**IEEE P802.15**

**Wireless Specialty Networks**

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| Project | IEEE P802.15 Working Group for Wireless Specialty Networks (WSNs) |
| Title | **Responses to the comments from the IEEE editors** |
| Date Submitted | 12th November 2024 |
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| Abstract | Responses to the comments received from IEEE editors to the TG4me draft. |
| Purpose | Provide guidance to the IEEE editors to finish the editing of the TG4me draft. |
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##

1. Responses to comments
	1. General

This document contains responses to the comments from the IEEE editors. The comments in the PDF were extracted so that they show the Page number, the comment itself, and the location of the annotation on the page (lower left corner is x=0%, y=0%, and upper right corner is x=100%, y=100%).

Responses are grouped in five groups:

1. Editorial changes already done in the draft, which were ok, listed in 1.2 .
2. Editorial changes which were not yet done, but can be done, listed in 1.3 .
3. Additional editorials changes to be done, listed in 1.4 .
4. Responses to comments where nothing is to be done, listed in 1.5 .
5. Technical changes, which cannot be done now, and will be done later in next revision or corrigendum, listed in 1.6 .
	1. Editorial changes already done in the draft
		1. Alphabetical order
* Page 40 Alphabetical order (x = 15%, y = 59%)
* Page 41 Alphabetical order (x = 16%, y = 52%)
* Page 41 Alphabetical order (x = 16%, y = 28%)
* Page 42 Alphabetical order (x = 16%, y = 88%)
* Page 43 Alphabetical order (x = 16%, y = 75%)
* Page 43 Alphabetical order (x = 16%, y = 52%)
* Page 43 Alphabetical order (x = 16%, y = 18%)
* Page 43 Alphabetical order (x = 16%, y = 16%)
* Page 44 Alphabetical order (x = 16%, y = 36%)
* Page 45 Alphabetical order (x = 16%, y = 70%)

All of those are ok.

* + 1. IEEE Std
* Page 50 When referring to the IEEE standard itself, "Std" is included, but when referring to an object defined in the IEEE standard, "Std" is omitted. (x = 51%, y = 59%)

Ok.

* + 1. Commas after parameters
* Page 126 A comma added after this parameter. ok? (x = 44%, y = 35%)
* Page 129 A comma added after this parameter. ok? (x = 44%, y = 34%)
* Page 145 A comma added after this parameter. ok? (x = 44%, y = 24%)
* Page 253 A comma added after this parameter. ok? (x = 44%, y = 68%)
* Page 254 A comma added after this parameter. ok? (x = 44%, y = 47%)
* Page 431 A comma added after this parameter. ok? (x = 44%, y = 54%)
* Page 434 A comma added after this parameter. ok? (x = 47%, y = 62%)
* Page 435 A comma added after this parameter. ok? (x = 44%, y = 84%)
* Page 438 A comma added after this parameter. ok? (x = 44%, y = 74%)
* Page 563 A comma added after this parameter. ok? (x = 44%, y = 65%)

All ok.

* + 1. Hex symbols
* Page 107 For consistency with other hex symbols, changed to "9e". ok? (x = 66%, y = 90%)
* Page 276 Changed to "ff" to match hex characters throughout document. (x = 43%, y = 71%)
* Page 338 For consistency with other hex symbols, changed to "493e0". ok? (x = 80%, y = 60%)
* Page 338 For consistency with other hex symbols, changed to "186a0". ok? (x = 55%, y = 55%)
* Page 429 For consistency with other hex symbols, changed to "3f". ok? (x = 47%, y = 84%)
* Page 430 For consistency with other hex symbols, changed to "3f". ok? (x = 48%, y = 33%)
* Page 432 For consistency with other hex symbols, changed to "3f". ok? (x = 48%, y = 28%)
* Page 435 For consistency with other hex symbols, changed to "3f". ok? (x = 46%, y = 32%)
* Page 438 For consistency with other hex symbols, changed to "3f". ok? (x = 46%, y = 10%)
* Page 440 For consistency with other hex symbols, changed to "3f". ok? (x = 49%, y = 18%)
* Page 482 For consistency with other hex symbols, changed to "0x0d, 0x0a". ok? (x = 57%, y = 79%)

Changing all those to lowercase is ok.

