information. If a BS provides SSs with the information of allocated ranging region through UCD message, BS can omit UL-MAP IE with UIUC 12 from UL-MAP message and reduce the broadcast UL-MAP message size at least 14 bytes in every frame.

Suggested Remedy

Discuss and adopt the contribution C80216maint-05_121 (OFDMA ranging region allocation by UCD message)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

This is an enhancement and performance optimization feature and not a correction to a problem and therefore out of scope of the project

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **481**

Comment submitted by: Giulio

Cavalli

Other

7/10/2005

Comment Type **Editorial** Starting Page # **183** Starting Line # **44** Fig/Table# **353** Section **11.3.1**

The value number of a PHY-specific TLV must be higher than 149, whereas in table 353, which refers to OFDMA-specific TLVs, there is a type which identifier is equal to 16.

Suggested Remedy

At page 183, line 44 in section 11.3.1, modify the Type value from 16 to 176 in Table 353 as shown in the following (changes are in red):

<u>Size of CQICH_ID</u>	16 -176	1	<u>0 = 0 bits(default)</u>
-------------------------	--------------------	---	----------------------------

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

At page 183, line 44 in section 11.3.1, modify the Type value from 16 to 176 in Table 353 as shown in the following (changes are in red):

<u>Size of CQICH_ID</u>	16 -176	1	<u>0 = 0 bits(default)</u>
-------------------------	--------------------	---	----------------------------

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **482**

Comment submitted by: **David**

Castelow

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **185** Starting Line # **16** Fig/Table# **358** Section **11.4.1**

The OFDM parts of the standard require transmission of RTG and TTG, but recent changes have apparently removed these parameters from the DCD.

E.g. section 8.3.5.1, page 450, para immediately above Figure 207.

Re-instate these.

Suggested Remedy

At page 185, lines 16

replace "~~OFDM~~" with "OFDM"

page 185, line 20

replace "~~OFDM~~" with "OFDM"

Proposed Resolution Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: ~~Withdrawn~~

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **483**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **187** Starting Line # **10**

Fig/Table# Section **11.6**

DVJ264(subclause=11.6,page=187,line=10):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Type
(1 byte)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

IEEE staff editor will fix up such editorial details

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **484**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **187** Starting Line # **10**

Fig/Table#

Section **11.6**

DVJ265(subclause=11.6,page=187,line=10):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: Length

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

IEEE staff editor will fix up such editorial details

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **485**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **187** Starting Line # **10**

Fig/Table#

Section **11.6**

DVJ266(subclause=11.6,page=187,line=10):
Table columns containing single word, numbers, or
sentence fragments should be centered.

Suggested Remedy

Center the column under header: PHY
Scope

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

IEEE staff editor will fix up such editorial details

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **486**

Comment submitted by: Jaehwan

Chang

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **188** Starting Line # **13**
The length of PHS support TLV need not be 2 bytes long. Therefore, reduce the size to 1 byte.

Fig/Table#

Section

11.7.7.3

Suggested Remedy

[Insert the following in line 13 of page 188 in Cor1/D3.]

11.7.7.3 PHS support

Change the table in 11.7.7.3 as indicated.

Type	Length	Value	Scope
9	2-1	0: no PHS support 1: ATM PHS 2: Packet PHS	REG-REQ REG-RSP

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

[Insert the following in line 13 of page 188 in Cor1/D3.]

11.7.7.3 PHS support

Change the table in 11.7.7.3 as indicated.

Type	Length	Value	Scope
9	2	0: no PHS support 1: ATM PHS 2: Packet PHS 3: ATM and Packet PHS	REG-REQ REG-RSP

Reason for Group's Decision/Resolution

Vote to accept the comment as modified:

In favor: 4

Against: 2

Fails

The modified version was been rejected since there is no change in the number of bytes, that is, to use 2 bytes for 2 bits indication.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **487**

Comment submitted by: Pieter-Paul

Giesberts*

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **188** Starting Line # **14** Fig/Table# Section **11.7.7.3**

[*Identical comment submitted by Pieter-Paul Giesberts and Richard van Leeuwen]

TLV "PHS support" in 802.16-2004 has a Length of two bytes where one byte is more than sufficient to hold the enumerated values.

Suggested Remedy

Insert the following text above section 11.7.8:
"11.7.7 Convergence Sublayer Capabilities
11.7.7.3 PHS support

This parameter indicates the level of PHS support.

Type	Length	Value
9	2 1	0: no PHS support 1: ATM PHS 2: Packet PHS

The default value is 0 (no PHS).
"

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

Insert the following text above section 11.7.8:
"11.7.7 Convergence Sublayer Capabilities
11.7.7.3 PHS support

This parameter indicates the level of PHS support.

Type	Length	Value
------	--------	-------

9	<u>21</u>	0: no PHS support
		1: ATM PHS
		2: Packet PHS
		<u>3: ATM and Packet PHS</u>

The default value is 0 (no PHS).

Reason for Group's Decision/Resolution

Vote to accept the comment as modified:

In favor: 13

Against: 1

Passes

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **488**

Comment submitted by: **Giulio**

Cavalli

Other

7/10/2005

Comment Type **Editorial**

Starting Page # **188**

Starting Line # **56**

Fig/Table#

Section

11.8.3

The header of the section 11.8.3 is written before the correction of the table relevant to section 11.8.2

Suggested Remedy

Move line 56 of page 188 to line 11 of page 189.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **489**

Comment submitted by: Pieter-Paul

Giesberts*

Member

7/10/2005

Comment Type **Editorial**

Starting Page # **189**

Starting Line # **62**

Fig/Table#

Section **11.8.3.7.2**

[*Identical comment submitted by Pieter-Paul Giesberts and Richard van Leeuwen]

Inconsistency between sections on SS demodulator and SS modulator.

Suggested Remedy

Insert the following line of text between TLV 151 and 160:

"This field specifies the number of downlink H-ARQ channels (n) the SS supports, where n = 1..16. The value of the TLV shall be set to (n-1)."

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Insert the following line of text between TLV 151 and 160:

"This field specifies the number of downlink H-ARQ channels (n) the SS supports, where n = 1..16. The value of the TLV shall be set to (n-1)."

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **490**

Comment submitted by: Pieter-Paul

Giesberts*

Member

7/10/2005

Comment Type **Editorial**

Starting Page # **190** Starting Line # **29**

Fig/Table#

Section

11.8.3.7.3

[*Identical comment submitted by Pieter-Paul Giesberts and Richard van Leeuwen]

Inconsistency between sections on SS demodulator and SS modulator.

