

## Editor's Comments on Consolidation leading to P802.16Rev2/D0

Hello, Roger

The first zipped file has the PDF of the entire standard.

-- As I worked in the Frame files, I typed in short comments and queries for you. The comments include A\*, and the queries include A?; all of them are underscored.

-- After creating the PDF, I searched through it and highlighted the comments in yellow and the queries in green to help you in your review.

-- Most of the queries deal with bad cross-references (xrefs) and missing callout sentences for tables and figures.

-- The comments point out copyedits I made that don't fall into one of the categories listed in the attached style sheet. Also you'll notice an occasional word or phrase underscored in the text. They are simple copyedits, too, but I forgot to include the A\*.

-- The underscores can be eliminated later after you have reviewed the changes.

See also the Excel file ([IEEE 802.16maint-07/012](#)) tracking the numbering changes in subclauses, figures, tables, and equations. Very few subclause numbers actually changed; however, the numbers on figures and tables changed almost from the beginning.

I searched and checked only about two-thirds of the abbreviations. Therefore, you may notice some of the same inconsistencies as before, and Clause 4 does not yet reflect a complete list.

Also, not all of the subclause xrefs are hyperlinked yet. That work can be done later.

If you have questions about my work on this consolidation as you proceed with your review and further changes, please contact me.

Ciao, Diane

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Cheers!

Diane W. Lacey

Freelance technical editor and indexer

<http://users.zoominternet.net/~dwlacey>

IEEE P802.16Rev2/D0 Consolidation  
Style Sheet

General Comments

1. I updated IEEE-SA Board to latest list, but it will probably change by the time this project is approved.
2. We need to bring the abstract, keywords, and introduction up-to-date. I took a stab at this step using material from the amendments.
3. Be patient when reviewing the definitions in Clause 3. The order and format of some definitions are different from what was presented in Amendment e.
4. The automatic change-bar feature is not perfect. For example, the auto-updating of xrefs is highlighted with change bars. Plus, the bars do not always continue along new tables and figures.
5. Amendment e introduced CC for convolutional coding, but CC was already being used for confirmation code. I kept CC for convolution coding when used in conjunction with a specific type of convolutional coding, e.g., CCIR or RS-CC, but spelled out term when used alone.
6. If the field name is the abbreviation, then when introducing the abbreviation as the field name, I put the phrase in parens after the abbreviation, e.g., PTI (payload type indicator) field.
7. Some of the procedure tables break differently now, and I have not yet corrected all the rules when the rows advanced to the next page.
8. Because of the intricate subclause divisions in Clause 11, I did not renumber subsequent subclauses when we deleted a subclause. Rather I show the number of the highest level of deleted subclause with the header "Reserved for future use," e.g., 11.13.19.3.6.
9. Checked xrefs, i.e., "REFERENCE," in Clause 13's MIB and changed "IEEE Std 802.16-2004" to "IEEE Std 802.16-Mar2007." NOTE that most subclause numbers didn't change, but all table and figure numbers changed.

I did not highlight the following types of copyedits:

1. Spelling out abbreviations and abbreviating phrases.
2. Changing "such that" to "so that" as needed.
3. Changing "for example," to "e.g.," in parenthetical examples.
4. Inserting commas after introductory phrases (e.g., "In the uplink (UP),").
5. Inserting commas before conjunctions (e.g., and) in compound sentences.
6. Inserting serial commas (e.g., "red, white, and blue").
7. Deleting commas before "and" when not needed (e.g., when the "and" connects a compound verb rather than a compound sentence).
8. Lowercasing words that need not be initial-capped. See list below.
9. Lowercasing the names of headers, subheaders, times, modes, connections, and intervals (except "Mesh," which is always initial-capped).
10. Initial-capping words that should not be lowercase. See list below.
11. Initial-capping the names of fields, parameters, elements or IEs, states, attributes, TLVs (but not the word "field," "parameter," "element," "state," "attribute").
12. Removing quotes from names when initial-capped, e.g., field names.
13. Correcting subject-verb agreement (i.e., when subjects can be readily identified).
14. Moving the quantity unit to a column's heading in a table when the quantity is the same throughout the column.