* + 1. Notes
* Page 119 This text is not clear as to whether it is an informative NOTE or whether it is normative (Note that...). It has been re-formatted as an informative NOTE. (x = 15%, y = 85%)
* Page 236 This text is not clear as to whether it is an informative NOTE or whether it is normative (Note that...). It has been re-formatted as an informative NOTE. (x = 15%, y = 43%)
* Page 265 This text is not clear as to whether it is an informative NOTE or whether it is normative (Note that...). It has been re-formatted as an informative NOTE. (x = 15%, y = 71%)
* Page 419 This text is not clear as to whether it is an informative NOTE or whether it is normative (Note that...). It has been re-formatted as an informative NOTE. (x = 15%, y = 61%)
* Page 483 This text is not clear as to whether it is an informative NOTE or whether it is normative (Note that...). It has been re-formatted as an informative NOTE. (x = 15%, y = 15%)
* Page 511 This text is not clear as to whether it is an informative NOTE or whether it is normative (Note that...). It has been re-formatted as an informative NOTE. (x = 15%, y = 28%)
* Page 523 This text is not clear as to whether it is an informative NOTE or whether it is normative (Note that...). It has been re-formatted as an informative NOTE. (x = 15%, y = 59%)
* Page 528 This text is not clear as to whether it is an informative NOTE or whether it is normative (Note that...). It has been re-formatted as an informative NOTE. (x = 15%, y = 32%)
* Page 654 This text is not clear as to whether it is an informative NOTE or whether it is normative (Note that...). It has been re-formatted as an informative NOTE. (x = 15%, y = 48%)
* Page 659 This text is not clear as to whether it is an informative NOTE or whether it is normative (Note that...). It has been re-formatted as an informative NOTE. (x = 15%, y = 25%)
* Page 676 This text is not clear as to whether it is an informative NOTE or whether it is normative (Note that...). It has been re-formatted as an informative NOTE. (x = 15%, y = 38%)
* Page 677 This text is not clear as to whether it is an informative NOTE or whether it is normative (Note that...). It has been re-formatted as an informative NOTE. (x = 15%, y = 69%)
* Page 677 This text is not clear as to whether it is an informative NOTE or whether it is normative (Note that...). It has been re-formatted as an informative NOTE. (x = 15%, y = 46%)
* Page 678 This text is not clear as to whether it is an informative NOTE or whether it is normative (Note that...). It has been re-formatted as an informative NOTE. (x = 15%, y = 55%)
* Page 678 This text is not clear as to whether it is an informative NOTE or whether it is normative (Note that...). It has been re-formatted as an informative NOTE. (x = 15%, y = 82%)
* Page 679 This text is not clear as to whether it is an informative NOTE or whether it is normative (Note that...). It has been re-formatted as an informative NOTE. (x = 15%, y = 40%)
* Page 686 This text is not clear as to whether it is an informative NOTE or whether it is normative (Note that...). It has been re-formatted as an informative NOTE. (x = 15%, y = 15%)
* Page 789 This text is not clear as to whether it is an informative NOTE or whether it is normative (Note that...). It has been re-formatted as an informative NOTE. (x = 15%, y = 20%)
* Page 811 This text is not clear as to whether it is an informative NOTE or whether it is normative (Note that...). It has been re-formatted as an informative NOTE. (x = 15%, y = 67%)
* Page 882 This text is not clear as to whether it is an informative NOTE or whether it is normative (Note that...). It has been re-formatted as an informative NOTE. (x = 15%, y = 74%)
* Page 955 This text is not clear as to whether it is an informative NOTE or whether it is normative (Note that...). It has been re-formatted as an informative NOTE. (x = 15%, y = 59%)

All of those changes are ok.

* Page 508 This text is not clear as to whether it is an informative NOTE or whether it is normative (Note that...). It has been re-formatted as normative text. (x = 15%, y = 85%)
* Page 788 This text is not clear as to whether it is an informative NOTE or whether it is normative (Note that...). It has been re-formatted as normative text. (x = 15%, y = 72%)

Both of these changes are ok.