Suggested Remedy

Change text as shown below

"This field specifies the number of uplink H-ARQ channels (n) the SS supports"

Also change the Value column of TLV 153 as follows:

"The number of UL H-ARQ ~~E~~channels"

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Change text as shown below

"This field specifies the number of uplink H-ARQ channels (n) the SS supports"

Also change the Value column of TLV 153 as follows:

"The number of UL H-ARQ ~~E~~channels"

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **491**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **190** Starting Line # **37** Fig/Table# Section **11.8.3.7.4**

DVJ267(subclause=11.8.3.7.4,page=190,line=37):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Permutation support

==>

permutation support

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **492**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **191** Starting Line # **7** Fig/Table# Section **11.8.3.7.5**

DVJ268(subclause=11.8.3.7.5,page=191,line=7):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Demodulator

==>

demodulator

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **493**

Comment submitted by: Ilan

Zohar

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **193** Starting Line # **15**

Fig/Table# **377** Section **11.9.14**

Add an Empty security suite to allow negotiating of not encrypted Service flow

Suggested Remedy

[Contribution no C80216maint-05_128.doc](#)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

[Rejected at the commenter request](#)

Group's Notes

J

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **494**

Comment submitted by: **Havish**

Koorapaty

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **193** Starting Line # **16**
In section 11.9.15 of 802.16-2004, Cryptographic-Suite-List TLV length is coded wrong.

Fig/Table#

Section

11.9.15

Suggested Remedy

Insert corrections in the corrigendum to change "5*n" to "3*n" in section 11.9.15 of 802.16-2004.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Withdrawn**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **495**

Comment submitted by: Havish

Koorapaty

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **193** Starting Line # **16** Fig/Table# Section **11.9.14**

In section 11.9.14 of 802.16-2004, Cryptographic suite: AES CCM mode comes with Integrity Check Value, current encoding says it has no data authentication which is wrong.

Suggested Remedy

Insert the following changes into the corrigendum to section 11.9.14 of 802.16-2004.

Update according to 16eD8, add in Table 376 "Data authentication algorithm identifier" for AES CCM mode of value 1. Change in Table 378 "Allowed cryptographic suites" AES CCM mode value from "0x020003" to "0x020103".

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Insert the following changes into the corrigendum to section 11.9.14 of 802.16-2004.

Update according to 16eD8, add in Table 376 "Data authentication algorithm identifier" for AES CCM mode of value 1. Change in Table 378 "Allowed cryptographic suites" AES CCM mode value from "0x020003" to "0x020103".

Reason for Group's Decision/Resolution

Group's Notes

J

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **496**

Comment submitted by: **Giulio**

Cavalli

Other

7/10/2005

Comment Type **Editorial** Starting Page # **193** Starting Line # **42** Fig/Table# Section **11.12**

The value of the Length field is not to be corrected from 5 to 4 bytes because it does not change with respect to the 802.16-2004 document version.

Suggested Remedy

At page 193, line 42 in section 11.12, the Length field is now as shown in the following:

54

Remove the first strikethrough digit:

4

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **497**

Comment submitted by: Giulio

Cavalli

Other

7/10/2005

Comment Type **Editorial** Starting Page # **193** Starting Line # **58** Fig/Table# **383** Section **11.13**

A new type is defined at page 201/202: FSN size. Its type number is 38, but it has not been added to table 383.

Suggested Remedy

At page 193, line 58 in section 11.13, add a line Table 383 as shown in the following (changes in red):

Type	Parameter
38	FSN size
<u>40</u>	<u>Unsolicited Grant Interval</u>
<u>41</u>	<u>Unsolicited Polling Interval</u>

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

At page 193, line 58 in section 11.13, add a line Table 383 as shown in the following (changes in red):

Type	Parameter
38	FSN size
<u>40</u>	<u>Unsolicited Grant Interval</u>
<u>41</u>	<u>Unsolicited Polling Interval</u>

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **498**

Comment submitted by: Havish

Koorapaty

Other

7/10/2005

Comment Type **Technical, Non-binding**

Starting Page # **194** Starting Line # **1**

Fig/Table#

Section **11.13**

The following statement is not clear..

The CC indicates the status for the dynamic service (DSx-xxx) messages. The value appears in the Confirmation Code field of a DSx message .

Suggested Remedy

The CC indicates the status for the dynamic service (DSx-xxx) messages. The value **shall** be in the Confirmation Code field of a DSx message .

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

The text is clear and there is no need for clarification

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **499**

Comment submitted by: **Giulio**

Cavalli

Other

7/10/2005

Comment Type **Editorial**

Starting Page # **196**

Starting Line # **13**

Fig/Table#

Section **11.13.11**

Mistyping error.

Suggested Remedy

At page 196, line 13 in section 11.13.1, modify the Type field in the table from [~~145/146~~].11 to [~~145/146~~].11.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **500**

Comment submitted by: Joel

Demarty

Member

7/10/2005

Comment Type **Editorial** Starting Page # **196** Starting Line # **59** Fig/Table# Section **11.13.15**

In 802.16-2004, section 11.13.5 about traffic priority, priority request CID are mentioned... This concept is a vestige from DOCSIS and is not defined in 802.16 because it has been replaced by the more general concept of multicast polling group.

This incorrect reference should be deleted.

Suggested Remedy

[Page 196, line 59, add the following text]

11.13.5 Traffic priority

Modify the second paragraph as indicated.

For uplink service flows, the BS shall use this parameter when determining precedence in request service and grant generation, and the SS shall preferentially select contention Request opportunities for Priority Request CIDs based on this priority and its Request/Transmission Policy (see 11.13.12).

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

[Page 196, line 59, add the following text]

11.13.5 Traffic priority

Modify the second paragraph as indicated.

For uplink service flows, the BS shall use this parameter when determining precedence in request service and grant generation, and the SS shall preferentially select contention Request opportunities for Priority Request CIDs based on this priority and its Request/Transmission Policy (see 11.13.12).

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

8/10/2005

IEEE 802.16-05/042r5

Editor's Notes

Editor's Actions k) done

The change was done for section 11.13.5 and not 11.13.15

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **501**

Comment submitted by: David

Castelow

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **197** Starting Line # **39** Fig/Table# Section **11.13.18.8**

Section 11.13.18.8 defines the range of the parameter ARQ_BLOCK_SIZE to be 1 .. 2040, and states that if the parameter is not specified during the DSA dialogue, that it shall assume the maximum value.

Since the maximum number of bytes that can be transmitted in a single MAC PDU on an ARQ connection is 2035 (max PDU length of 2047, less 6 bytes for generic MAC header, 2 bytes for FSH, 4 bytes for CRC), and since SDUs must be fragmented on ARQ block size boundaries, this means that SDUs of length greater than 2035 bytes cannot be transmitted unless the ARQ_BLOCK_SIZE is explicitly negotiated to a value less than or equal to 2035.