15. Correcting use of caps on column headings in tables and on clause, subclause, and annex titles.
16. Inserting em-dashes in blank cells in tables (although occasionally you may see a change bar for nothing more than a new em-dash).
17. Correcting the use of hyphens.
18. Italicizing “N<sub>EP</sub>” and “N<sub>SCH</sub>” when before “code.”
19. Inserting “follows” in “as:” as needed in sentences introducing a list or example.
20. Changing numbered lists to lettered lists (and vice versa) and ordered lists to dashed lists (and vice versa). (Remember that we start lists with letters on the first level and then go to numbers on the second level and that we can have only one ordered list per subclause. EXCEPTION: The subclauses in Clause 7 labeled “Actions.”)
21. Correcting punctuation at end of sentences, e.g., periods versus colons or semicolons versus colons.
22. Correcting format on variable lists, e.g., deleting end punctuation, correcting indents, correcting presentation of units of measurements (s/b in parens).
23. Changing “is comprised of” to either “comprises” or “is composed of.”
24. Italicizing variables.
25. Inserting callouts for tables, figures, and equations when using the simple format, e.g., “(See Table xxx.)” usually placed at the end of the paragraph right before the table or figure or equation. Also, inserting simple sentences to call out tables or figures in subclause with no text, e.g., “The format for xxxx is shown in Table xxx.”
26. Correcting placement of punctuation in relation to close quotes, e.g. periods and commas go inside the close quote (except with straight quotes in code).
27. Changing “those” to “the” when before a noun that is further qualified, e.g., from “those SS capabilities encodings that are necessary” to “the SS capabilities encodings that are necessary.” (Note that I did not search for “those”; however, when I noticed it while looking for other things, I corrected its use if needed.)
28. Deleting “or not” when used with “whether” or changing phrase to “regardless of whether.”
29. Inserting an article (e.g., an, a, the) before “SS” and “BS” and their plural forms.
30. Inserting “message” after proper names of messages. If the proper name is composed of words, the words are initial-capped, but the word “message” is lowercase, e.g., Key Request message. Note that the names of categories of messages, e.g., management messages, are lowercase.
31. Deleting underscores in IE names in regular text, e.g., Compact DL-MAP IE.
32. Moving “only” to just after a verb when actually modifying what comes after the verb. (Note that I did not search for “only”; however, when I noticed it while looking for other things, I corrected its placement if needed.)
33. Eliminating the use of “as to” (usually changed to “about”) and “so as to” (usually “to”).
34. Changing “That is,” at the beginning of sentences to “In other words,” which is a better introductory phrase. (Actually, you’ll see this change highlighted sometimes.)
35. Eliminating references to 802.16e and 802.16f (although they are still mentioned in the front matter and scope) usually by replacing with “this standard.”
36. Replacing references to 802.16-2004 (except if needed for backward-compatibility) by replacing with “this standard” or “802.16-Mar2007” for now (e.g., MIB in C113).
37. Changing “IEEE Std 802.16” to “IEEE 802.16” when phrase is used as an adjective before a noun and adding “IEEE” when missing. The former format is good for referring to the document itself.
38. Substituting a range of subclause numbers for “following,” e.g., changing “the following options” to “the options listed in 7.5.2.1 through 7.5.2.3.”

39. Deleting “following” when a range of subclause numbers is offered, e.g., changing “the following options listed in 7.5.2.1 through 7.5.2.3” to “the options listed in 7.5.2.1 through 7.5.2.3.”
40. Changing “as per” to “per.”
41. Correcting format on bib entries.
42. Deleting quotes from around 1 and 0 in the phrase “set to 1” or “set to 0.”

Initial-capped the following words and phrases:

Compressed-IP-Header

Initial Ranging CID, Basic CID, Primary CID, Secondary CID, Primary Management CID, Secondary Management CID, Transport CID, Broadcast CID, Multicast Polling CID, but reduced CID and multicast polling RCID

Mesh (but not “mode”)

Paging Controller ID, but paging controller

Primary SA/BS/SAID, Static SA/BS/SAID, and Dynamic SA/BS/SAID

Lowercased the following words and phrases:

action code (except Action Code attribute)

contention code, contention channel

diversity set

fast-feedback and feedback

noise figure

normal operation

paging controller, but Paging Controller ID (TLV)

parameter set

power saving class

target BS, serving BS, anchor BS, active BS, available BS, preferred BS, neighbor BS, broadcast BS, multicast BS

Used digits with words in the following cases:

3-way handshake

3-Tx antenna

3-antenna BS

4-Tx antenna

4-antenna BS

code 00 (Blah Blah Blah) or code is 00 (Blah Blah Blah) or code “Blah Blah Blah”