* + 1. Graphics
* Page 50 Vertical lines on left and right of figure removed. (x = 10%, y = 20%)
* Page 57 beacon (x = 27%, y = 47%)
* Page 60 No change to figure (x = 12%, y = 78%)
* Page 64 Next (x = 34%, y = 88%)
* Page 82 "of" deleted (x = 67%, y = 70%)
* Page 167 Changed to "Address" to match line 18. ok? (x = 62%, y = 28%)
* Page 168 Changed to "Level" to match line 5. ok? (x = 80%, y = 79%)
* Page 185 Next (x = 36%, y = 89%)
* Page 188 Changed to "TrackBeacon" (x = 31%, y = 27%)
* Page 199 Changed to En dash (x = 68%, y = 71%)
* Page 207 Changed to "Handle" to match line 13. ok? (x = 29%, y = 28%)
* Page 207 Changed to "Size" to match line 15. ok? (x = 37%, y = 28%)
* Page 220 Size of graphic increased (x = 25%, y = 71%)
* Page 223 Changed to "channel adaptation mode" (x = 61%, y = 60%)
* Page 229 Changed to "Request" (x = 45%, y = 60%)
* Page 229 Changed to "Response". (x = 49%, y = 58%)
* Page 245 Changed to "Sub-block Length" to match line 13. (x = 43%, y = 60%)
* Page 245 Changed to "Sub-block Index to match line 16. (x = 63%, y = 60%)
* Page 245 Changed to "Type" to match line 11. (x = 31%, y = 60%)
* Page 275 Changed to "to" to match line 5 and elsewhere. (x = 31%, y = 75%)
* Page 283 Figure cleaned up by re-exporting from Visio (x = 21%, y = 47%)
* Page 301 Figure unchanged (x = 17%, y = 31%)
* Page 312 s (x = 26%, y = 51%)
* Page 312 Changed to "portion" (x = 34%, y = 51%)
* Page 312 p (x = 47%, y = 48%)
* Page 312 s (x = 64%, y = 51%)
* Page 312 Changed to "portion" (x = 71%, y = 51%)
* Page 323 Box removed from figure (x = 22%, y = 65%)
* Page 323 Changed to "life extension?" (x = 49%, y = 79%)
* Page 325 I (x = 59%, y = 28%)
* Page 365 N (x = 19%, y = 88%)
* Page 365 N (x = 19%, y = 45%)
* Page 368 N (x = 19%, y = 81%)
* Page 416 Hyphens changed to en dashes (x = 24%, y = 66%)
* Page 416 d (x = 19%, y = 40%)
* Page 416 not italic (x = 25%, y = 40%)
* Page 417 d (x = 53%, y = 65%)
* Page 418 s (x = 20%, y = 15%)
* Page 418 r (x = 25%, y = 15%)
* Page 420 h (x = 24%, y = 49%)
* Page 420 h (x = 72%, y = 49%)
* Page 421 h (x = 19%, y = 83%)
* Page 421 h (x = 75%, y = 83%)
* Page 421 h (x = 18%, y = 47%)
* Page 421 h (x = 75%, y = 47%)
* Page 422 h (x = 18%, y = 84%)
* Page 422 h (x = 75%, y = 84%)
* Page 483 c (x = 30%, y = 45%)
* Page 483 m (x = 35%, y = 45%)
* Page 483 c (x = 65%, y = 45%)
* Page 483 m (x = 70%, y = 45%)
* Page 504 c (x = 16%, y = 81%)
* Page 504 p (x = 19%, y = 81%)
* Page 504 r (x = 18%, y = 68%)
* Page 504 p (x = 17%, y = 67%)
* Page 504 r (x = 16%, y = 53%)
* Page 504 p (x = 19%, y = 53%)
* Page 505 c (x = 15%, y = 76%)
* Page 505 p (x = 19%, y = 76%)
* Page 505 r (x = 18%, y = 62%)
* Page 505 p (x = 19%, y = 61%)
* Page 505 r (x = 16%, y = 45%)
* Page 505 p (x = 19%, y = 45%)
* Page 541 c (x = 36%, y = 66%)
* Page 541 m (x = 39%, y = 66%)
* Page 541 i (x = 35%, y = 60%)
* Page 541 m (x = 40%, y = 60%)
* Page 541 r (x = 35%, y = 53%)
* Page 541 m (x = 40%, y = 53%)
* Page 544 Line removed from figure (x = 10%, y = 21%)
* Page 609 c (x = 33%, y = 74%)
* Page 609 a (x = 33%, y = 79%)
* Page 609 c (x = 42%, y = 68%)
* Page 609 a (x = 49%, y = 68%)
* Page 628 d (x = 21%, y = 33%)
* Page 628 f (x = 16%, y = 32%)
* Page 628 s (x = 75%, y = 32%)
* Page 634 d (x = 21%, y = 46%)
* Page 634 f (x = 16%, y = 44%)
* Page 634 s (x = 76%, y = 44%)
* Page 654 e (x = 23%, y = 44%)
* Page 654 e (x = 23%, y = 38%)
* Page 654 d (x = 23%, y = 29%)
* Page 654 d (x = 23%, y = 25%)
* Page 654 b (x = 20%, y = 45%)
* Page 654 b (x = 18%, y = 38%)
* Page 654 b (x = 19%, y = 30%)
* Page 654 b (x = 20%, y = 26%)
* Page 654 b (x = 31%, y = 38%)
* Page 654 b (x = 31%, y = 30%)
* Page 654 c (x = 35%, y = 39%)
* Page 654 e (x = 36%, y = 38%)
* Page 654 c (x = 35%, y = 31%)
* Page 654 d (x = 36%, y = 29%)
* Page 654 m (x = 47%, y = 38%)
* Page 654 d (x = 46%, y = 30%)
* Page 654 i (x = 57%, y = 38%)
* Page 654 s (x = 67%, y = 38%)
* Page 654 s (x = 67%, y = 30%)
* Page 671 c (x = 45%, y = 55%)
* Page 671 e (x = 44%, y = 54%)
* Page 671 o (x = 76%, y = 55%)
* Page 697 d (x = 26%, y = 54%)
* Page 697 f (x = 21%, y = 53%)
* Page 697 w (x = 37%, y = 53%)
* Page 697 m (x = 57%, y = 53%)
* Page 697 s (x = 72%, y = 53%)
* Page 736 en dash (x = 38%, y = 67%)
* Page 736 en dash (x = 72%, y = 62%)
* Page 736 en dash (x = 71%, y = 56%)
* Page 737 en dash (x = 71%, y = 74%)
* Page 737 en dash (x = 71%, y = 69%)
* Page 737 en dash (x = 71%, y = 67%)
* Page 737 en dash (x = 71%, y = 61%)
* Page 737 en dash (x = 41%, y = 70%)
* Page 742 m (x = 26%, y = 81%)
* Page 742 s (x = 29%, y = 81%)
* Page 742 t (x = 59%, y = 81%)
* Page 742 n (x = 69%, y = 81%)
* Page 742 m (x = 72%, y = 81%)
* Page 742 m (x = 25%, y = 77%)
* Page 742 s (x = 28%, y = 77%)
* Page 779 C (x = 53%, y = 89%)
* Page 779 C (x = 74%, y = 89%)
* Page 779 w (x = 68%, y = 79%)
* Page 779 To pilot insertion (x = 75%, y = 76%)
* Page 792 m (x = 65%, y = 58%)
* Page 830 en dash (x = 39%, y = 68%)
* Page 847 e (x = 30%, y = 80%)
* Page 847 c (x = 25%, y = 78%)
* Page 847 i (x = 26%, y = 77%)
* Page 847 w (x = 28%, y = 65%)
* Page 847 Box removed (x = 12%, y = 74%)
* Page 858 Font size increased (x = 15%, y = 77%)
* Page 889 s (x = 31%, y = 33%)
* Page 889 s (x = 52%, y = 33%)
* Page 889 s (x = 65%, y = 33%)
* Page 889 f (x = 66%, y = 31%)
* Page 890 s (x = 31%, y = 86%)
* Page 890 s (x = 52%, y = 86%)
* Page 890 s (x = 65%, y = 86%)
* Page 890 f (x = 67%, y = 84%)
* Page 890 e (x = 27%, y = 27%)
* Page 890 m (x = 62%, y = 27%)
* Page 890 s (x = 76%, y = 29%)
* Page 907 Font size increased (x = 17%, y = 34%)