Suggested Remedy

At page 197, line 39 add the following text:

11.13.18.8 ARQ_BLOCK_SIZE

Modify the table as shown:

Type	Length	Value	Scope
[145/146].26	2	0= Reserved	DSA-REQ, DSA-RSP
1.26		1-20 40 <u>35</u> = Desired/Agreed size in bytes	REG-REQ, REG-RSP
		20 41 <u>36</u> -65535= Reserved	

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

At page 197, line 39 add the following text:

11.13.18.8 ARQ_BLOCK_SIZE

Modify the table as shown:

Type	Length	Value	Scope
[145/146].26	2	0= Reserved	DSA-REQ, DSA-RSP
1.26		1-20 40 <u>35</u> = Desired/Agreed size in bytes	REG-REQ, REG-RSP

8/10/2005

IEEE 802.16-05/042r5

204136-65535= Reserved

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **502**

Comment submitted by: James F.

Mollenauer

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **197** Starting Line # **57** Fig/Table# Section **11.13.18.9**

The type field of the newly inserted message uses the same parameters (145/146).26 as the previous message.

Suggested Remedy
Change .26 to .27.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Superseded**

Reason for Group's Decision/Resolution
By comment #503

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **503**

Comment submitted by: Ilan

Zohar

Member

7/10/2005

Comment Type **Editorial, Binding** Starting Page # **197** Starting Line # **57** Fig/Table# Section **11.13.18.9**

A new message in cor1_d3 "RECEIVER_ARQ_ACK_PROCESSING_TIME" was defined with type 26. This type, however, is already used by "ARQ_BLOCK_SIZE" in 802.16-2004 Section 11.13.18.8

Suggested Remedy

redefine type of "RECEIVER_ARQ_ACK_PROCESSING_TIME" as 27 (instead of 26)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **504**

Comment submitted by: Giulio

Cavalli

Other

7/10/2005

Comment Type **Editorial** Starting Page # **198** Starting Line # **2** Fig/Table# Section **11.13.19.2**

CS parameter encoding rule is a compound TLV that define the set of parameters for the specified convergence sublayer.

A table that describes the compound nature of this TLV is missing

Suggested Remedy

page 198, line 2, chapter 11.13.19.2 add the following:

11.13.19.2 CS parameter encoding rules

Add the following table at the end of the chapter

Type	Length	Value
[145/146].cst	variable	Compound

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

page 198, line 2, chapter 11.13.19.2 add the following:

11.13.19.2 CS parameter encoding rules

Add the following table at the end of the chapter

Type	Length	Value
[145/146].cst	variable	Compound

Reason for Group's Decision/Resolution

8/10/2005

IEEE 802.16-05/042r5

Reason for Group's Decision/Resolution:

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**Ballot Number: **0001008**

Comment Date

Comment # **505**Comment submitted by: **Lei****Wang**

Member

7/10/2005

Comment	Type	Technical, Binding	Starting Page #	198	Starting Line #	2	Fig/Table#	Section	11.13.19
---------	------	--------------------	-----------------	-----	-----------------	---	------------	---------	----------

"no CS" is one of the CS types in CS specification. However, the specification for the "no CS" type is incomplete, e.g., there is no "cst" value defined for it, and also no parameter encodings defined for it. For a "no CS" type connection, at minimum the protocol type of the MAC SDU to-be-transported over the connection should be specified. The parameter encoding of "protocol" in 11.13.19.3.4.3 can be used for this.

Suggested Remedy

1. on page 198, line 2, insert the following:

11.13.19.2 CS Parameter Encoding Rules

insert the following row in before the row of "ATM" in the table of "cst" value definition.

98	no-CS
----	-------

2. on page 198, replace the paragraph in line 18 to line 22 by the following text:

The encoding of the value field is that defined by the IANA document "Protocol Numbers".

For IPv4, the value of the field specifies a matching value for the IP Protocol field. If this parameter omitted, then the comparison of the IP header Protocol field for this entry is irrelevant.

For IPv6 (IETF RFC 2460), this refers to next header entry in the last header of the IP header chain. If this parameter omitted, then the comparison of the IP header Protocol field for this entry is irrelevant.

For "no CS", the value field specifies the protocol type of the MAC SDUs that are transported over the no-CS connection. This parameter shall be specified for a no-CS connection.

Proposed Resolution**Recommendation:****Recommendation by****Reason for Recommendation****Resolution of Group****Decision of Group: Accepted-Modified**

remove the "no cs" option from the standard (by changing the value of 0 in section 11.13.19.1 to "Reserved" and removing it from section C.1.1.1.1.2)

Reason for Group's Decision/Resolution

Vote to accept the comment as modified:

In favor: 6

8/10/2005

IEEE 802.16-05/042r5

Against: 5
Fails

Motion by Carl Eklund seconded by Lei Wang to remove the "no cs" option from the standard (by changing the value of 0 in section 11.13.19.1 to "Reserved" and removing it from section C.1.1.1.1.2)

Vote:
In favor: 7
Against: 2
Passes

Group's Notes

Vote to call the question:
In favor: 13
Against: 0

Group's Action Items

Editor's Notes **Editor's Actions** [k\) done](#)

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **506**

Comment submitted by: Giulio

Cavalli

Other

7/10/2005

Comment Type **Editorial** Starting Page # **198** Starting Line # **58** Fig/Table# Section **11.13.19.3.4.5**

References to the i-th element were deleted in a previous meeting, when it was decided to use one TLV to specify one IP masked destination address, but one reference to an i-th mask still appears in the text.

Suggested Remedy

At page 198, line 58, modify the first sentence of the paragraph in section 11.13.19.3.4.5 as shown in the following (changes in red):

This parameter specifies an list of IP destination addresses (designated "dsti") and ~~their~~ its corresponding address masks (designated "dmaskⁱ").

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **507**

Comment submitted by: Giulio

Cavalli

Other

7/10/2005

Comment Type **Editorial** Starting Page # **199** Starting Line # **56** Fig/Table# Section **11.13.19.3.4.8**

References to the i-th element were deleted in a previous meeting, when it was decided to use one TLV to specify one MAC destination address and the corresponding mask, but one reference to an i-th mask still appears in the text.

Suggested Remedy

At page 199, line 56, modify the second sentence of the paragraph in section 11.13.19.3.4.8 as shown in the following (changes in red):

An IEEE 802.3/Ethernet packet with MAC destination address "etherdst" corresponds to this parameter if $dst_i = (etherdst \text{ AND } msk_i)$ for any i from 4 to n.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **508**

Comment submitted by: Pieter-Paul

Giesberts*

Member

7/10/2005

Comment Type Technical, Satisfied (was Starting Page # 200 Starting Line # 56 Fig/Table# Section 11.13.19.3.8
 [*Identical comment submitted by Pieter-Paul Giesberts and Richard van Leeuwen]

When deleting the "list of" text for all Classification parameters (Cor1/D2), the IPv6 Flow label sub-clause was not updated.

Suggested Remedy

Make the following changes:

1) Change the editorial instnction as follows:

"Change section 11.13.19.3.8 to 11.13.19.3.4.16 *and change its contents as indicated*, and renumber the following sections accordingly."

2) Below the editorial instruction, include the original text from the 802.16-2004 standard and make the following changes:

"11.13.19.3.84.16 IPv6 Flow label

The value of this field specifies a **list of** matching values for the IPv6 Flow label field. As the flow label field has a length of 20 bits, the first 4 bits of the most significant byte shall be set to 0x0 and disregarded.

Type	Length	Scope
[145/146].[101/105/107].3.15	n*3	Flow Label #'1...Flow label#n

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Make the following changes:

1) Change the editorial instnction as follows:

"Change section 11.13.19.3.8 to 11.13.19.3.4.16 *and change its contents as indicated*, and renumber the following sections accordingly."

2) Below the editorial instruction, include the original text from the 802.16-2004 standard and make the following changes:

"11.13.19.3.84.16 IPv6 Flow label

The value of this field specifies a **list of** matching values for the IPv6 Flow label field. As the flow label field has a length of 20 bits, the first 4 bits of the most significant byte shall be set to 0x0 and disregarded.

Type	Length	Scope
[145/146].[101/105/107].3.15	n*3	Flow Label #'1...Flow-label#n

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **509**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **201** Starting Line # **2** Fig/Table# Section **11.13.19.4**

DVJ269(subclause=11.13.19.4,page=201,line=2):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Messaging

==>

messaging

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **510**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **201** Starting Line # **2** Fig/Table# Section **11.13.19.4**

DVJ270(subclause=11.13.19.4,page=201,line=2):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Configuration

==>

configuration

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **511**

Comment submitted by: Giulio

Cavalli

Other

7/10/2005

Comment Type **Editorial** Starting Page # **201** Starting Line # **30** Fig/Table# Section **11.13.20**

The type numbers for Unsolicited Grant Interval and Unsolicited Polling Interval are respectively 40 and 41 according to what written at page 193, lines 58 and 60.

The type numbers of these two TLVs are different at page 201, lines 30 and 48: 35 for Unsolicited Grant Interval and 36 for Unsolicited Polling Interval.

Comment #189 of meeting #37 proposed type numbers 40 and 41 to avoid a conflict with numbers already chosen in 802.16e, so it would be better using type numbers 40 and 41 instead of 35 and 36.

Suggested Remedy

At page 201, line 30 in section 11.13.20, modify the content of the Type field of the table as shown in the following (changes in red):

[145/146].~~35~~40

At page 201, line 48 in section 11.13.21, modify the content of the Type field of the table as shown in the following (changes in red):

[145/146].~~36~~41

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

At page 201, line 30 in section 11.13.20, modify the content of the Type field of the table as shown in the following (changes in red):

[145/146].~~35~~40

At page 201, line 48 in section 11.13.21, modify the content of the Type field of the table as shown in the following (changes in red):

[145/146].~~36~~41

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes Editor's Actions k) done

Also changed the type of FSN size to 42

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **512**

Comment submitted by: **Giulio**

Cavalli

Other

7/10/2005

Comment Type **Editorial**

Starting Page # **201**

Starting Line # **33**

Fig/Table#

Section **11.13.20**

Mistyping errors.

Suggested Remedy

At page 201, both at line 33 and at line 51, respectively in section 11.13.20 and in section 11.13.21, modify the last value of the Scope field from

DSC-REP

to

DSC-RSP

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **513**

Comment submitted by: **Pieter-Paul**

Giesberts*

Member

7/10/2005

Comment Type **Editorial**

Starting Page # **202** Starting Line # **6**

Fig/Table#

Section

11.13.22

[*Identical comment submitted by Pieter-Paul Giesberts and Richard van Leeuwen]

Typo

Suggested Remedy

Change scope of TLV table as follows:

"DSA-REQ,
DSA-RSP,
DSA-AC~~Q~~**K**"

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **514**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **203** Starting Line # **9** Fig/Table# Section **12.1.1.3**

DVJ272(subclause=12.1.1.3,page=203,line=9):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Management

==>

management

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **515**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **203** Starting Line # **16** Fig/Table# Section **12.1.1.4**

DVJ271(subclause=12.1.1.4,page=203,line=16):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Parameter Transmission Order
==>
parameter transmission order

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **516**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **203** Starting Line # **18** Fig/Table# Section **12.1.1.4.20**

DVJ273(subclause=12.1.1.4.20,page=203,line=18):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Initiated Service Addition

==>

initiated service addition

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **517**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **203** Starting Line # **34** Fig/Table# Section **12.1.1.4.23**

DVJ274(subclause=12.1.1.4.23,page=203,line=34):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Initiated Service Change

==>

initiated service change

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **518**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **203** Starting Line # **52** Fig/Table# Section **12.1.1.6.1**

DVJ275(subclause=12.1.1.6.1,page=203,line=52):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Parameters

==>

parameters

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **519**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **203** Starting Line # **52** Fig/Table# Section **12.1.1.6.1**

DVJ276(subclause=12.1.1.6.1,page=203,line=52):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Initiated

==>

initiated

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **520**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **204**

Starting Line # **26**

Fig/Table#

Section

12.1.1.6.2

DVJ277(subclause=12.1.1.6.2,page=204,line=26):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Parameters

==>

parameters

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **521**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **204** Starting Line # **26** Fig/Table# Section **12.1.1.6.2**

DVJ278(subclause=12.1.1.6.2,page=204,line=26):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Initiated

==>

initiated

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **522**

Comment submitted by: John

Humbert

Member

7/10/2005

Comment Type **Technical, Binding** Starting Page # **208** Starting Line # **24** Fig/Table# Section **12.4**

[Identical comment submitted by John Humbert, Chris Seagren, Ivy Kelly, Mark Lipford, Serge Manning, Nick J. Baustert]

Due to regulatory changes in spectrum channel allocations (for example, in US BRS band), the enabled channel bandwidths are not currently available in licensed band allocation in the system profiles

Suggested Remedy

Make 10 MHz OFDMA channels available for use in licensed bands.