All of those are ok.

* + 1. Plus or minus
* Page 413 When it is A plus or minus B, there is a space between the +- and B. When the plus or minus means either sign of a number, there is no space. (x = 42%, y = 9%)
* Page 632 When it is A plus or minus B, there is a space between the +- and B. When the plus or minus means either sign of a number, there is no space. (x = 46%, y = 69%)

All of those changes are ok.

* + 1. Boolean
* Page 150 All of the other instances of a Boolean have "TRUE, FALSE" here regardless of the default state, so changed to "TRUE, FALSE". ok? (x = 42%, y = 67%)

This change is ok.

* + 1. Editorial changes to text
* Page 83 Changed to "Address" (x = 66%, y = 44%)
* Page 221 Changed to "superframe duration, SD," (x = 40%, y = 73%)
* Page 236 Changed to "Channel Offset Bitmap". ok? (x = 60%, y = 55%)
* Page 238 Changed to "Hopping Sequence ID". ok? (x = 67%, y = 44%)
* Page 242 Changed to "already". ok? (x = 39%, y = 47%)
* Page 296 Changed to "Source IE Content field" to match figure title. ok? (x = 37%, y = 74%)
* Page 298 Changed to "Timestamp IE Content field" to match figure title. ok? (x = 18%, y = 87%)
* Page 298 Changed to "Difference IE Content field" to match figure title. ok? (x = 25%, y = 64%)
* Page 305 Changed to "Specification IE Content field" to match figure title. ok? (x = 23%, y = 56%)
* Page 340 Changed to "Secure" to match Figure 10-139. (x = 16%, y = 11%)
* Page 341 Changed to "Secure" to match Figure 10-139. (x = 39%, y = 90%)
* Page 369 Paragraph moved to be in same order as in Figure 10-158. ok? (x = 15%, y = 47%)
* Page 404 Re-worded in line with other IEs. (x = 15%, y = 61%)
* Page 405 Re-worded in line with other IEs. (x = 35%, y = 59%)
* Page 570 pi (x = 75%, y = 88%)
* Page 699 Changed to "16". ok? (x = 32%, y = 68%)
* Page 706 Multiple tables in this clause re-formatted because they did not contain any header rows. (x = 9%, y = 23%)
* Page 714 Changed to "Length" in accordance with later text. (x = 69%, y = 43%)
* Page 734 Delta f equals added to beginning of equation (x = 10%, y = 19%)
* Page 739 deleted (x = 15%, y = 56%)
* Page 773 P (x = 67%, y = 41%)
* Page 789 Row dividers removed (x = 69%, y = 29%)
* Page 824 P (x = 54%, y = 80%)
* Page 838 Changed to multiply symbol (x = 42%, y = 52%)
* Page 845 P (x = 54%, y = 74%)
* Page 863 B20 (x = 67%, y = 69%)
* Page 878 Changed to multiply symbol (x = 20%, y = 65%)
* Page 878 Changed to multiply symbol (x = 43%, y = 65%)
* Page 881 Changed to a medium equation (x = 57%, y = 17%)
* Page 884 Changed to a medium equation (x = 62%, y = 55%)
* Page 892 changed to pi/4 (deleted the "i"). ok? (x = 46%, y = 25%)
* Page 902 Delta f equals added to beginning of equation (x = 14%, y = 81%)
* Page 934 BUPT stands for "Beijing University of Posts and Telecommunications" (x = 27%, y = 76%)
* Page 959 Changed to "2024" (x = 48%, y = 86%)