In Table 411, change OFDMA_profP8 description to "WirelessMAN-OFDMA and WirelessHUMAN(-OFDMA) 10 MHz channel basic PHY Profile"

Change section title of 12.4.3.9 to "WirelessMAN-OFDMA and WirelessHUMAN(-OFDMA) 10 MHz channel basic PHY Profile"

Delete Operation Mode from Table 421

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

Vote to accept the comment:

In favor: 13

Against: 14

Fails

1. The BRS band focuses on mobility and not fixed applications
2. The solution is incomplete since it does not address the RF profiles

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

8/10/2005

IEEE 802.16-05/042r5

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **523**

Comment submitted by: John

Humbert

Member

7/10/2005

Comment Type **Technical, Binding** Starting Page # **208** Starting Line # **26** Fig/Table# Section **12.4**

[Identical comment submitted by John Humbert, Chris Seagren, Ivy Kelly, Mark Lipford, Serge Manning, Nick J. Baustert]

Due to regulatory changes in spectrum channel allocations (for example, in US BRS band), the enabled channel bandwidths are not currently available in licensed band allocation in the system profiles

Suggested Remedy

Make 20 MHz OFDMA channels available for use in licensed bands.

In Table 411, change OFDMA_profP9 description to "WirelessMAN-OFDMA and WirelessHUMAN(-OFDMA) 20 MHz channel basic PHY Profile"

Change section title of 12.4.3.10 to "WirelessMAN-OFDMA and WirelessHUMAN(-OFDMA) 20 MHz channel basic PHY Profile"

Delete Operation Mode from Table 422

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

Vote to accept the comment:

In favor: 17

Against: 11

Fails

Motion to delete the following reason for rejection:

"The BRS band focuses on mobility and not fixed applications" by Zion Hadad, seconded by Yossi Segal

In favor: 16

Against: 8

Fails on grounds of not gaining 75%

Reason for rejection of the comment:

The BRS band focuses on mobility and not fixed applications ...

8/10/2005

IEEE 802.16-05/042r5

The solution is incomplete since it does not address the RF profiles

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **524**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding**

Starting Page # **208**

Starting Line # **26**

Fig/Table#

Section

12.4.2

DVJ279(subclause=12.4.2,page=208,line=26):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Profiles

==>

profiles

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **525**

Comment submitted by: John

Humbert

Member

7/10/2005

Comment Type **Technical, Binding** Starting Page # **208** Starting Line # **28** Fig/Table# Section **12.4**

[Identical comment submitted by John Humbert, Chris Seagren, Ivy Kelly, Mark Lipford, Serge Manning, Nick J. Baustert]

Due to regulatory changes in spectrum channel allocations (for example, in US BRS band), the enabled channel bandwidths are not currently available in licensed band allocation in the system profiles

Suggested Remedy

Make 5 MHz OFDMA channels available for use in licensed and unlicensed bands.

In Table 411, add OFDMA_profP10 with description "WirelessMAN-OFDMA and WirelessHUMAN(-OFDMA) 5 MHz channel basic PHY Profile"

Add Section 12.4.3.11 as follows:

12.4.3.11 "WirelessMAN-OFDMA and WirelessHUMAN(-OFDMA) 5 MHz channel basic PHY Profile"

Profile identifier: OFDMA_ProfP10.

Systems implementing OFDMA_ProfP10 shall meet the minimum performance requirements listed in Table 422b:

Table 422b—Minimum Performance requirements for OFDMA_ProfP10

Capability	Minimum Performance
Channel bandwidth	5 MHz
BER performance threshold, BER=10 ⁻⁶ (using all subchannels BS/SS)	
QPSK-1/2	<= -86dBm
QPSK-3/4	<= -84dBm
16QAM-1/2	<= -79dBm
16QAM-3/4	<= -77dBm
64QAM-2/3 (if 64-QAM supported)	<= -72dBm
64QAM-3/4 (if 64-QAM supported)	<= -71dBm
[Add to sensitivity 10*log10(NumberOfSub-ChannelsUsed/32) when using less subchannels in the BS Rx]	
Reference frequency tolerance	
BS	<= ± 2*10 ⁻⁶
SS to BS synchronization tolerance	<= 50 Hz
Frame duration code set	{2, 4,6}

8/10/2005

IEEE 802.16-05/042r5

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: [Withdrawn](#)

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **526**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **208** Starting Line # **28** Fig/Table# Section **12.4.2.1**

DVJ280(subclause=12.4.2.1,page=208,line=28):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

[Profile](#)

==>

[profile](#)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **527**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **208** Starting Line # **34** Fig/Table# Section **12.4.2.1.1**

DVJ281(subclause=12.4.2.1.1,page=208,line=34):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Management Messages

==>

management messages

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **528**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **208** Starting Line # **41** Fig/Table# Section **12.4.2.1.2**

DVJ282(subclause=12.4.2.1.2,page=208,line=41):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Parameter Transmission Order
==>
parameter transmission order

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **529**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **208** Starting Line # **51** Fig/Table# Section **12.4.3.1**

DVJ284(subclause=12.4.3.1,page=208,line=51):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Profiles

==>

profiles

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **530**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **208** Starting Line # **51** Fig/Table# Section **12.4.3.1**

DVJ285(subclause=12.4.3.1,page=208,line=51):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Features

==>

features

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **531**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **208** Starting Line # **53** Fig/Table# Section **12.4.3.1**

DVJ283(subclause=12.4.3.1,page=208,line=53):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Profiles Features

==>

profiles features

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **532**

Comment submitted by: **Paul**

Piggin

Member

7/10/2005

Comment Type **Technical, Satisfied (was** Starting Page # **210** Starting Line # **6** Fig/Table# **413** Section **12.4.3.1.5**

Relative constellation error in table 413 is incorrect. It needs to be updated to take the new Rx SNR into account, and to include different RCE requirements for SS and BS.

Suggested Remedy

Adopt changes suggested in section called 'Suggested Corrections to 802.16-2004', and subsection called '12.4.3.1.5' in C802.16maint-05/112

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Withdrawn**

Reason for Group's Decision/Resolution

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **533**

Comment submitted by: Bogdan

Franovici

Other

7/10/2005

Comment Type **Editorial**

Starting Page # **210** Starting Line # **38**

Fig/Table# **413**

Section **12.4.3.1.5**

The reference time tolerance was not updated in table 413

Suggested Remedy

[page 210 , line 38, change the last row as shown:]

Reference time tolerance $\pm (Tb/32)/404$

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted

[page 210 , line 38, change the last row as shown:]

Reference time tolerance $\pm (Tb/32)/404$

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **534**

Comment submitted by: **Paul**

Piggin

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **211** Starting Line # **6** Fig/Table# **414** Section **12.4.3.2**

Remove row specifying Tx relative constellation error in table 414. RCE is already present in table 413 as part of the minimum performance requirements for all profiles.

Suggested Remedy

Adopt changes suggested in section called 'Suggested Corrections to 802.16-2004', and subsection called '12.4.3.2' in C802.16maint-05/112

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Withdrawn**

Reason for Group's Decision/Resolution

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **535**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **212** Starting Line # **2** Fig/Table# Section **12.4.3.3**

DVJ286(subclause=12.4.3.3,page=212,line=2):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

[Profile](#)

==>

[profile](#)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **536**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **212** Starting Line # **31** Fig/Table# Section **12.4.3.4**

DVJ287(subclause=12.4.3.4,page=212,line=31):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

[Profile](#)

==>

[profile](#)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **537**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **213** Starting Line # **22** Fig/Table# Section **12.4.3.5**

DVJ288(subclause=12.4.3.5,page=213,line=22):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Profile

==>

profile

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **538**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **213** Starting Line # **31** Fig/Table# Section **12.4.3.6**

DVJ289(subclause=12.4.3.6,page=213,line=31):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

[Profile](#)

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[profile](#)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **539**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **214** Starting Line # **22** Fig/Table# Section **12.4.3.7**

DVJ290(subclause=12.4.3.7,page=214,line=22):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

[Profile](#)

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[profile](#)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **540**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **214** Starting Line # **31** Fig/Table# Section **12.4.3.8**

DVJ293(subclause=12.4.3.8,page=214,line=31):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

Profile

==>

profile

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **541**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **214** Starting Line # **36** Fig/Table# Section **12.4.3.9**

DVJ292(subclause=12.4.3.9,page=214,line=36):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

[Profile](#)

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[profile](#)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **542**

Comment submitted by: **David**

James

Member

7/8/2005

Comment Type **Editorial, Binding** Starting Page # **214** Starting Line # **41** Fig/Table# Section **12.4.3.10**

DVJ291(subclause=12.4.3.10,page=214,line=41):
English words should not be capitalized simply because
their meaning is different from normal English usage.

Suggested Remedy

[Profile](#)

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[profile](#)

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **543**

Comment submitted by: **Kyungjoo**

Suh

Other

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **510** Starting Line # **51** Fig/Table# **Tabl** Section **11.5, 11.6**

Even though the current specification supports a number of MCS modulation level, the RNG-RREQ and RNG-RSP message contain only DIUC. Therefore, when SS perform initial ranging at the cell edge , there is no way for SS to communicate BS using a certain MCS level. In this Draft, we offer a solution to overcome this problem including the Repetition Coding Indication.

Suggested Remedy

Adopt the contribution C802.16maint-05/132

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

The contribution presents optimization of the DL burst profile during the entwork entry and does not fix anything broken, and was rejected due to request of the commenter

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **544**

Comment submitted by: Paul

Piggin

Member

7/10/2005

Comment Type Technical, Satisfied (was Starting Page # 625 Starting Line # Fig/Table# 336 Section 8.4.12.3

The transmitter constellation error is not consistent with corrected Rx SNR values. Table 336 (page 625 of 802.16-2004) needs to be changed. Split up the relative constellation error requirements for SS and BS. For SS, RCE = BS SNR + BS implementation loss + 8 dB = BS SNR+13dB. Cap this value at -30 dB. For BS, RCE = SS SNR + SS implementation loss + 8 dB = SS SNR+13dB. Cap this value at -31 dB.

See See IEEE C802.16maint-05/112 for full details.

Suggested Remedy

Adopt changes suggested in section called 'Suggested Corrections to 802.16-2004', and subsection called '12.4.12.3' in C802.16maint-05/112

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Withdrawn

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **545**

Comment submitted by: Paul

Piggin

Member

7/10/2005

Comment Type **Technical, Satisfied (was** Starting Page # **627** Starting Line # Fig/Table# **338** Section **8.4.13.1**

Rx SNR values for OFDMA are incorrect in table 338 The values should be:

Modulation	Coding rate	Rx SNR
QPSK	1/2	5
QPSK	3/4	8
16QAM	1/2	10.5
16QAM	3/4	14
64QAM	1/2	16
64QAM	2/3	18
64QAM	3/4	20

The values currently in Table 338 are in error, as they neglected to include coding gains.

IN addition, we need to define the equation on which sensitivity is calculated, and add in the repetition factor to the sensitivity calculation. See IEEE C802.16maint-05/112 for full details.

Suggested Remedy

Adopt changes suggested in section called 'Suggested Corrections to 802.16-2004', and subsection called '8.4.13.1' in C802.16maint-05/112

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Withdrawn**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **546**

Comment submitted by: Paul

Piggin

Member

7/10/2005

Comment Type **Technical, Non-binding** Starting Page # **629** Starting Line # Fig/Table# **339** Section **8.4.13.2**

The adjacent and nonadjacent channel rejection difference between 16QAM-3/4 and 64QAM-3/4 is incorrect.

Typically, this rejection is measured by applying a blocker on an adjacent or nonadjacent channel. The level of the blocker is increased until it causes the SNR to degrade so that the BER increases beyond a predetermined limit. The difference in Rx SNR between 16QAM and 64QAM-3/4 is 6 dB. Therefore, there should be a 6 dB difference in the blocker level limit; the current standard has a 7 dB difference.

Suggested Remedy

Table 339 (page 629 of 802.16-2004) should read

Modulation/coding	Adjacent Channel Rejection (dB)	Non-adjacent Channel Rejection (dB)
16QAM-3/4	44 10	30 29
64QAM-3/4	4	23

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

Vote to accept contribution C80216maint-05_141r1, to section 8.4.13.2,

In favor: 9

Against: 12

Fails

The comment does not fix a problem in the standard.

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **547**

Comment submitted by: **David**

Castelow

Member

7/10/2005

Comment Type **Editorial**

Starting Page # **723** Starting Line # **3**

Fig/Table# Section **12.1.1.4.3**

Typo

There is no mention in the corrigendum D3 of the typo in 802.16-2004, page 723:

Suggested Remedy

Add at page 203, line 19

12.1.1.4.3 UCD

The parameters of the **DU**CD message are PHY profile specific.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **548**

Comment submitted by: **Paul**

Piggin

Member

7/10/2005

Comment Type **Technical, Satisfied (was** Starting Page # **759** Starting Line # Fig/Table# **404** Section **12.3.2**

Relative constellation error in table 404 (page 759 of 802.16-2004) is incorrect. It needs to be updated to take the new Rx SNR into account.

Suggested Remedy

Adopt changes suggested in section called 'Suggested Corrections to 802.16-2004', and subsection called '12.3.2' in C802.16maint-05/112

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Withdrawn**

Reason for Group's Decision/Resolution

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **549**

Comment submitted by: Jay

Catelli

Member

7/10/2005

Comment Type **Editorial** Starting Page # **gen** Starting Line # Fig/Table# Section

Throughout the document binary numbers are represented in three different ways (xx, 0bxx, and x) Examples of this can be found on table 91 and table 91.