All of those changes are ok.

* 1. Editorial changes which were not yet done, but can be done
		1. Use of must
* Page 214 "must" is deprecated. Is it ok to change this to "shall use"? If not, possible alternatives for "must use" are:
uses
has to use
is required to use (x = 39%, y = 11%)

Change to "shall use".

* Page 264 "must" is deprecated. Is it ok to change this to "has to be"? (x = 47%, y = 79%)

Change to "has to be".

* Page 283 "must" is deprecated. Is it ok to change this to "has to depend"? (x = 35%, y = 77%)

Change to "has to depend".

* Page 433 "must" is deprecated. Is it ok to change this to "has to be"? (x = 28%, y = 54%)

Change to "has to be".

* + 1. Extra parameters
* Page 113 Shouldn't this table contain rows for the other six parameters? (x = 8%, y = 13%)

All those parameters (PendAddrSpec, AddrList, BeaconType, HeaderIeList, PayloadIeList, BeaconPayload) were moved inside the PanDescriptor. Table 8-3 has AddrList, BeaconType, HeaderIeList, PayloadIeList and BeaconPayload. The PendAddrSpec only contained number of short and exteneded addresses in the AddrList. It is not needed as the AddrList is conceptual list containing addresses.

Remove the parameters on lines 13-18 (PendAddrSpec … BeaconPayload).

* + 1. Operating parameter vs channel
* Page 408 Should this be "operating parameter switch"? (x = 63%, y = 82%)
* Page 408 Should this be "operating parameter switch"? (x = 57%, y = 78%)
* Page 408 Should this be "operating parameter"? (x = 27%, y = 47%)
* Page 408 Should this be "operating parameter"? (x = 61%, y = 11%)

Yes, change to as said in comment.

* + 1. Adding number to replace ANA
* Page 370 What does this mean? Assigned Numbers Authority? Shouldn't this contain a hex value? (x = 30%, y = 52%)

It is missing ANA allocation. There is already existing implementations implementing this and they are using number 0xXX for this, so change <ANA> to match that.

IEEE 802.15 WG will create ANA registry for this table, and allocate that number from there.

Ben will provide the number for 0xXX.

* + 1. Other editorial
* Page 438 Should this be here? (x = 28%, y = 22%)

No it should not, remove "in 7.4.3" from DeviceAddress.

* Page 523 Should this be "received VChallenge" as per Table 10-175? (x = 15%, y = 67%)

Yes, it should be "received VChallenge", change "Pchallenge" to "VChallenge".

* + 1. Changes to graphics
* Page 182 Leftmost arrow moved to the left of the first vertical dotted line. (As per the beacon on the right of the diagram.) Is this what was intended? (x = 10%, y = 24%)

This figure was added in 2011, and was broken already there. The fix to make the Beacon in the left side same as on right side is correct. The picture is also bit misleading as it is not clear that SD and BI start from the beginning of the beacon at left, and that BI ends on the dotted line on right. Now there is small gap between left ends of the arrow and the dotted line, and between right end of BI arrow and dotted line.

The current fix in proof is ok.

Also fix the SD and BI lines so they extend until the dotted lines on left and right (SD line already goes to the dotted line in the middle, which is correct, but BI line ends bit before the end of dotted line in right, and both end too early on left).

* Page 221 Figure 10-24 appears to be the same as Figure 10-23. Could this reference be changed to Figure 10-23 and Figure 10-24 be removed? (x = 52%, y = 35%)

This was changed during the previous revision (Rev-c) after LB150. In there they removed the more simple figure 5-7 and replaced it with the more complicated Figure 6-49. When all this text got moved from clauses 5 and 6 to clause 10, those figures ended up as 10-23 and 10-24. I did not find any comments which would have been related to the change, so I do not know why it was done, but my guess is that Figure 5-7 was just simplified version and someone complained that it does not contain all the information and that is why they decided to use Figure 6-49 instead.

The correct fix is to remove 10-24, and change all references to 10-24 to 10-23.

One of the figures is referencing DSME\_multi-superframe\_structure.emf and another is imported by copy, so make sure the 10-23 is the one that uses emf file.

* Page 240 Should this be Figure 10-26? (x = 23%, y = 52%)
* Page 240 Should this be Figure 10-26? (x = 44%, y = 43%)
* Page 242 Should this be Figure 10-26? (x = 64%, y = 82%)
* Page 242 Should this be Figure 10-26? (x = 70%, y = 90%)

Original IEEE Std 802.15.4e-2012 do use reference to Figure 34h in all of these cases, and that matches what we now has as figure 10-26. I think this is mistake that happened during IEEE Std 802.15.4-2015 revision, as there the references are wrong.

So yes, update these references to 10-26.

* Page 676 d (x = 22%, y = 85%)
* Page 676 r (x = 28%, y = 84%)
* Page 676 e (x = 29%, y = 83%)
* Page 676 l (x = 58%, y = 82%)
* Page 676 g (x = 66%, y = 83%)
* Page 676 d (x = 79%, y = 85%)

These changes are ok, but why "Scrambler Spreader", still has uppercase "Spreader"? Fix that to be in lowercase too.

* + 1. References
* Page 933 This document is now at revision 15 on Mentor. Should this reference be updated or left at revision 6? (x = 52%, y = 69%)

The ANA document will be updated all the time, so remove the revision number completely, as we want everybody to refer latest version.

I.e., change it to 15-13-0257, without revision number at all.

* Page 933 The latest revision of this document is 33. Should this be changed to "15-10-0235-33"? (x = 57%, y = 33%)

The operations manual will be updated every now and then, so remove the revision number completely, as we want everybody to refer latest version.

I.e., change it to 15-10-0235, without revision number at all.

* Page 933 There seems to be a revision 1 of this document on Mentor. Should this be changed to "15-20-0002-01-004z"? (x = 60%, y = 72%)
* Page 933 There seems to be a revision 1 of this document on Mentor. Should this be changed to "15-14-0226-01-0000"? (x = 59%, y = 62%)
* Page 933 There seems to be a revision 6 of this document on Mentor (even though it has 15-18-0523-05-004z in its header the same as revision 5 has). Should this be changed to "15-18-0523-06-004z"? (x = 64%, y = 45%)
* Page 933 There seems to be a revision 2 of this document on Mentor. Should this be changed to "15-20-0003-02-004z"? (x = 71%, y = 42%)
* Page 934 There seems to be a revision 8 of this document on Mentor. Should this be changed to "15-15-0106-08-0mag"? (x = 62%, y = 38%)

Yes, update these version numbers.

* Page 934 Revision 4 of this document does not seem to exist on Mentor. Should this be changed to "15-12-0471-03-4n"? (x = 62%, y = 76%)

Yes, update it to "15-12-0471-03-004n".

* Page 934 This paper does not seem to be available from <http://csrc.nist.gov/encryption/modes/proposedmodes/>Where can it be obtained? (x = 25%, y = 83%)

Google gives some links, but I have no idea what would be good place to use, it most likely used to be in nist page, but is no longer in there.

Remove footnote.

* Page 935 This document "Informative annexe for TG4q -ULP TASK PHY" is not cited anywhere. We should add a citation in the document or remove it from the bibliography. (x = 15%, y = 84%)

Remove the bibliography entry.

* + 1. PICS
* Page 968 Should there be an "O" in this cell? (x = 59%, y = 24%)

Yes, add O in the column.

* + 1. Misc changes
* Page 85 Shouldn't this be "Info field"? (x = 55%, y = 23%)

Yes.

* Page 156 Should this be "Enhanced Beacon Requests"? (x = 52%, y = 28%)

It has been as now from the IEEE Std 802.15.4-2015 and the IEEE Std 802.15.4e-2012 contained "response to EB" instead of "response to Enhanced Beacon frame".

This PIB attribute is not used anywhere.

Change "Enhanced Beacon frame" to "Enhanced Beacon Request command".