Suggested Remedy

I would stick to one representation and continue that representation throughout the document.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Superseded**

Reason for Group's Decision/Resolution

By comment #61

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **550**

Comment submitted by: **Petar**

Djukic

Member

7/10/2005

Comment	Type	Starting Page #	Starting Line #	Fig/Table#	Section
---------	------	-----------------	-----------------	------------	---------

The correction to the standard does not address any of the issues in the "mesh" portions of the standard. There are many issues that should be resolved in that part of the standard as well.

Suggested Remedy

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Reason for Group's Decision/Resolution

No specific resolution was provided

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **551**

Comment submitted by: **Andre F.A.**

Fournier

Member

7/10/2005

Comment	Type	Starting Page #	Starting Line #
The document is very good and informative.	Editorial		

Fig/Table#

Section

Suggested Remedy

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions |) none needed

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **552**

Comment submitted by: John

Humbert

Member

7/10/2005

Comment Type **Technical, Binding** Starting Page # Starting Line # Fig/Table# Section **12.3**

[Identical comment submitted by John Humbert, Chris Seagren, Ivy Kelly, Mark Lipford, Serge Manning, Nick J. Baustert]

Due to regulatory changes in spectrum channel allocations (for example, in US BRS band), the enabled channel bandwidths are not currently available in licensed band allocation in the system profiles

Suggested Remedy

Make 10 MHz OFDM channels available for use in licensed bands.

In Table 398, change profP3_10 description to "WirelessMAN-OFDM and WirelessHUMAN(-OFDM) 10 MHz channel basic PHY Profile"

Change section title of 12.3.2.6 to "profP3_10: WirelessMAN-OFDMA and WirelessHUMAN(-OFDMA) 10 MHz channel basic PHY Profile"

Under mandatory features (in 12.3.2.6):

Delete "-License-exempt band usage only" from mandatory features

Change "- DFS capability" to "- DFS capability (for license-exempt bands only)"

Change Table 410 add/change to "Spectral mask" capability

For licensed bands, spectral mask shall follow local regulations.	
For license-exempt bands, sSpectral mask (IB):	Linear interpolation
f0 ± 0 MHz	between points:
f0 ± 4.75 MHz	0 dBr
f0 ± 5.45 MHz	0 dBr
f0 ± 9.75 MHz	-25 dBr
f0 ± 14.75 MHz	-32 dBr
	-50 dBr

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Withdrawn**

Reason for Group's Decision/Resolution

8/10/2005

IEEE 802.16-05/042r5

Group's Notes

D

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **553**

Comment submitted by: John T.

Scott

Coordination

6/21/2005

Comment	Coordination	Starting Page #	Starting Line #	Fig/Table#	Section
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SCC14 Coordination Comments on
P802.16-2004/Cor 1: Corrigendum to IEEE Standard for Local and Metropolitan Area Networks - Part 16: Air Interface for Fixed Broadband
Wireless Access Systems

Very little in this long standard raises any concerns from SCC14. Here are a couple of picky points:

- 1) The decibel, dB, is of course a permitted unit (although, oddly, it is not SI). Likewise, the dBm is well-enough understood to be permitted also. But I'd like to see a definition (that is, the reference level) of dBi when it first appears (in subclause 8.3.10). The "m" and the "i" would be better as subscripts.
- 2) A little more care needs to be taken to ensure that all quantity symbols are set, as they should be, in italic. Note that k and k appear interchangeably in 8.4.4.5 2) (k is correct). The integer counting symbol n or N occasionally appears incorrectly as roman.
- 3) Note that the unit symbol for "second" is "s" and that for "millisecond" is "ms." In Table 342 I find the incorrect "msec," which is specifically not permitted.

That's all ...

For IEEE SCC14
John T. Scott
john.scott@physics.org

21 June 2005

Suggested Remedy

Proposed Resolution	Recommendation:	Recommendation by
---------------------	-----------------	-------------------

Reason for Recommendation

Resolution of Group	Decision of Group: Accepted-Modified
---------------------	---

- 1) The decibel, dB, is of course a permitted unit (although, oddly, it is not SI). Likewise, the dBm is well-enough understood to be permitted also. But I'd like to see a definition (that is, the reference level) of dBi when it first appears (in subclause 8.3.10). The "m" and the "i" (isotropic).
dBm dB referenced to 1 milliwatt

- 2) A little more care needs to be taken to ensure that all quantity symbols are set, as they should be, in italic. Note that k and k appear

interchangeably in 8.4.4.5 2) (k is correct). The integer counting symbol n or N occasionally appears incorrectly as roman.

3) Note that the unit symbol for "second" is "s" and that for "millisecond" is "ms." In Table 342 I find the incorrect "msec," which is specifically not permitted.

(Change every instance of "msec" to "ms")

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

1) In section 4, I have included the following abbreviations:

"dBm Decibels relative to one milliwatt

dBi Decibels of gain relative to the zero dB gain of a free-space isotropic radiator"

[Note that dBm is taken from the IEEE Dictionary (IEEE Std 100-1996); dBi is taken from
<<http://ntia.its.bldrdoc.gov/fs-1037/fs-1037c.htm>><http://ntia.its.bldrdoc.gov/fs-1037/fs-1037c.htm>>]

Regarding subscripting the "m" or the "i", note that the IEEE Dictionary does not subscript the "m" in dBm. Nor does the baseline document IEEE Std 802.16-2004 subscript the "m" or the "i" in dBm or dBi, so I do not want the Corrigendum to be inconsistent with that document. Making such a change would be in the authority of the IEEE staff editor, however.

2) I have reviewed and try to identify quantity symbols through out the document and to edit them to be italic, although I might have missed some instances, anyway the IEEE technical editor will fix such instances as well.

3) I have changed every instance of "msec" to "ms".

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **554**

Comment submitted by: **Michelle**

Turner

Coordination

6/15/2005

Comment Type **Editorial** Starting Page # Starting Line # Fig/Table# Section

SECTION I: Items/issues that shall be resolved before the ballot begins <next recirculation>:

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- If applicable all copyright permission for excerpted text, tables, and figures shall be submitted to the IEEE prior to the start of the next recirculation. If there are missing permission letters, please submit them immediately to your Staff Liaison. Sample permission letters are available in Annex D of the *IEEE Standards Style Manual* <<http://standards.ieee.org/guides/style/index.html>>.

Suggested Remedy

Proposed Resolution Recommendation: Recommendation by

Reason for Recommendation

Resolution of Group Decision of Group: **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes Editor's Actions **l) none needed**

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **555**

Comment submitted by: **Michelle**

Turner

Coordination

6/15/2005

Comment	Type	Starting Page #	Starting Line #	Fig/Table#	Section
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SECTION II: Items/issues that shall be resolved before the final recirculation

Trademarks or service marks

• Please review the use of trademarks in the draft, if applicable. References to commercial equipment or products in a standard shall be generic and shall not include trademarks or other proprietary designations. Where a sole source exists for essential equipment or materials, it is permissible to supply the name of the trademark owner in a footnote. The proper use guidelines for trademarks shall be determined by the trademark owner. Trademark owners must grant written permission before their trademarks may be referenced in a standard.

• Trademarks or other proprietary designations that are not commercial equipment or products should be avoided in standards. If used however, all trademarks shall be credited to the trademark owner in the front matter of the standard. The following text shall introduce any mention of specific trademark information:

The following information is given for the convenience of users of this standard and does not constitute an endorsement by the IEEE of these products. Equivalent products may be used if they can be shown to lead to the same results.

• Separate electronic files of figures shall be supplied in TIFF format (unless created in FrameMaker).

Suggested Remedy

Proposed Resolution **Recommendation:** **Recommendation by**

Reason for Recommendation

Resolution of Group **Decision of Group: **Accepted****

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **l) none needed**

8/10/2005

IEEE 802.16-05/042r5

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **556**

Comment submitted by: **Michelle**

Turner

Coordination

6/15/2005

Comment	Type	Starting Page #	Starting Line #	Fig/Table#	Section
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Please note, upon approval of the last balloted draft the document will be the following will take place:

- The approved draft will be copyedited for grammar, punctuation, syntax, English usage, and style according to the IEEE Standards Style Manual.

Suggested Remedy

Proposed Resolution	Recommendation:	Recommendation by
---------------------	-----------------	-------------------

Reason for Recommendation

Resolution of Group	Decision of Group: Accepted
---------------------	------------------------------------

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes **Editor's Actions** |) none needed

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **557LL**

Comment submitted by: **Rajesh**

Bhalla

Comment Type **Technical, Non-binding** Starting Page # **629** Starting Line # **10** Fig/Table# Section **8.4.13.3**

It is unnecessary to require the BS receiver to have the same maximum input signal as the SS receiver, since the BS transmitting power tends to be one or more magnitudes higher than the SS transmitting power.

Suggested Remedy

Add subsection 8.4.13.3.1 titled "[SS receiver maximum input signal](#)" below subsection 8.4.13.3 and change the sentence under it as follows: "The [SS](#) receiver shall be capable of decoding a maximum on-channel signal of -30 dBm." Add subsection 8.4.13.3.2 titled "[BS receiver maximum input signal](#)" with the following sentence above the subsection 8.4.13.4: "[The BS receiver shall be capable of decoding a maximum on-channel signal of -45 dBm.](#)"

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: [Accepted](#)

Add subsection 8.4.13.3.1 titled "[SS receiver maximum input signal](#)" below subsection 8.4.13.3 and change the sentence under it as follows: "The [SS](#) receiver shall be capable of decoding a maximum on-channel signal of -30 dBm." Add subsection 8.4.13.3.2 titled "[BS receiver maximum input signal](#)" with the following sentence above the subsection 8.4.13.4: "[The BS receiver shall be capable of decoding a maximum on-channel signal of -45 dBm.](#)"

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

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Comment # **558LL**

Comment submitted by: **Rajesh**

Bhalla

Comment Type **Technical, Non-binding** Starting Page # **629** Starting Line # **10** Fig/Table# Section **8.4.13.4**

Another related concern is that it is unnecessary to require the BS receiver to have the same maximum tolerable signal as the SS receiver, since the BS transmitting power tends to be one or more magnitudes higher than the SS transmitting power. It adds unnecessary complexity to the BS.

Suggested Remedy

Add subsection 8.4.13.4.1 titled "[SS receiver maximum tolerable signal](#)" below subsection 8.4.13.4 and change the sentence under it as follows: "The [SS](#) receiver shall tolerate a maximum signal of 0 dBm without damage." Add subsection 8.4.13.4.2 titled "[BS receiver maximum tolerable signal](#)" with the following sentence above the subsection 8.4.14: "[The BS receiver shall tolerate a maximum signal of -20 dBm without damage.](#)"

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: [Accepted-Modified](#)

Add subsection 8.4.13.4.1 titled "[SS receiver maximum tolerable signal](#)" below subsection 8.4.13.4 and change the sentence under it as follows: "The [SS](#) receiver shall tolerate a maximum signal of 0 dBm without damage." Add subsection 8.4.13.4.2 titled "[BS receiver maximum tolerable signal](#)" with the following sentence above the subsection 8.4.14: "[The BS receiver shall tolerate a maximum signal of -10 dBm.](#)"

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

Added "[without damage](#)" also to the new section 8.4.13.4.2 to be consistent with 8.4.13.4.1

Editor's Questions and Concerns

Editor's Action Items

8/10/2005

IEEE 802.16-05/042r5

Document under Review: **P802.16-2004/Cor1/D3**

Ballot Number: **0001008**

Comment Date

Comment # **559LLL**

Comment submitted by: **Paul**

Piggin

Comment	Type	Editorial	Starting Page #	88	Starting Line #	Fig/Table#	Section	8.3.10
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Rx SNR values for OFDM are incorrect in table 266. The values should be:

Rate	Rx SNR
64QAM-3/4	21
64QAM-2/3	18.5
16QAM-3/4	15
16QAM-1/2	11.5
QPSK-3/4	8.5
QPSK-1/2	6
BPSK-1/2	3

The values currently in Table 266 are in error, as they neglected to include coding gains.

The corrections were applied in P80216d_D3. Through an editorial error, these corrections were not transcribed into the P80216D-REVD_D1 standard.

Suggested Remedy

Rx SNR values for OFDM are incorrect in table 266. The values should be:

Rate	Rx SNR
64QAM-3/4	21
64QAM-2/3	18.5
16QAM-3/4	15
16QAM-1/2	11.5
QPSK-3/4	8.5
QPSK-1/2	6
BPSK-1/2	3

The values currently in Table 266 are in error, as they neglected to include coding gains.

The corrections were applied in P80216d_D3. Through an editorial error, these corrections were not transcribed into the P80216D-REVD_D1 standard.

Proposed Resolution

Recommendation:

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: **Rejected**

Section 8.3.11.1

Rx SNR values for OFDM are incorrect in table 266. The values should be:

Rate	Rx SNR
64QAM-3/4	21
64QAM-2/3	18.5
16QAM-3/4	15
16QAM-1/2	11.5
QPSK-3/4	8.5
QPSK-1/2	6
BPSK-1/2	3

Reason for Group's Decision/Resolution

Vote to accept the comment:

In favor: 22

Against: 12

Fails

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions

Editor's Questions and Concerns

Editor's Action Items