* Page 227 Is this "one" supposed to be there, or should it be deleted? (x = 61%, y = 44%)

It is referencing to ManagementType of one from IEEE Std 802.15.4-2012. This was changed to enumeration in IEEE Std 802.15.4-2015 revision, but this place was not fixed, although allocation was added there after number one..

Remove the "one".

* Page 296 Should this be "Known Source Location field"? (x = 39%, y = 30%)

Yes.

* Page 350 Should this be "FEC Mode rate" (the same as for Table 10-95) or something else? (x = 51%, y = 61%)

Yes, it should be something else. Change to "Radio-burst Distribution Method".

* Page 559 See below (x = 54%, y = 28%)
* Page 559 See below (x = 15%, y = 20%)
* Page 560 See below (x = 18%, y = 90%)
* Page 560 The text highlighted here and in the three comments above seems to be a mixture of "Bidirectional Device Slot" and "Bidirectional Device Slot Descriptor" for the same field. (x = 39%, y = 80%)

Change to "Bidirectional Device Slot Descriptor" in all cases.

* + 1. Hex characters
* Page 942 Should this be changed to "ACDE" to match the case of the majority of hex digits in this annex? (x = 66%, y = 29%)
* Page 946 Should this be changed to "ACDE" to match the case of the majority of hex digits in this annex? (x = 56%, y = 49%)
* Page 946 Should this be changed to "ACDE" to match the case of the majority of hex digits in this annex? (x = 16%, y = 47%)
* Page 950 Should this be changed to "ACDE" to match the case of the majority of hex digits in this annex? (x = 34%, y = 14%)

Yes, all of those should be changed to uppercase.

* Page 950 Should the rest of this annex be changed to use uppercase hex characters? (This can be done using the uppercase button in Frame to avoid errors in typing.) (x = 7%, y = 7%)

Yes, all of those should be changed to uppercase to be consistent with the rest of the annex and standard.

* + 1. Constant example
* Page 614 This does not have a prefix of "a" and appears in Table 12-2.
Should this be changed to "aTurnaroundTime" (x = 32%, y = 38%)

Yes, change to aTurnaroundTime.

* + 1. Fixing mistake made in 2006
* Page 635 Shouldn't this be C14? (x = 15%, y = 32%)

Yes. Change it C14. This was correct in 2003 version but got broken in 2006, and then went unnoticed for 18 years.

* + 1. Respectively
* Page 644 ", respectively" does not seem to be appropriate here. It would mean that c0 is processed first for I and c3 is processed last for Q. ok to change it to "for both I and Q."? (x = 50%, y = 84%)
* Page 644 ", respectively" does not seem to be appropriate here. It would mean that c0 is processed first for I and c3 is processed last for Q. ok to change it to "for both I and Q."? (x = 39%, y = 81%)

Yes.

* + 1. Pi
* Page 644 This is "p" in Times New Roman font. If it were Symbol font, it would be pi. Changed to pi in symbol font. ok? (x = 67%, y = 61%)

Yes.

* + 1. Fixes to words
* Page 651 Shouldn't this be "channel"? (x = 15%, y = 11%)

Yes.

* Page 654 Should this be "clause"? (x = 64%, y = 51%)

Yes.

* Page 656 Should this be just "Position"? (x = 37%, y = 86%)

Yes.

* + 1. Cross-references
* Page 670 Should be changed to a cross-reference.
What is the correct table? (x = 23%, y = 62%)

Yes. Correct reference is Table 16-1.

* Page 694 Should be changed to a cross-reference.
What is the correct table? (x = 32%, y = 39%)

Yes, correct reference is Table 16-8.

* Page 711 Should be changed to a cross-reference.
Should this be "Figure 19-1"? (x = 66%, y = 40%)
* Page 711 Should be changed to a cross-reference.
Should this be "Figure 19-3"? (x = 18%, y = 38%)

Yes, those are correct cross-references.

* Page 719 Should be changed to a cross-reference.
Figure 15-13 does not exist, so what should this be? Figure 16-27? (x = 69%, y = 57%)

Yes, it should be cross-reference, but the correct reference is Figure 16-23.

* Page 930 Should this be Figure 24-12? (x = 41%, y = 36%)

This is broken in the original 4q amendment. I think Figure 24-12 is correct.

* + 1. Fractional hertz
* Page 748 This isn't very clear.
Presumably, it is 10416 + 2/3 Hz
Is it ok to change it to this? (x = 30%, y = 81%)
* Page 748 This isn't very clear.
Presumably, it is 8 + 1/3 ksymbol/s
Is it ok to change it to this? (x = 28%, y = 78%)

In the original 4g there was text "10416-2/3 Hz (or 31250/3 Hz)", and "which corresponds (4/5)×(31250/3)", so 10416.6666... Hz and 8.3333... ksymbol/s are correct values, where 6 and 3 are recurring decimal.

Change to 10416.6 Hz and to 8.3 ksymbol/s instead, i.e., using recurring decimal notation with number having bar above.

Based on the wikipedia page <https://en.wikipedia.org/wiki/Repeating_decimal> there are 5 different ways of representing recurring decimals, and the bar above is one used in United States while UK uses dots above numbers instead.

* + 1. Subclause numbers in figure
* Page 901 There are no subclause numbers in Figure 30-5. Delete this sentence? (x = 15%, y = 68%)

The original 4n document did not have them either. Remove the sentence.

* + 1. Members list
* Page 6 Please can you provide the list of IEEE 802.15.4 WG members as of the time that IEEE Std 802.15.4-2024 was sent to ballot? (x = 28%, y = 57%)

Somebody will provide list.

* 1. Additional editorials changes to be done
		1. Invalid line location in one of the figures from 4z
* In the section 16.7 there is Table 16-32 that used to be Table 58 in the final sponsor ballot revision of the 802.15.4z, and this table got broken during the editing before publication.
There is HPRF Set # 1-4 where the STS number of segments set to zero, and Description saying STS packet configuration 0: SHR, PHR and Data (i.e., no STS).
And then there are HPRF Sets # 5 which have STS number of segments two and has STS packet configuration 1: SHR, STS, PHR and Data (lower data rate).



* In the final version table is otherwise fine except the line in Description column is not between HPRF set # 4 and 5, but between 5 and 6, thus now HPRF set # 5 which do have number two in STS number of segments column, claims to be using STS packet configuration 0, which says it only has SHR, PHR and Data, no STS part.



So the fix is to move line marked in red to line marked green as shown below:



* 1. Responses to comments where nothing is to be done
* Page 580 The center frequencies for channel numbers 4 to 7 are the same as for channels 0 to 3. Is this correct? (x = 16%, y = 75%)

Yes. No change required. No idea why there is two channel numbers for same frequency, but I assume there is some reason...

* Page 222 Should this be "device 1"? (x = 35%, y = 15%)

No, there is only one device in Figure 10-26.

* Page 620 Should a sentence explaining the dagger symbol be added to the text of 12.3.7? (x = 41%, y = 60%)

No, the text is already in the 12.3.1 overview section. It does not need to be repeated in every subclause.

* Page 934 Where can this document be obtained? (x = 19%, y = 51%)

No idea. Just leave it as it is now.

* 1. Technical changes, not to be done now
		1. Repeated channels
* Page 580 This is now just a repeat of channels 0 to 10 above. (In 802.15.4-2020, they were distinguished by "channel page", which does not appear in his revision.) (x = 15%, y = 32%)

Just leave it now, technical change, we can remove repeating text later.

* + 1. Incorrect text in DSME Association Response command
* Page 239 Isn't this command the response from the coordinator to the requesting device? (x = 15%, y = 83%)

Yes, the paragraph is incorrect. It was already broken in IEEE Std 802.15.4e-2012.

Propose to leave as it is now, and fix later, as fixing it requires rewriting the whole paragraph and it will be technical change.

* + 1. Size of the matrix
* Page 638 Shouldn't this be 1 by N+1 (i.e., ones(0,31) is a 1 by 32 matrix)? (x = 49%, y = 32%)

Comment is correct, it should be 1 by N+1.
This is technical change.

* + 1. Error in the 4m NPAD calculation
* Page 877 This multiplication symbol seems to be spurious. Should it be deleted? (x = 29%, y = 34%)

No, we verified this from the 4m submissions, during the balloting processing the line got changes from

 NPAD = NDATA - 8 \* LRS + 6

to

 NPAD = NDATA - (\* LRS + 6)

The correct formula for this is:

 NPAD = NDATA - (8 × LRS + 6)

Changing this will be technical change, and combined with the 1.6.5 , and 1.6.6 those are so serious issues, that we will start making corrigendum to fix these.

* + 1. Duplicate figure and missing figure
* Page 405 This figure is the same as Figure 10-174 "RS-GFSK Device Capabilities IE Content field format". (This figure was the same as this in 802.15.4-2020.) Shouldn't it have the content as in Figure 7-101d in 802.15.4t-2017? (x = 16%, y = 51%)

Yes, the correct fix would be to update the figure from the 802.15.4t-2017, but this is technical change, cannot be done now.

* + 1. GTS Device Address List
* Page 398 There is no definition for "GTS Device Address List" in 7.3.1.5. (x = 18%, y = 65%)

It most likely means GTS List described in 7.3.1.5, but as there is no GTS Specification field in the IE, and that contains the GTS Descriptor Count, simply changing to use GTS List does not work.

This will need rewriting the that part of the IE description, thus will be technical change.